



# BARGE "HSM 3001"

## 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	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
1 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
2 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8
2 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 PORT	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8
3 STBD	- 00-0/8	00-0/8	- 00-0/8	00-0/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 13, 2016

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "HSM 3001"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	200,172	0	185,171	0	170,154	0	155,108	0	140,062	0	125,017	0	109,971	0	94,920
1/4		1/4		1/4	199,860	1/4	184,858	1/4	169,840	1/4	154,795	1/4	139,749	1/4	124,703	1/4	109,658	1/4	94,607
1/2		1/2		1/2	199,548	1/2	184,546	1/2	169,527	1/2	154,481	1/2	139,436	1/2	124,390	1/2	109,344	1/2	94,293
3/4		3/4		3/4	199,235	3/4	184,233	3/4	169,213	3/4	154,168	3/4	139,122	3/4	124,077	3/4	109,031	3/4	93,979
1		1		1	198,922	1	183,921	1	168,900	1	153,854	1	138,809	1	123,763	1	108,717	1	93,666
1/4		1/4		1/4	198,610	1/4	183,608	1/4	168,586	1/4	153,541	1/4	138,495	1/4	123,450	1/4	108,404	1/4	93,352
1/2		1/2		1/2	198,297	1/2	183,296	1/2	168,273	1/2	153,227	1/2	138,182	1/2	123,136	1/2	108,091	1/2	93,039
3/4		3/4		3/4	197,985	3/4	182,983	3/4	167,960	3/4	152,914	3/4	137,868	3/4	122,823	3/4	107,777	3/4	92,725
2		2		2	197,672	2	182,671	2	167,646	2	152,600	2	137,555	2	122,509	2	107,463	2	92,411
1/4		1/4		1/4	211,309	1/4	197,360	1/4	182,358	1/4	167,333	1/4	152,287	1/4	137,241	1/4	122,196	1/4	107,150
1/2		1/2		1/2	211,129	1/2	197,047	1/2	182,046	1/2	167,019	1/2	151,974	1/2	136,928	1/2	121,882	1/2	106,836
3/4		3/4		3/4	210,949	3/4	196,735	3/4	181,733	3/4	166,706	3/4	151,660	3/4	136,615	3/4	121,569	3/4	106,523
3		3		3	210,769	3	196,422	3	181,420	3	166,392	3	151,347	3	136,301	3	121,255	3	106,209
1/4		1/4		1/4	210,590	1/4	196,110	1/4	181,108	1/4	166,079	1/4	151,033	1/4	135,988	1/4	120,942	1/4	105,896
1/2		1/2		1/2	210,357	1/2	195,797	1/2	180,795	1/2	165,765	1/2	150,720	1/2	135,674	1/2	120,629	1/2	105,582
3/4		3/4		3/4	210,125	3/4	195,485	3/4	180,483	3/4	165,452	3/4	150,406	3/4	135,361	3/4	120,315	3/4	105,268
4		4		4	209,893	4	195,172	4	180,170	4	165,138	4	150,093	4	135,047	4	120,002	4	104,955
1/4		1/4		1/4	209,661	1/4	194,860	1/4	179,858	1/4	164,825	1/4	149,779	1/4	134,734	1/4	119,688	1/4	104,641
1/2		1/2		1/2	209,380	1/2	194,547	1/2	179,545	1/2	164,512	1/2	149,466	1/2	134,420	1/2	119,375	1/2	104,328
3/4		3/4		3/4	209,100	3/4	194,234	3/4	179,233	3/4	164,198	3/4	149,153	3/4	134,107	3/4	119,061	3/4	104,014
5		5		5	208,819	5	193,922	5	178,920	5	163,885	5	148,839	5	133,793	5	118,748	5	103,701
1/4		1/4		1/4	208,539	1/4	193,609	1/4	178,608	1/4	163,571	1/4	148,526	1/4	133,480	1/4	118,434	1/4	103,387
