



BARGE "MPC 301"

ULLAGE TRIM TABLE

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

(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 00-3/8"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 3/8"

LENGTH BETWEEN DRAFT MARKS: 134'-00"

July 26, 2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "MPC 301"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

GAUGE HEIGHT 15'-10 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	157,943	0	146,657	0	135,316	0	123,961	0	112,557	0	101,153	0	89,749	0	78,339	0	78,339
1/4	1/4	1/4	157,709	1/4	146,421	1/4	135,080	1/4	123,724	1/4	112,320	1/4	100,916	1/4	89,512	1/4	78,102	1/4	78,102
1/2	1/2	1/2	157,475	1/2	146,185	1/2	134,843	1/2	123,486	1/2	112,082	1/2	100,678	1/2	89,274	1/2	77,864	1/2	77,864
3/4	3/4	3/4	157,241	3/4	145,949	3/4	134,607	3/4	123,249	3/4	111,845	3/4	100,440	3/4	89,069	3/4	77,626	3/4	77,626
1	1	1	157,007	1	145,712	1	134,371	1	123,011	1	111,607	1	100,203	1	88,799	1	77,388	1	77,388
1/4	1/4	1/4	156,773	1/4	145,476	1/4	134,135	1/4	122,773	1/4	111,369	1/4	99,965	1/4	88,561	1/4	77,151	1/4	77,151
1/2	1/2	1/2	156,538	1/2	145,240	1/2	133,888	1/2	122,536	1/2	111,132	1/2	99,728	1/2	88,324	1/2	76,913	1/2	76,913
3/4	3/4	3/4	156,304	3/4	145,003	3/4	133,652	3/4	122,298	3/4	110,894	3/4	99,490	3/4	88,086	3/4	76,675	3/4	76,675
2	2	2	156,070	2	144,767	2	133,426	2	122,061	2	110,657	2	99,253	2	87,848	2	76,437	2	76,437
1/4	1/4	1/4	155,835	1/4	144,531	1/4	133,189	1/4	121,823	1/4	110,419	1/4	99,015	1/4	87,610	1/4	76,200	1/4	76,200
1/2	1/2	1/2	155,601	1/2	144,295	1/2	132,953	1/2	121,586	1/2	110,181	1/2	98,777	1/2	87,373	1/2	75,962	1/2	75,962
3/4	3/4	3/4	155,366	3/4	144,058	3/4	132,717	3/4	121,348	3/4	109,944	3/4	98,540	3/4	87,135	3/4	75,724	3/4	75,724
3	3	3	155,132	3	143,822	3	132,481	3	121,110	3	109,706	3	98,302	3	86,897	3	75,487	3	75,487
1/4	1/4	1/4	154,897	1/4	143,586	1/4	132,244	1/4	120,873	1/4	109,469	1/4	98,065	1/4	86,660	1/4	75,249	1/4	75,249
1/2	1/2	1/2	154,663	1/2	143,350	1/2	132,008	1/2	120,635	1/2	109,231	1/2	97,827	1/2	86,422	1/2	75,011	1/2	75,011
3/4	3/4	3/4	154,428	3/4	143,113	3/4	131,772	3/4	120,398	3/4	108,994	3/4	97,589	3/4	86,184	3/4	74,773	3/4	74,773
4	4	4	154,194	4	142,877	4	131,535	4	120,160	4	108,756	4	97,352	4	85,946	4	74,536	4	74,536
1/4	1/4	1/4	153,959	1/4	142,641	1/4	131,299	1/4	119,922	1/4	108,518	1/4	97,114	1/4	85,709	1/4	74,298	1/4	74,298
1/2	1/2	1/2	153,725	1/2	142,404	1/2	131,063	1/2	119,685	1/2	108,281	1/2	96,877	1/2	85,471	1/2	74,060	1/2	74,060
3/4	3/4	3/4	153,490	3/4	142,168	3/4	130,827	3/4	119,447	3/4	108,043	3/4	96,639	3/4	85,233	3/4	73,823	3/4	73,823
5	5	5	153,256	5	141,932	5	130,590	5	119,210	5	107,806	5	96,401	5	84,995	5	73,585	5	73,585
1/4	1/4	1/4	153,021	1/4	141,696	1/4	130,354	1/4	118,972	1/4	107,568	1/4	96,164	1/4	84,758	1/4	73,347	1/4	73,347
1/2	1/2	1/2	152,787	1/2	141,459	1/2	130,118	1/2	118,735	1/2	107,330	1/2	95,926	1/2	84,520	1/2	73,109	1/2	73,109
3/4	3/4	3/4	152,552	3/4	141,223	3/4	129,881	3/4	118,497	3/4	107,093	3/4	95,689	3/4	84,282	3/4	72,872	3/4	72,872
6	6	6	152,318	6	140,987	6	129,645	6	118,259	6	106,855	6	95,451	6	84,045	6	72,634	6	72,634
1/4	1/4	1/4	152,083	1/4	140,750	1/4	129,409	1/4	118,022	1/4	106,618	1/4	95,214	1/4	83,807	1/4	72,396	1/4	72,396
1/2	1/2	1/2	151,849	1/2	140,514	1/2	129,173	1/2	117,784	1/2	106,380	1/2	94,976	1/2	83,569	1/2	72,158	1/2	72,158
3/4	3/4	3/4	151,614	3/4	140,278	3/4	128,936	3/4	117,547	3/4	106,142	3/4	94,738	3/4	83,331	3/4	71,921	3/4	71,921
7	7	7	151,380	7	140,042	7	128,700	7	117,309	7	105,905	7	94,501	7	83,094	7	71,683	7	71,683
1/4	1/4	1/4	151,145	1/4	139,805	1/4	128,464	1/4	117,071	1/4	105,667	1/4	94,263	1/4	82,856	1/4	71,445	1/4	71,445
1/2	1/2	1/2	150,909	1/2	139,569	1/2	128,228	1/2	116,834	1/2	105,430	1/2	94,026	1/2	82,618	1/2	71,208	1/2	71,208
3/4	3/4	3/4	150,673	3/4	139,333	3/4	127,991	3/4	116,596	3/4	105,192	3/4	93,788	3/4	82,381	3/4	70,970	3/4	70,970
8	8	8	150,438	8	139,096	8	127,755	8	116,359	8	104,955	8	93,550	8	82,143	8	70,732	8	70,732
1/4	1/4	1/4	150,202	1/4	138,860	1/4	127,519	1/4	116,121	1/4	104,717	1/4	93,313	1/4	81,905	1/4	70,494	1/4	70,494
1/2	1/2	1/2	149,965	1/2	138,624	1/2	127,282	1/2	115,884	1/2	104,479	1/2	93,075	1/2	81,667	1/2	70,257	1/2	70,257
3/4	3/4	3/4	149,729	3/4	138,388	3/4	127,046	3/4	115,646	3/4	104,242	3/4	92,838	3/4	81,430	3/4	70,019	3/4	70,019
9	9	9	149,493	9	138,151	9	126,810	9	115,408	9	104,004	9	92,600	9	81,192	9	69,781	9	69,781
1/4	1/4	1/4	149,257	1/4	137,915	1/4	126,574	1/4	115,171	1/4	103,767	1/4	92,363	1/4	80,954	1/4	69,544	1/4	69,544
1/2	1/2	1/2	149,020	1/2	137,679	1/2	126,336	1/2	114,933	1/2	103,529	1/2	92,125	1/2	80,716	1/2	69,306	1/2	69,306
3/4	3/4	3/4	148,784	3/4	137,442	3/4	126,099	3/4	114,696	3/4	103,291	3/4	91,887	3/4	80,479	3/4	69,068	3/4	69,068
10	10	10	148,548	10	137,206	10	125,862	10	114,458	10	103,054	10	91,650	10	80,241	10	68,830	10	68,830
1/4	1/4	1/4	148,311	1/4	136,970	1/4	125,625	1/4	114,220	1/4	102,816	1/4	91,412	1/4	80,003	1/4	68,593	1/4	68,593
1/2	1/2	1/2	148,075	1/2	136,734	1/2	125,387	1/2	113,983	1/2	102,579	1/2	91,175	1/2	79,766	1/2	68,355	1/2	68,355
3/4	3/4	3/4	147,839	3/4	136,497	3/4	125,149	3/4	113,745	3/4	102,341	3/4	90,937	3/4	79,528	3/4	68,117	3/4	68,117
11	11	11	147,603	11	136,261	11	124,912	11	113,508	11	102,104	11	90,699	11	79,290	11	67,879	11	67,879
1/4	1/4	1/4	147,366	1/4	136,025	1/4	124,677	1/4	113,270	1/4	101,866	1/4	90,462	1/4	79,052	1/4	67,642	1/4	67,642
1/2	1/2	1/2	147,130	1/2	135,789	1/2	124,437	1/2	113,032	1/2	101,628	1/2	90,224	1/2	78,815	1/2	67,404	1/2	67,404
3/4	3/4	3/4	146,894	3/4	135,552	3/4	124,199	3/4	112,795	3/4	101,391	3/4	89,987	3/4	78,577	3/4	67,166	3/4	67,166

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH NMPS 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 TOP THREADS OF "MMC" GAUGE POINT.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 30'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MPC 301"

1 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

GAUGE HEIGHT 15'-10 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	66,929	0	56,518	0	44,107	0	32,746	0	21,380	0	9,970	0		0					
1/4	66,691	1/4	56,280	1/4	43,870	1/4	32,510	1/4	21,143	1/4	9,733	1/4		1/4					
1/2	66,453	1/2	55,042	1/2	43,632	1/2	32,275	1/2	20,905	1/2	9,495	1/2		1/2					
3/4	66,215	3/4	54,805	3/4	43,394	3/4	32,039	3/4	20,667	3/4	9,257	3/4		3/4					
1	65,978	1	54,567	1	43,156	1	31,803	1	20,430	1	9,019	1		1					
1/4	65,740	1/4	54,329	1/4	42,919	1/4	31,568	1/4	20,192	1/4	8,782	1/4		1/4					
1/2	65,502	1/2	54,092	1/2	42,681	1/2	31,332	1/2	19,954	1/2	8,544	1/2		1/2					
3/4	65,265	3/4	53,854	3/4	42,443	3/4	31,097	3/4	19,716	3/4	8,306	3/4		3/4					
2	65,027	2	53,616	2	42,205	2	30,861	2	19,479	2	8,069	2		2					
1/4	64,789	1/4	53,378	1/4	41,968	1/4	30,626	1/4	19,241	1/4	7,831	1/4		1/4					
1/2	64,551	1/2	53,141	1/2	41,730	1/2	30,390	1/2	19,003	1/2	7,593	1/2		1/2					
3/4	64,314	3/4	52,903	3/4	41,492	3/4	30,154	3/4	18,766	3/4	7,355	3/4		3/4					
3	64,076	3	52,665	3	41,255	3	29,919	3	18,528	3	7,118	3		3					
1/4	63,838	1/4	52,428	1/4	41,017	1/4	29,683	1/4	18,290	1/4	6,880	1/4		1/4					
1/2	63,600	1/2	52,190	1/2	40,779	1/2	29,448	1/2	18,052	1/2	6,642	1/2		1/2					
3/4	63,363	3/4	51,952	3/4	40,541	3/4	29,212	3/4	17,815	3/4	6,405	3/4		3/4					
4	63,125	4	51,714	4	40,304	4	28,977	4	17,577	4	6,167	4		4					
1/4	62,887	1/4	51,477	1/4	40,066	1/4	28,741	1/4	17,339	1/4	5,930	1/4		1/4					
1/2	62,650	1/2	51,239	1/2	39,829	1/2	28,505	1/2	17,102	1/2	5,692	1/2		1/2					
3/4	62,412	3/4	51,001	3/4	39,592	3/4	28,268	3/4	16,864	3/4	5,455	3/4		3/4					
5	62,174	5	50,763	5	39,356	5	28,032	5	16,626	5	5,218	5		5					
1/4	61,936	1/4	50,526	1/4	39,119	1/4	27,795	1/4	16,388	1/4	4,980	1/4		1/4					
1/2	61,699	1/2	50,288	1/2	38,882	1/2	27,558	1/2	16,151	1/2	4,743	1/2		1/2					
3/4	61,461	3/4	50,050	3/4	38,646	3/4	27,321	3/4	15,913	3/4	4,506	3/4		3/4					
6	61,223	6	49,813	6	38,409	6	27,084	6	15,675	6	4,269	6		6					
1/4	60,986	1/4	49,575	1/4	38,173	1/4	26,847	1/4	15,438	1/4	4,033	1/4		1/4					
1/2	60,748	1/2	49,337	1/2	37,936	1/2	26,610	1/2	15,200	1/2	3,796	1/2		1/2					
3/4	60,510	3/4	49,099	3/4	37,700	3/4	26,372	3/4	14,962	3/4	3,560	3/4		3/4					
7	60,272	7	48,862	7	37,463	7	26,135	7	14,724	7	3,324	7		7					
1/4	60,035	1/4	48,624	1/4	37,227	1/4	25,897	1/4	14,487	1/4	3,088	1/4		1/4					
1/2	59,797	1/2	48,386	1/2	36,991	1/2	25,659	1/2	14,249	1/2	2,853	1/2		1/2					
3/4	59,559	3/4	48,148	3/4	36,754	3/4	25,422	3/4	14,011	3/4	2,617	3/4		3/4					
8	59,321	8	47,911	8	36,518	8	25,184	8	13,774	8	2,382	8		8					
1/4	59,084	1/4	47,673	1/4	36,281	1/4	24,946	1/4	13,536	1/4	2,147	1/4		1/4					
1/2	58,846	1/2	47,435	1/2	36,045	1/2	24,708	1/2	13,298	1/2	1,913	1/2		1/2					
3/4	58,608	3/4	47,198	3/4	35,809	3/4	24,471	3/4	13,060	3/4	1,718	3/4		3/4					
9	58,371	9	46,960	9	35,573	9	24,233	9	12,823	9	1,504	9		9					
1/4	58,133	1/4	46,722	1/4	35,337	1/4	23,995	1/4	12,585	1/4	1,289	1/4		1/4					
1/2	57,895	1/2	46,484	1/2	35,102	1/2	23,758	1/2	12,347	1/2	1,126	1/2		1/2					
3/4	57,657	3/4	46,247	3/4	34,866	3/4	23,520	3/4	12,110	3/4	962	3/4		3/4					
10	57,420	10	46,009	10	34,630	10	23,282	10	11,872	10	799	10		10					
1/4	57,182	1/4	45,771	1/4	34,395	1/4	23,044	1/4	11,634	1/4	636	1/4		1/4					
1/2	56,944	1/2	45,534	1/2	34,159	1/2	22,807	1/2	11,396	1/2		1/2		1/2					
3/4	56,707	3/4	45,296	3/4	33,924	3/4	22,569	3/4	11,159	3/4		3/4		3/4					
11	56,469	11	45,058	11	33,688	11	22,331	11	10,921	11		11		11					
1/4	56,231	1/4	44,820	1/4	33,452	1/4	22,094	1/4	10,683	1/4		1/4		1/4					
1/2	55,993	1/2	44,583	1/2	33,217	1/2	21,856	1/2	10,446	1/2		1/2		1/2					
3/4	55,756	3/4	44,345	3/4	32,981	3/4	21,618	3/4	10,208	3/4		3/4		3/4					