1/2		1/2		1/2	208,232	1/2	193,297	1/2	178,295	1/2	163,258	1/2	148,212	1/2	133,167	1/2	118,121	1/2	103,073
3/4		3/4		3/4	207,926	3/4	192,984	3/4	177,983	3/4	162,944	3/4	147,899	3/4	132,853	3/4	117,808	3/4	102,760
6		6		6	207,620	6	192,672	6	177,670	6	162,631	6	147,585	6	132,540	6	117,494	6	102,446
1/4		1/4		1/4	207,313	1/4	192,359	1/4	177,358	1/4	162,317	1/4	147,272	1/4	132,226	1/4	117,181	1/4	102,133
1/2		1/2		1/2	207,003	1/2	192,047	1/2	177,045	1/2	162,004	1/2	146,958	1/2	131,913	1/2	116,867	1/2	101,819
3/4		3/4		3/4	206,693	3/4	191,734	3/4	176,732	3/4	161,691	3/4	146,645	3/4	131,599	3/4	116,554	3/4	101,505
7		7		7	206,383	7	191,422	7	176,420	7	161,377	7	146,331	7	131,286	7	116,240	7	101,192
1/4		1/4		1/4	206,073	1/4	191,109	1/4	176,107	1/4	161,064	1/4	146,018	1/4	130,972	1/4	115,927	1/4	100,878
1/2		1/2		1/2	205,763	1/2	190,797	1/2	175,794	1/2	160,750	1/2	145,705	1/2	130,659	1/2	115,613	1/2	100,565
3/4		3/4		3/4	205,452	3/4	190,484	3/4	175,481	3/4	160,437	3/4	145,391	3/4	130,346	3/4	115,300	3/4	100,251
8		8		8	205,142	8	190,171	8	175,168	8	160,123	8	145,078	8	130,032	8	114,986	8	99,937
1/4		1/4		1/4	204,831	1/4	189,859	1/4	174,855	1/4	159,810	1/4	144,764	1/4	129,719	1/4	114,673	1/4	99,624
1/2		1/2		1/2	204,521	1/2	189,546	1/2	174,542	1/2	159,496	1/2	144,451	1/2	129,405	1/2	114,360	1/2	99,310
3/4		3/4		3/4	204,210	3/4	189,234	3/4	174,229	3/4	159,183	3/4	144,137	3/4	129,092	3/4	114,046	3/4	98,997
9		9		9	203,900	9	188,921	9	173,915	9	158,869	9	143,824	9	128,778	9	113,733	9	98,683
1/4		1/4		1/4	203,589	1/4	188,609	1/4	173,602	1/4	158,556	1/4	143,510	1/4	128,465	1/4	113,419	1/4	98,370
1/2		1/2		1/2	203,279	1/2	188,296	1/2	173,288	1/2	158,243	1/2	143,197	1/2	128,151	1/2	113,106	1/2	98,056
3/4		3/4		3/4	202,968	3/4	187,984	3/4	172,975	3/4	157,929	3/4	142,884	3/4	127,838	3/4	112,792	3/4	97,742
10		10		10	202,658	10	187,671	10	172,661	10	157,616	10	142,570	10	127,524	10	112,479	10	97,429
1/4		1/4		1/4	202,347	1/4	187,359	1/4	172,348	1/4	157,302	1/4	142,257	1/4	127,211	1/4	112,165	1/4	97,115
1/2		1/2		1/2	202,037	1/2	187,046	1/2	172,034	1/2	156,989	1/2	141,943	1/2	126,898	1/2	111,852	1/2	96,802
3/4		3/4		3/4	201,727	3/4	186,734	3/4	171,721	3/4	156,675	3/4	141,630	3/4	126,584	3/4	111,539	3/4	96,488
11		11		11	201,416	11	186,421	11	171,407	11	156,362	11	141,316	11	126,271	11	111,225	11	96,174
1/4		1/4		1/4	201,106	1/4	186,109	1/4	171,094	1/4	156,048	1/4	141,003	1/4	125,957	1/4	110,912	1/4	95,861
1/2		1/2		1/2	200,794	1/2	185,796	1/2	170,781	1/2	155,735	1/2	140,689	1/2	125,644	1/2	110,598	1/2	95,547
3/4		3/4		3/4	200,483	3/4	185,483	3/4	170,467	3/4	155,422	3/4	140,376	3/4	125,330	3/4	110,285	3/4	95,234

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.  
GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
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# BARGE "HSM 3001"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	79,868	0	64,816	0	49,864	0	34,817	0	19,765	0	5,528	0		0		0		0	
1/4	79,554	1/4	64,503	1/4	49,552	1/4	34,503	1/4	19,452	1/4	5,253	1/4		1/4		1/4		1/4	
1/2	79,241	1/2	64,191	1/2	49,239	1/2	34,190	1/2	19,138	1/2	4,982	1/2		1/2		1/2		1/2	
3/4	78,927	3/4	63,878	3/4	48,926	3/4	33,876	3/4	18,825	3/4	4,711	3/4		3/4		3/4		3/4	
1	78,614	1	63,566	1	48,614	1	33,563	1	18,511	1	4,440	1		1		1		1	
1/4	78,300	1/4	63,254	1/4	48,301	1/4	33,249	1/4	18,197	1/4	4,169	1/4		1/4		1/4		1/4	
1/2	77,987	1/2	62,942	1/2	47,987	1/2	32,936	1/2	17,885	1/2	3,902	1/2		1/2		1/2		1/2	
3/4	77,673	3/4	62,631	3/4	47,674	3/4	32,622	3/4	17,572	3/4	3,635	3/4		3/4		3/4		3/4	
2	77,359	2	62,320	2	47,360	2	32,308	2	17,260	2	3,368	2		2		2		2	
1/4	77,046	1/4	62,008	1/4	47,046	1/4	31,995	1/4	16,947	1/4	3,101	1/4		1/4		1/4		1/4	
1/2	76,732	1/2	61,697	1/2	46,733	1/2	31,681	1/2	16,637	1/2	2,838	1/2		1/2		1/2		1/2	
3/4	76,419	3/4	61,386	3/4	46,419	3/4	31,368	3/4	16,328	3/4	2,576	3/4		3/4		3/4		3/4	
3	76,105	3	61,074	3	46,106	3	31,054	3	16,018	3	2,314	3		3		3		3	
1/4	75,791	1/4	60,763	1/4	45,792	1/4	30,740	1/4	15,708	1/4	2,051	1/4		1/4		1/4		1/4	
1/2	75,478	1/2	60,452	1/2	45,479	1/2	30,427	1/2	15,402	1/2	1,812	1/2		1/2		1/2		1/2	
3/4	75,164	3/4	60,141	3/4	45,165	3/4	30,113	3/4	15,096	3/4	1,573	3/4		3/4		3/4		3/4	
4	74,851	4	59,829	4	44,851	4	29,800	4	14,791	4	1,334	4		4		4		4	
1/4	74,537	1/4	59,518	1/4	44,538	1/4	29,486	1/4	14,485	1/4	1,095	1/4		1/4		1/4		1/4	
1/2	74,223	1/2	59,207	1/2	44,224	1/2	29,173	1/2	14,183	1/2	917	1/2		1/2		1/2		1/2	
3/4	73,910	3/4	58,896	3/4	43,911	3/4	28,859	3/4	13,881	3/4	740	3/4		3/4		3/4		3/4	
5	73,596	5	58,585	5	43,597	5	28,545	5	13,579	5	563	5		5		5		5	
1/4	73,283	1/4	58,273	1/4	43,284	1/4	28,232	1/4	13,277	1/4	386	1/4		1/4		1/4		1/4	
1/2	72,969	1/2	57,962	1/2	42,970	1/2	27,918	1/2	12,979	1/2		1/2		1/2		1/2		1/2	
3/4	72,656	3/4	57,651	3/4	42,656	3/4	27,605	3/4	12,680	3/4		3/4		3/4		3/4		3/4	
6	72,342	6	57,340	6	42,343	6	27,291	6	12,382	6		6		6		6		6	
1/4	72,028	1/4	57,029	1/4	42,029	1/4	26,978	1/4	12,084	1/4		1/4		1/4		1/4		1/4	
1/2	71,715	1/2	56,717	1/2	41,716	1/2	26,664	1/2	11,790	1/2		1/2		1/2		1/2		1/2	
3/4	71,401	3/4	56,406	3/4	41,402	3/4	26,350	3/4	11,496	3/4		3/4		3/4		3/4		3/4	
7	71,088	7	56,095	7	41,088	7	26,037	7	11,201	7		7		7		7		7	
1/4	70,774	1/4	55,784	1/4	40,775	1/4	25,723	1/4	10,907	1/4		1/4		1/4		1/4		1/4	
1/2	70,460	1/2	55,473	1/2	40,461	1/2	25,410	1/2	10,617	1/2		1/2		1/2		1/2		1/2	
3/4	70,147	3/4	55,161	3/4	40,148	3/4	25,096	3/4	10,326	3/4		3/4		3/4		3/4		3/4	
8	69,833	8	54,850	8	39,834	8	24,783	8	10,036	8		8		8		8		8	
1/4	69,520	1/4	54,539	1/4	39,521	1/4	24,469	1/4	9,745	1/4		1/4		1/4		1/4		1/4	
1/2	69,206	1/2	54,228	1/2	39,207	1/2	24,155	1/2	9,459	1/2		1/2		1/2		1/2		1/2	
3/4	68,893	3/4	53,916	3/4	38,893	3/4	23,842	3/4	9,172	3/4		3/4		3/4		3/4		3/4	
9	68,579	9	53,605	9	38,580	9	23,528	9	8,886	9		9		9		9		9	
1/4	68,265	1/4	53,294	1/4	38,266	1/4	23,215	1/4	8,599	1/4		1/4		1/4		1/4		1/4	
1/2	67,952	1/2	52,983	1/2	37,953	1/2	22,901	1/2	8,317	1/2		1/2		1/2		1/2		1/2	
3/4	67,638	3/4	52,671	3/4	37,639	3/4	22,587	3/4	8,034	3/4		3/4		3/4		3/4		3/4	
10	67,325	10	52,360	10	37,326	10	22,274	10	7,751	10		10		10		10		10	
1/4	67,011	1/4	52,048	1/4	37,012	1/4	21,960	1/4	7,468	1/4		1/4		1/4		1/4		1/4	
1/2	66,697	1/2	51,736	1/2	36,698	1/2	21,647	1/2	7,190	1/2		1/2		1/2		1/2		1/2	
3/4	66,384	3/4	51,424	3/4	36,385	3/4	21,333	3/4	6,911	3/4		3/4		3/4		3/4		3/4	
11	66,070	11	51,113	11	36,071	11	21,020	11	6,632	11		11		11		11		11	
1/4	65,757	1/4	50,801	1/4	35,758	1/4	20,706	1/4	6,353	1/4		1/4		1/4		1/4		1/4	
1/2	65,443	1/2	50,489	1/2	35,444	1/2	20,392	1/2	6,078	1/2		1/2		1/2		1/2		1/2	
3/4	65,130	3/4	50,176	3/4	35,131	3/4	20,079	3/4	5,803	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

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





# BARGE "HSM 3001"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	79,651	0	64,599	0	49,555	0	34,503	0	19,452	0	5,254	0		0		0		0	
1/4	79,337	1/4	64,286	1/4	49,241	1/4	34,190	1/4	19,138	1/4	4,983	1/4		1/4		1/4		1/4	
1/2	79,024	1/2	63,972	1/2	48,928	1/2	33,876	1/2	18,825	1/2	4,712	1/2		1/2		1/2		1/2	
3/4	78,710	3/4	63,658	3/4	48,614	3/4	33,563	3/4	18,511	3/4	4,441	3/4		3/4		3/4		3/4	
1	78,397	1	63,345	1	48,300	1	33,249	1	18,198	1	4,169	1		1		1		1	
1/4	78,083	1/4	63,031	1/4	47,987	1/4	32,936	1/4	17,885	1/4	3,902	1/4		1/4		1/4		1/4	
1/2	77,769	1/2	62,718	1/2	47,673	1/2	32,622	1/2	17,573	1/2	3,635	1/2		1/2		1/2		1/2	
3/4	77,456	3/4	62,404	3/4	47,360	3/4	32,308	3/4	17,260	3/4	3,368	3/4		3/4		3/4		3/4	
2	77,142	2	62,091	2	47,046	2	31,995	2	16,947	2	3,101	2		2		2		2	
1/4	76,829	1/4	61,777	1/4	46,733	1/4	31,681	1/4	16,638	1/4	2,839	1/4		1/4		1/4		1/4	
1/2	76,515	1/2	61,464	1/2	46,419	1/2	31,368	1/2	16,328	1/2	2,577	1/2		1/2		1/2		1/2	
3/4	76,202	3/4	61,150	3/4	46,105	3/4	31,054	3/4	16,018	3/4	2,314	3/4		3/4		3/4		3/4	