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.

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BARGE "MPC 301"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

GAUGE HEIGHT 15'-10"

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	66,766	0	55,356	0	43,945	0	32,541	0	21,143	0	9,733	0		0		0		0	
1/4	66,529	1/4	55,118	1/4	43,707	1/4	32,304	1/4	20,905	1/4	9,495	1/4		1/4		1/4		1/4	
1/2	66,291	1/2	54,880	1/2	43,470	1/2	32,067	1/2	20,667	1/2	9,257	1/2		1/2		1/2		1/2	
3/4	66,053	3/4	54,642	3/4	43,232	3/4	31,830	3/4	20,430	3/4	9,019	3/4		3/4		3/4		3/4	
1	65,815	1	54,405	1	42,994	1	31,592	1	20,192	1	8,782	1		1		1		1	
1/4	65,578	1/4	54,167	1/4	42,756	1/4	31,355	1/4	19,954	1/4	8,544	1/4		1/4		1/4		1/4	
1/2	65,340	1/2	53,929	1/2	42,519	1/2	31,118	1/2	19,716	1/2	8,306	1/2		1/2		1/2		1/2	
3/4	65,102	3/4	53,692	3/4	42,281	3/4	30,881	3/4	19,479	3/4	8,069	3/4		3/4		3/4		3/4	
2	64,864	2	53,454	2	42,043	2	30,643	2	19,241	2	7,831	2		2		2		2	
1/4	64,627	1/4	53,216	1/4	41,805	1/4	30,406	1/4	19,003	1/4	7,593	1/4		1/4		1/4		1/4	
1/2	64,389	1/2	52,978	1/2	41,568	1/2	30,169	1/2	18,766	1/2	7,355	1/2		1/2		1/2		1/2	
3/4	64,151	3/4	52,741	3/4	41,330	3/4	29,932	3/4	18,528	3/4	7,118	3/4		3/4		3/4		3/4	
3	63,914	3	52,503	3	41,092	3	29,695	3	18,290	3	6,880	3		3		3		3	
1/4	63,676	1/4	52,265	1/4	40,855	1/4	29,457	1/4	18,052	1/4	6,642	1/4		1/4		1/4		1/4	
1/2	63,438	1/2	52,028	1/2	40,617	1/2	29,220	1/2	17,815	1/2	6,405	1/2		1/2		1/2		1/2	
3/4	63,200	3/4	51,790	3/4	40,379	3/4	28,983	3/4	17,577	3/4	6,167	3/4		3/4		3/4		3/4	
4	62,963	4	51,552	4	40,141	4	28,746	4	17,339	4	5,930	4		4		4		4	
1/4	62,725	1/4	51,314	1/4	39,904	1/4	28,509	1/4	17,102	1/4	5,692	1/4		1/4		1/4		1/4	
1/2	62,487	1/2	51,077	1/2	39,666	1/2	28,271	1/2	16,864	1/2	5,455	1/2		1/2		1/2		1/2	
3/4	62,250	3/4	50,839	3/4	39,428	3/4	28,034	3/4	16,626	3/4	5,218	3/4		3/4		3/4		3/4	
5	62,012	5	50,601	5	39,191	5	27,797	5	16,388	5	4,980	5		5		5		5	
1/4	61,774	1/4	50,363	1/4	38,953	1/4	27,560	1/4	16,151	1/4	4,743	1/4		1/4		1/4		1/4	
1/2	61,536	1/2	50,126	1/2	38,715	1/2	27,322	1/2	15,913	1/2	4,506	1/2		1/2		1/2		1/2	
3/4	61,299	3/4	49,888	3/4	38,477	3/4	27,085	3/4	15,675	3/4	4,269	3/4		3/4		3/4		3/4	
6	61,061	6	49,650	6	38,240	6	26,848	6	15,438	6	4,033	6		6		6		6	
1/4	60,823	1/4	49,413	1/4	38,002	1/4	26,610	1/4	15,200	1/4	3,796	1/4		1/4		1/4		1/4	
1/2	60,585	1/2	49,175	1/2	37,764	1/2	26,372	1/2	14,962	1/2	3,560	1/2		1/2		1/2		1/2	
3/4	60,348	3/4	48,937	3/4	37,526	3/4	26,135	3/4	14,724	3/4	3,324	3/4		3/4		3/4		3/4	
7	60,110	7	48,699	7	37,289	7	25,897	7	14,487	7	3,088	7		7		7		7	
1/4	59,872	1/4	48,462	1/4	37,051	1/4	25,659	1/4	14,249	1/4	2,853	1/4		1/4		1/4		1/4	
1/2	59,635	1/2	48,224	1/2	36,813	1/2	25,422	1/2	14,011	1/2	2,617	1/2		1/2		1/2		1/2	
3/4	59,397	3/4	47,986	3/4	36,576	3/4	25,184	3/4	13,774	3/4	2,382	3/4		3/4		3/4		3/4	
8	59,159	8	47,749	8	36,338	8	24,946	8	13,536	8	2,147	8		8		8		8	
1/4	58,921	1/4	47,511	1/4	36,100	1/4	24,708	1/4	13,298	1/4	1,933	1/4		1/4		1/4		1/4	
1/2	58,684	1/2	47,273	1/2	35,863	1/2	24,471	1/2	13,060	1/2	1,718	1/2		1/2		1/2		1/2	
3/4	58,446	3/4	47,035	3/4	35,625	3/4	24,233	3/4	12,823	3/4	1,504	3/4		3/4		3/4		3/4	
9	58,208	9	46,798	9	35,388	9	23,995	9	12,585	9	1,289	9		9		9		9	
1/4	57,971	1/4	46,560	1/4	35,151	1/4	23,758	1/4	12,347	1/4	1,126	1/4		1/4		1/4		1/4	
1/2	57,733	1/2	46,322	1/2	34,913	1/2	23,520	1/2	12,110	1/2	962	1/2		1/2		1/2		1/2	
3/4	57,495	3/4	46,084	3/4	34,676	3/4	23,282	3/4	11,872	3/4	799	3/4		3/4		3/4		3/4	
10	57,257	10	45,847	10	34,439	10	23,044	10	11,634	10	636	10		10		10		10	
1/4	57,020	1/4	45,609	1/4	34,202	1/4	22,807	1/4	11,396	1/4		1/4		1/4		1/4		1/4	
1/2	56,782	1/2	45,371	1/2	33,964	1/2	22,569	1/2	11,159	1/2		1/2		1/2		1/2		1/2	
3/4	56,544	3/4	45,134	3/4	33,727	3/4	22,331	3/4	10,921	3/4		3/4		3/4		3/4		3/4	
11	56,306	11	44,896	11	33,490	11	22,094	11	10,683	11		11		11		11		11	
1/4	56,069	1/4	44,658	1/4	33,253	1/4	21,856	1/4	10,446	1/4		1/4		1/4		1/4		1/4	
1/2	55,831	1/2	44,420	1/2	33,016	1/2	21,618	1/2	10,208	1/2		1/2		1/2		1/2		1/2	
3/4	55,593	3/4	44,183	3/4	32,778	3/4	21,380	3/4	9,970	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW

CALCULATED: 04/03/2009 CL

REPRINTED: 07/26/2014 CL

CANCELS AND SUPERCEDES

ALL PRIOR TO 07/2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MPC 301"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS												FORMERLY "HFL 301"												GAUGE HEIGHT 15'-10"											
0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.																	
IN	0	IN	1	IN	2	IN	3	IN	4	IN	5	IN	6	IN	7	IN	8	IN	9																
0	0	0	141,855	0	141,855	0	141,855	0	141,855	0	141,855	0	141,855	0	141,855	0	141,855	0	141,855																
1/4	1/4	1/4	141,627	1/4	141,599	1/4	141,571	1/4	141,543	1/4	141,515	1/4	141,487	1/4	141,459	1/4	141,431	1/4	141,403																
1/2	1/2	1/2	141,398	1/2	141,369	1/2	141,341	1/2	141,313	1/2	141,285	1/2	141,257	1/2	141,229	1/2	141,201	1/2	141,173																
3/4	3/4	3/4	141,169	3/4	141,141	3/4	141,113	3/4	141,085	3/4	141,057	3/4	141,029	3/4	140,999	3/4	140,971	3/4	140,943																
1	1	1	140,941	1	140,913	1	140,885	1	140,857	1	140,829	1	140,801	1	140,773	1	140,745	1	140,717																
1/4	1/4	1/4	140,712	1/4	140,684	1/4	140,656	1/4	140,628	1/4	140,600	1/4	140,572	1/4	140,544	1/4	140,516	1/4	140,488																
1/2	1/2	1/2	140,483	1/2	140,455	1/2	140,427	1/2	140,399	1/2	140,371	1/2	140,343	1/2	140,315	1/2	140,287	1/2	140,259																
3/4	3/4	3/4	140,254	3/4	140,226	3/4	140,198	3/4	140,170	3/4	140,142	3/4	140,114	3/4	140,086	3/4	140,058	3/4	140,030																
2	2	2	140,025	2	139,997	2	139,969	2	139,941	2	139,913	2	139,885	2	139,857	2	139,829	2	139,801																
1/4	1/4	1/4	139,851	1/4	139,823	1/4	139,795	1/4	139,767	1/4	139,739	1/4	139,711	1/4	139,683	1/4	139,655	1/4	139,627																
1/2	1/2	1/2	139,676	1/2	139,648	1/2	139,620	1/2	139,592	1/2	139,564	1/2	139,536	1/2	139,508	1/2	139,480	1/2	139,452																
3/4	3/4	3/4	139,502	3/4	139,474	3/4	139,446	3/4	139,418	3/4	139,390	3/4	139,362	3/4	139,334	3/4	139,306	3/4	139,278																
3	3	3	139,327	3	139,299	3	139,271	3	139,243	3	139,215	3	139,187	3	139,159	3	139,131	3	139,103																
1/4	1/4	1/4	139,171	1/4	139,143	1/4	139,115	1/4	139,087	1/4	139,059	1/4	139,031	1/4	139,003	1/4	138,975	1/4	138,947																
1/2	1/2	1/2	139,015	1/2	138,987	1/2	138,959	1/2	138,931	1/2	138,903	1/2	138,875	1/2	138,847	1/2	138,819	1/2	138,791																
3/4	3/4	3/4	138,859	3/4	138,831	3/4	138,803	3/4	138,775	3/4	138,747	3/4	138,719	3/4	138,691	3/4	138,663	3/4	138,635																
4	4	4	138,702	4	138,674	4	138,646	4	138,618	4	138,590	4	138,562	4	138,534	4	138,506	4	138,478																
1/4	1/4	1/4	138,546	1/4	138,518	1/4	138,490	1/4	138,462	1/4	138,434	1/4	138,406	1/4	138,378	1/4	138,350	1/4	138,322																
1/2	1/2	1/2	138,390	1/2	138,362	1/2	138,334	1/2	138,306	1/2	138,278	1/2	138,250	1/2	138,222	1/2	138,194	1/2	138,166																
3/4	3/4	3/4	138,233	3/4	138,205	3/4	138,177	3/4	138,149	3/4	138,121	3/4	138,093	3/4	138,065	3/4	138,037	3/4	138,009																
5	5	5	138,077	5	138,049	5	138,021	5	137,993	5	137,965	5	137,937	5	137,909	5	137,881	5	137,853																
1/4	1/4	1/4	137,921	1/4	137,893	1/4	137,865	1/4	137,837	1/4	137,809	1/4	137,781	1/4	137,753	1/4	137,725	1/4	137,697																
1/2	1/2	1/2	137,764	1/2	137,736	1/2	137,708	1/2	137,680	1/2	137,652	1/2	137,624	1/2	137,596	1/2	137,568	1/2	137,540																
3/4	3/4	3/4	137,608	3/4	137,580	3/4	137,552	3/4	137,524	3/4	137,496	3/4	137,468	3/4	137,440	3/4	137,412	3/4	137,384																
6	6	6	137,452	6	137,424	6	137,396	6	137,368	6	137,340	6	137,312	6	137,284	6	137,256	6	137,228																
1/4	1/4	1/4	137,295	1/4	137,267	1/4	137,239	1/4	137,211	1/4	137,183	1/4	137,155	1/4	137,127	1/4	137,099	1/4	137,071																
1/2	1/2	1/2	137,139	1/2	137,111	1/2	137,083	1/2	137,055	1/2	137,027	1/2	136,999	1/2	136,971	1/2	136,943	1/2	136,915																
3/4	3/4	3/4	136,983	3/4	136,955	3/4	136,927	3/4	136,899	3/4	136,871	3/4	136,843	3/4	136,815	3/4	136,787	3/4	136,759																
7	7	7	136,826	7	136,798	7	136,770	7	136,742	7	136,714	7	136,686	7	136,658	7	136,630	7	136,602																
1/4	1/4	1/4	136,683	1/4	136,655	1/4	136,627	1/4	136,599	1/4	136,571	1/4	136,543	1/4	136,515	1/4	136,487	1/4	136,459																
1/2	1/2	1/2	136,512	1/2	136,484	1/2	136,456	1/2	136,428	1/2	136,400	1/2	136,372	1/2	136,344	1/2	136,316	1/2	136,288																
3/4	3/4	3/4	136,356	3/4	136,328	3/4	136,300	3/4	136,272	3/4	136,244	3/4	136,216	3/4	136,188	3/4	136,160	3/4	136,132																
8	8	8	136,360	8	136,332	8	136,304	8	136,276	8	136,248	8	136,220	8	136,192	8	136,164	8	136,136																
1/4	1/4	1/4	136,040	1/4	136,012	1/4	135,984	1/4	135,956	1/4	135,928	1/4	135,900	1/4	135,872	1/4	135,844	1/4	135,816																
1/2	1/2	1/2	135,882	1/2	135,854	1/2	135,826	1/2	135,798	1/2	135,770	1/2	135,742	1/2	135,714	1/2	135,686	1/2	135,658																
3/4	3/4	3/4	135,725	3/4	135,697	3/4	135,669	3/4	135,641	3/4	135,613	3/4	135,585	3/4	135,557	3/4	135,529	3/4	135,501																
9	9	9	135,567	9	135,539	9	135,511	9	135,483	9	135,455	9	135,427	9	135,399	9	135,371	9	135,343																
1/4	1/4	1/4	135,410	1/4	135,382	1/4	135,354	1/4	135,326	1/4	135,298	1/4	135,270	1/4	135,242	1/4	135,214	1/4	135,186																
1/2	1/2	1/2	135,252	1/2	135,224	1/2	135,196	1/2	135,168	1/2	135,140	1/2	135,112	1/2	135,084	1/2	135,056	1/2	135,028																
3/4	3/4	3/4	135,094	3/4	135,066	3/4	135,038	3/4	135,010	3/4	134,982	3/4	134,954	3/4	134,926	3/4	134,898	3/4	134,870																
10	10	10	134,937	10	134,909	10	134,881	10	134,853	10	134,825	10	134,797	10	134,769	10	134,741	10	134,713																
1/4	1/4	1/4	134,779	1/4	134,751	1/4	134,723	1/4	134,695	1/4	134,667	1/4	134,639	1/4	134,611	1/4	134,583	1/4	134,555																
1/2	1/2	1/2	134,622	1/2	134,594	1/2	134,566	1/2	134,538	1/2	134,510	1/2	134,482	1/2	134,454	1/2	134,426	1/2	134,398																
3/4	3/4	3/4	134,464	3/4	134,436	3/4	134,408	3/4	134,380	3/4	134,352	3/4	134,324	3/4	134,296	3/4	134,268	3/4	134,240																
11	11	11	134,307	11	134,279	11	134,251	11	134,223	11	134,195	11	134,167	11	134,139	11	134,111	11	134,083																
1/4	1/4	1/4	134,149	1/4	134,121	1/4	134,093	1/4	134,065	1/4	134,037	1/4	134,009	1/4	133,981	1/4	133,953	1/4	133,925																
1/2	1/2	1/2	133,991	1/2	133,963	1/2	133,935	1/2	133,907	1/2	133,879	1/2	133,851	1/2	133,823	1/2	133,795	1/2	133,767																
3/4	3/4	3/4	133,834	3/4	133,806	3/4	133,778	3/4	133,750	3/4	133,722	3/4	133,694	3/4	133,666	3/4	133,638	3/4	133,610																



BARGE "MPC 301"

2 PORT
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

GAUGE HEIGHT 15'-10"

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	66,949	0	55,466	0	44,005	0	32,607	0	21,364	0	9,842	0		0		0		0	
1/4	66,709	1/4	55,228	1/4	43,766	1/4	32,576	1/4	21,124	1/4	9,602	1/4		1/4		1/4		1/4	
1/2	66,469	1/2	54,990	1/2	43,526	1/2	32,346	1/2	20,884	1/2	9,362	1/2		1/2		1/2		1/2	
3/4	66,229	3/4	54,752	3/4	43,286	3/4	32,114	3/4	20,644	3/4	9,122	3/4		3/4		3/4		3/4	
1	65,990	1	54,514	1	43,046	1	31,883	1	20,404	1	8,882	1		1		1		1	
1/4	65,750	1/4	54,275	1/4	42,808	1/4	31,649	1/4	20,164	1/4	8,642	1/4		1/4		1/4		1/4	
1/2	65,510	1/2	54,037	1/2	42,570	1/2	31,415	1/2	19,924	1/2	8,402	1/2		1/2		1/2		1/2	
3/4	65,270	3/4	53,799	3/4	42,332	3/4	31,181	3/4	19,684	3/4	8,162	3/4		3/4		3/4		3/4	
2	65,030	2	53,561	2	42,094	2	30,947	2	19,444	2	7,921	2		2		2		2	
1/4	64,790	1/4	53,323	1/4	41,859	1/4	30,709	1/4	19,204	1/4	7,681	1/4		1/4		1/4		1/4	
1/2	64,550	1/2	53,085	1/2	41,623	1/2	30,471	1/2	18,964	1/2	7,440	1/2		1/2		1/2		1/2	
3/4	64,310	3/4	52,847	3/4	41,387	3/4	30,233	3/4	18,724	3/4	7,200	3/4		3/4		3/4		3/4	
3	64,070	3	52,609	3	41,152	3	29,995	3	18,484	3	6,960	3		3		3		3	
1/4	63,830	1/4	52,371	1/4	40,918	1/4	29,755	1/4	18,244	1/4	6,719	1/4		1/4		1/4		1/4	
1/2	63,590	1/2	52,132	1/2	40,684	1/2	29,516	1/2	18,004	1/2	6,479	1/2		1/2		1/2		1/2	
3/4	63,350	3/4	51,894	3/4	40,450	3/4	29,277	3/4	17,764	3/4	6,239	3/4		3/4		3/4		3/4	
4	63,110	4	51,656	4	40,216	4	29,038	4	17,524	4	5,998	4		4		4		4	
1/4	62,870	1/4	51,418	1/4	39,984	1/4	28,799	1/4	17,283	1/4	5,758	1/4		1/4		1/4		1/4	
1/2	62,630	1/2	51,180	1/2	39,752	1/2	28,560	1/2	17,043	1/2	5,519	1/2		1/2		1/2		1/2	
3/4	62,390	3/4	50,942	3/4	39,519	3/4	28,321	3/4	16,803	3/4	5,279	3/4		3/4		3/4		3/4	
5	62,150	5	50,704	5	39,287	5	28,081	5	16,563	5	5,039	5		5		5		5	
1/4	61,910	1/4	50,466	1/4	39,055	1/4	27,842	1/4	16,323	1/4	4,799	1/4		1/4		1/4		1/4	
1/2	61,670	1/2	50,228	1/2	38,823	1/2	27,603	1/2	16,083	1/2	4,559	1/2		1/2		1/2		1/2	
3/4	61,430	3/4	49,990	3/4	38,591	3/4	27,364	3/4	15,843	3/4	4,320	3/4		3/4		3/4		3/4	
6	61,190	6	49,751	6	38,360	6	27,124	6	15,603	6	4,080	6		6		6		6	
1/4	60,950	1/4	49,513	1/4	38,128	1/4	26,884	1/4	15,363	1/4	3,841	1/4		1/4		1/4		1/4	
1/2	60,710	1/2	49,275	1/2	37,896	1/2	26,645	1/2	15,123	1/2	3,602	1/2		1/2		1/2		1/2	
3/4	60,470	3/4	49,037	3/4	37,664	3/4	26,405	3/4	14,883	3/4	3,363	3/4		3/4		3/4		3/4	
7	60,230	7	48,799	7	37,432	7	26,165	7	14,643	7	3,124	7		7		7		7	
1/4	59,991	1/4	48,560	1/4	37,200	1/4	25,925	1/4	14,403	1/4	2,886	1/4		1/4		1/4		1/4	
1/2	59,753	1/2	48,320	1/2	36,968	1/2	25,685	1/2	14,163	1/2	2,648	1/2		1/2		1/2		1/2	
3/4	59,514	3/4	48,081	3/4	36,736	3/4	25,445	3/4	13,923	3/4	2,410	3/4		3/4		3/4		3/4	
8	59,276	8	47,842	8	36,504	8	25,205	8	13,683	8	2,173	8		8		8		8	
1/4	59,038	1/4	47,602	1/4	36,273	1/4	24,965	1/4	13,443	1/4	1,956	1/4		1/4		1/4		1/4	
1/2	58,799	1/2	47,362	1/2	36,042	1/2	24,725	1/2	13,203	1/2	1,738	1/2		1/2		1/2		1/2	
3/4	58,561	3/4	47,122	3/4	35,810	3/4	24,485	3/4	12,963	3/4	1,521	3/4		3/4		3/4		3/4	
9	58,323	9	46,883	9	35,579	9	24,245	9	12,723	9	1,304	9		9		9		9	
1/4	58,085	1/4	46,643	1/4	35,348	1/4	24,004	1/4	12,483	1/4	1,139	1/4		1/4		1/4		1/4	
1/2	57,847	1/2	46,403	1/2	35,117	1/2	23,764	1/2	12,243	1/2	974	1/2		1/2		1/2		1/2	
3/4	57,609	3/4	46,163	3/4	34,886	3/4	23,524	3/4	12,003	3/4	808	3/4		3/4		3/4		3/4	
10	57,371	10	45,923	10	34,655	10	23,284	10	11,763	10	643	10		10		10		10	
1/4	57,133	1/4	45,684	1/4	34,424	1/4	23,044	1/4	11,523	1/4		1/4		1/4		1/4		1/4	
1/2	56,895	1/2	45,444	1/2	34,193	1/2	22,804	1/2	11,283	1/2		1/2		1/2		1/2		1/2	
3/4	56,656	3/4	45,204	3/4	33,962	3/4	22,564	3/4	11,043	3/4		3/4		3/4		3/4		3/4	
11	56,418	11	44,964	11	33,731	11	22,324	11	10,803	11		11		11		11		11	
1/4	56,180	1/4	44,725	1/4	33,500	1/4	22,084	1/4	10,562	1/4		1/4		1/4		1/4		1/4	
1/2	55,942	1/2	44,485	1/2	33,269	1/2	21,844	1/2	10,322	1/2		1/2		1/2		1/2		1/2	
3/4	55,704	3/4	44,246	3/4	33,038	3/4	21,604	3/4	10,082	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 04/02/2009 CL - SW

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CANCELS AND SUPERCEDES

ALL PRIOR TO 07/2014

PRECISION MEASUREMENT

& ANALYSIS, INC.

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Pearland, Texas 77588

http://www.pma.com.net



BARGE "MPC 301"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

GAUGE HEIGHT 15'-10 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	142,843	0	134,594	0	127,031	0	119,438	0	111,397	0	102,375	0	90,860	0	79,336		
1/4	1/4	1/4	142,615	1/4	134,436	1/4	126,873	1/4	119,273	1/4	111,230	1/4	102,136	1/4	90,820	1/4	79,096		
1/2	1/2	1/2	142,386	1/2	134,279	1/2	126,716	1/2	119,105	1/2	111,063	1/2	101,886	1/2	90,380	1/2	78,855		
3/4	3/4	3/4	142,158	3/4	134,121	3/4	126,558	3/4	118,937	3/4	110,896	3/4	101,657	3/4	90,140	3/4	78,615		
1	1	1	141,929	1	133,963	1	126,400	1	118,770	1	110,730	1	101,417	1	89,900	1	78,376		
1/4	1/4	1/4	141,701	1/4	133,806	1/4	126,243	1/4	118,602	1/4	110,563	1/4	101,178	1/4	89,660	1/4	78,136		
1/2	1/2	1/2	141,472	1/2	133,648	1/2	126,085	1/2	118,434	1/2	110,396	1/2	100,938	1/2	89,420	1/2	77,895		
3/4	3/4	3/4	141,243	3/4	133,491	3/4	125,928	3/4	118,266	3/4	110,230	3/4	100,699	3/4	89,180	3/4	77,655		
2	2	2	141,014	2	133,333	2	125,770	2	118,099	2	110,063	2	100,459	2	88,940	2	77,415		
1/4	1/4	1/4	140,785	1/4	133,176	1/4	125,615	1/4	117,931	1/4	109,799	1/4	100,220	1/4	88,700	1/4	77,175		
1/2	1/2	1/2	140,511	1/2	133,018	1/2	125,455	1/2	117,763	1/2	109,629	1/2	99,980	1/2	88,460	1/2	76,935		
3/4	3/4	3/4	140,336	3/4	132,860	3/4	125,297	3/4	117,596	3/4	109,563	3/4	99,740	3/4	88,219	3/4	76,695		
3	3	3	140,262	3	132,703	3	125,140	3	117,428	3	109,396	3	99,500	3	87,979	3	76,454		
1/4	1/4	1/4	140,087	1/4	132,545	1/4	124,992	1/4	117,260	1/4	109,229	1/4	99,260	1/4	87,739	1/4	76,214		
1/2	1/2	1/2	139,931	1/2	132,388	1/2	124,835	1/2	117,093	1/2	109,062	1/2	99,020	1/2	87,499	1/2	75,974		
3/4	3/4	3/4	139,775	3/4	132,230	3/4	124,667	3/4	116,925	3/4	108,896	3/4	98,780	3/4	87,259	3/4	75,734		
4	4	4	139,618	4	132,073	4	124,510	4	116,757	4	108,729	4	98,540	4	87,019	4	75,494		
1/4	1/4	1/4	139,462	1/4	131,915	1/4	124,352	1/4	116,589	1/4	108,562	1/4	98,300	1/4	86,779	1/4	75,254		
1/2	1/2	1/2	139,306	1/2	131,758	1/2	124,195	1/2	116,422	1/2	108,396	1/2	98,060	1/2	86,539	1/2	75,013		
3/4	3/4	3/4	139,149	3/4	131,600	3/4	124,037	3/4	116,254	3/4	108,229	3/4	97,820	3/4	86,299	3/4	74,773		
5	5	5	138,993	5	131,442	5	123,879	5	116,086	5	108,062	5	97,580	5	86,059	5	74,533		
1/4	1/4	1/4	138,837	1/4	131,285	1/4	123,722	1/4	115,919	1/4	107,895	1/4	97,340	1/4	85,818	1/4	74,292		
1/2	1/2	1/2	138,680	1/2	131,127	1/2	123,564	1/2	115,751	1/2	107,729	1/2	97,100	1/2	85,578	1/2	74,052		
3/4	3/4	3/4	138,524	3/4	130,970	3/4	123,407	3/4	115,583	3/4	107,562	3/4	96,860	3/4	85,338	3/4	73,811		
6	6	6	138,368	6	130,812	6	123,249	6	115,416	6	107,395	6	96,620	6	85,098	6	73,571		
1/4	1/4	1/4	138,211	1/4	130,655	1/4	123,092	1/4	115,248	1/4	107,228	1/4	96,380	1/4	84,858	1/4	73,330		
1/2	1/2	1/2	138,055	1/2	130,497	1/2	122,934	1/2	115,080	1/2	107,062	1/2	96,140	1/2	84,618	1/2	73,090		
3/4	3/4	3/4	137,899	3/4	130,339	3/4	122,776	3/4	114,912	3/4	106,895	3/4	95,900	3/4	84,378	3/4	72,849		
7	7	7	137,742	7	130,182	7	122,619	7	114,745	7	106,728	7	95,660	7	84,138	7	72,608		
1/4	1/4	1/4	137,586	1/4	130,024	1/4	122,461	1/4	114,577	1/4	106,562	1/4	95,420	1/4	83,898	1/4	72,368		
1/2	1/2	1/2	137,429	1/2	129,867	1/2	122,304	1/2	114,409	1/2	106,395	1/2	95,180	1/2	83,657	1/2	72,127		
3/4	3/4	3/4	137,272	3/4	129,709	3/4	122,146	3/4	114,242	3/4	106,228	3/4	94,940	3/4	83,417	3/4	71,887		
8	8	8	137,114	8	129,552	8	121,989	8	114,074	8	106,061	8	94,700	8	83,177	8	71,646		
1/4	1/4	1/4	136,957	1/4	129,394	1/4	121,831	1/4	113,906	1/4	105,895	1/4	94,460	1/4	82,937	1/4	71,406		
1/2	1/2	1/2	136,800	1/2	129,237	1/2	121,673	1/2	113,739	1/2	105,673	1/2	94,220	1/2	82,697	1/2	71,165		
3/4	3/4	3/4	136,642	3/4	129,079	3/4	121,516	3/4	113,571	3/4	105,452	3/4	93,980	3/4	82,457	3/4	70,925		
9	9	9	136,484	9	128,921	9	121,358	9	113,403	9	105,231	9	93,740	9	82,217	9	70,684		
1/4	1/4	1/4	136,327	1/4	128,764	1/4	121,201	1/4	113,235	1/4	105,009	1/4	93,500	1/4	81,977	1/4	70,444		
1/2	1/2	1/2	136,169	1/2	128,606	1/2	121,043	1/2	113,068	1/2	104,770	1/2	93,260	1/2	81,737	1/2	70,203		
3/4	3/4	3/4	136,012	3/4	128,449	3/4	120,884	3/4	112,900	3/4	104,531	3/4	93,020	3/4	81,497	3/4	69,963		
10	10	10	135,854	10	128,291	10	120,726	10	112,732	10	104,291	10	92,780	10	81,256	10	69,722		
1/4	1/4	1/4	135,697	1/4	128,134	1/4	120,568	1/4	112,565	1/4	104,052	1/4	92,540	1/4	81,016	1/4	69,481		
1/2	1/2	1/2	135,539	1/2	127,976	1/2	120,409	1/2	112,398	1/2	103,812	1/2	92,300	1/2	80,776	1/2	69,241		
3/4	3/4	3/4	135,382	3/4	127,818	3/4	120,251	3/4	112,231	3/4	103,573	3/4	92,060	3/4	80,536	3/4	69,000		
11	11	11	135,224	11	127,661	11	120,093	11	112,064	11	103,333	11	91,820	11	80,296	11	68,760		
1/4	1/4	1/4	135,066	1/4	127,503	1/4	119,934	1/4	111,897	1/4	103,094	1/4	91,580	1/4	80,056	1/4	68,519		
1/2	1/2	1/2	134,909	1/2	127,346	1/2	119,789	1/2	111,730	1/2	102,854	1/2	91,340	1/2	79,816	1/2	68,279		
3/4	3/4	3/4	134,751	3/4	127,188	3/4	119,630	3/4	111,563	3/4	102,615	3/4	91,100	3/4	79,576	3/4	68,038		

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 TOP THREADS OF "MMC" GAUGE POINT.

GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 36'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT

& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "MPC 301"

2 STBD

ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

Gauge Height 15'-10 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		67,798	0	56,592	0	44,706	0	33,167	0	21,634	0	10,088	0							
1/4		67,557	1/4	56,011	1/4	44,466	1/4	32,927	1/4	21,393	1/4	9,848	1/4							
1/2		67,317	1/2	55,771	1/2	44,225	1/2	32,687	1/2	21,152	1/2	9,607	1/2							
3/4		67,076	3/4	55,530	3/4	43,984	3/4	32,447	3/4	20,912	3/4	9,367	3/4							
1		66,836	1	55,290	1	43,744	1	32,207	1	20,671	1	9,126	1							
1/4		66,595	1/4	55,049	1/4	43,503	1/4	31,966	1/4	20,431	1/4	8,886	1/4							
1/2		66,354	1/2	54,809	1/2	43,263	1/2	31,726	1/2	20,190	1/2	8,645	1/2							
3/4		66,114	3/4	54,568	3/4	43,022	3/4	31,486	3/4	19,950	3/4	8,404	3/4							
2		65,873	2	54,328	2	42,782	2	31,246	2	19,709	2	8,164	2							
1/4		65,633	1/4	54,087	1/4	42,541	1/4	31,006	1/4	19,459	1/4	7,923	1/4							
1/2		65,392	1/2	53,846	1/2	42,301	1/2	30,766	1/2	19,228	1/2	7,683	1/2							
3/4		65,152	3/4	53,606	3/4	42,060	3/4	30,526	3/4	18,988	3/4	7,442	3/4							
3		64,911	3	53,365	3	41,820	3	30,286	3	18,747	3	7,202	3							
1/4		64,671	1/4	53,125	1/4	41,579	1/4	30,046	1/4	18,507	1/4	6,961	1/4							
1/2		64,430	1/2	52,884	1/2	41,339	1/2	29,806	1/2	18,266	1/2	6,721	1/2							
3/4		64,190	3/4	52,644	3/4	41,098	3/4	29,566	3/4	18,026	3/4	6,481	3/4							
4		63,949	4	52,403	4	40,857	4	29,326	4	17,785	4	6,240	4							
1/4		63,709	1/4	52,163	1/4	40,617	1/4	29,086	1/4	17,545	1/4	6,000	1/4							
1/2		63,468	1/2	51,922	1/2	40,376	1/2	28,846	1/2	17,304	1/2	5,760	1/2							
3/4		63,227	3/4	51,682	3/4	40,136	3/4	28,606	3/4	17,064	3/4	5,519	3/4							
5		62,987	5	51,441	5	39,895	5	28,366	5	16,823	5	5,279	5							
1/4		62,746	1/4	51,201	1/4	39,655	1/4	28,126	1/4	16,582	1/4	5,039	1/4							
1/2		62,506	1/2	50,960	1/2	39,414	1/2	27,886	1/2	16,342	1/2	4,799	1/2							
3/4		62,265	3/4	50,720	3/4	39,174	3/4	27,646	3/4	16,101	3/4	4,560	3/4							
6		62,025	6	50,479	6	38,933	6	27,406	6	15,861	6	4,320	6							
1/4		61,784	1/4	50,238	1/4	38,693	1/4	27,165	1/4	15,620	1/4	4,080	1/4							
1/2		61,544	1/2	49,998	1/2	38,452	1/2	26,925	1/2	15,380	1/2	3,841	1/2							
3/4		61,303	3/4	49,757	3/4	38,212	3/4	26,684	3/4	15,139	3/4	3,602	3/4							
7		61,062	7	49,517	7	37,971	7	26,444	7	14,899	7	3,363	7							
1/4		60,822	1/4	49,276	1/4	37,730	1/4	26,204	1/4	14,658	1/4	3,124	1/4							
1/2		60,582	1/2	49,036	1/2	37,490	1/2	25,963	1/2	14,418	1/2	2,886	1/2							
3/4		60,341	3/4	48,795	3/4	37,249	3/4	25,723	3/4	14,177	3/4	2,648	3/4							
8		60,100	8	48,555	8	37,009	8	25,482	8	13,937	8	2,410	8							
1/4		59,860	1/4	48,314	1/4	36,768	1/4	25,241	1/4	13,696	1/4	2,173	1/4							
1/2		59,619	1/2	48,074	1/2	36,528	1/2	25,001	1/2	13,456	1/2	1,956	1/2							
3/4		59,379	3/4	47,833	3/4	36,288	3/4	24,760	3/4	13,215	3/4	1,738	3/4							
9		59,138	9	47,593	9	36,047	9	24,520	9	12,975	9	1,521	9							
1/4		58,898	1/4	47,352	1/4	35,807	1/4	24,279	1/4	12,734	1/4	1,304	1/4							
1/2		58,657	1/2	47,111	1/2	35,567	1/2	24,039	1/2	12,493	1/2	1,139	1/2							
3/4		58,417	3/4	46,871	3/4	35,327	3/4	23,798	3/4	12,253	3/4	974	3/4							
10		58,176	10	46,630	10	35,087	10	23,558	10	12,012	10	808	10							
1/4		57,936	1/4	46,390	1/4	34,847	1/4	23,317	1/4	11,772	1/4	643	1/4							
1/2		57,695	1/2	46,149	1/2	34,607	1/2	23,077	1/2	11,531	1/2		1/2							
3/4		57,455	3/4	45,909	3/4	34,367	3/4	22,836	3/4	11,291	3/4		3/4							
11		57,214	11	45,668	11	34,127	11	22,596	11	11,050	11		11							
1/4		56,973	1/4	45,428	1/4	33,887	1/4	22,355	1/4	10,810	1/4		1/4							
1/2		56,733	1/2	45,187	1/2	33,647	1/2	22,115	1/2	10,569	1/2		1/2							
3/4		56,492	3/4	44,947	3/4	33,407	3/4	21,874	3/4	10,329	3/4		3/4							

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

STRAPPED: 04/02/2009 CL - SW
CALCULATED: 04/03/2009 CL
REPRINTED: 07/26/2014 CL
CANCELS AND SUPERCEDES
ALL PRIOR TO 07/2014

**PRECISION MEASUREMENT
& ANALYSIS, INC.**

P.O. Box 2092
Pearland, Texas 77568
<http://www.pmacorp.net>

Ch. H. H.

BARGE "MPC 301"

SLOP TANK

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "HFL 301"

Gauge Height 4'-11 1/4"

[illegible]

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 TOP THREADS OF "MWC" GAUGE POINT.

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