3	75,888	3	60,837	3	45,792	3	30,741	3	15,709	3	2,052	3		3		3		3	
1/4	75,574	1/4	60,524	1/4	45,478	1/4	30,427	1/4	15,403	1/4	1,813	1/4		1/4		1/4		1/4	
1/2	75,261	1/2	60,210	1/2	45,165	1/2	30,113	1/2	15,097	1/2	1,574	1/2		1/2		1/2		1/2	
3/4	74,947	3/4	59,897	3/4	44,851	3/4	29,800	3/4	14,791	3/4	1,334	3/4		3/4		3/4		3/4	
4	74,634	4	59,584	4	44,538	4	29,486	4	14,485	4	1,095	4		4		4		4	
1/4	74,320	1/4	59,270	1/4	44,224	1/4	29,173	1/4	14,183	1/4	918	1/4		1/4		1/4		1/4	
1/2	74,006	1/2	58,957	1/2	43,910	1/2	28,859	1/2	13,881	1/2	741	1/2		1/2		1/2		1/2	
3/4	73,693	3/4	58,644	3/4	43,597	3/4	28,546	3/4	13,579	3/4	564	3/4		3/4		3/4		3/4	
5	73,379	5	58,330	5	43,283	5	28,232	5	13,277	5	386	5		5		5		5	
1/4	73,066	1/4	58,017	1/4	42,970	1/4	27,918	1/4	12,979	1/4		1/4		1/4		1/4		1/4	
1/2	72,752	1/2	57,704	1/2	42,656	1/2	27,605	1/2	12,681	1/2		1/2		1/2		1/2		1/2	
3/4	72,439	3/4	57,390	3/4	42,343	3/4	27,291	3/4	12,383	3/4		3/4		3/4		3/4		3/4	
6	72,125	6	57,077	6	42,029	6	26,978	6	12,085	6		6		6		6		6	
1/4	71,811	1/4	56,764	1/4	41,715	1/4	26,664	1/4	11,790	1/4		1/4		1/4		1/4		1/4	
1/2	71,498	1/2	56,450	1/2	41,402	1/2	26,351	1/2	11,496	1/2		1/2		1/2		1/2		1/2	
3/4	71,184	3/4	56,137	3/4	41,088	3/4	26,037	3/4	11,202	3/4		3/4		3/4		3/4		3/4	
7	70,871	7	55,823	7	40,775	7	25,723	7	10,908	7		7		7		7		7	
1/4	70,557	1/4	55,510	1/4	40,461	1/4	25,410	1/4	10,617	1/4		1/4		1/4		1/4		1/4	
1/2	70,244	1/2	55,197	1/2	40,148	1/2	25,096	1/2	10,327	1/2		1/2		1/2		1/2		1/2	
3/4	69,930	3/4	54,883	3/4	39,834	3/4	24,783	3/4	10,036	3/4		3/4		3/4		3/4		3/4	
8	69,616	8	54,570	8	39,521	8	24,469	8	9,746	8		8		8		8		8	
1/4	69,303	1/4	54,257	1/4	39,207	1/4	24,156	1/4	9,459	1/4		1/4		1/4		1/4		1/4	
1/2	68,989	1/2	53,943	1/2	38,893	1/2	23,842	1/2	9,173	1/2		1/2		1/2		1/2		1/2	
3/4	68,676	3/4	53,630	3/4	38,580	3/4	23,528	3/4	8,886	3/4		3/4		3/4		3/4		3/4	
9	68,362	9	53,317	9	38,266	9	23,215	9	8,600	9		9		9		9		9	
1/4	68,048	1/4	53,003	1/4	37,953	1/4	22,901	1/4	8,317	1/4		1/4		1/4		1/4		1/4	
1/2	67,735	1/2	52,690	1/2	37,639	1/2	22,588	1/2	8,034	1/2		1/2		1/2		1/2		1/2	
3/4	67,421	3/4	52,376	3/4	37,326	3/4	22,274	3/4	7,752	3/4		3/4		3/4		3/4		3/4	
10	67,108	10	52,063	10	37,012	10	21,961	10	7,469	10		10		10		10		10	
1/4	66,794	1/4	51,750	1/4	36,698	1/4	21,647	1/4	7,190	1/4		1/4		1/4		1/4		1/4	
1/2	66,481	1/2	51,436	1/2	36,385	1/2	21,333	1/2	6,911	1/2		1/2		1/2		1/2		1/2	
3/4	66,167	3/4	51,123	3/4	36,071	3/4	21,020	3/4	6,633	3/4		3/4		3/4		3/4		3/4	
11	65,853	11	50,809	11	35,758	11	20,706	11	6,354	11		11		11		11		11	
1/4	65,540	1/4	50,495	1/4	35,444	1/4	20,393	1/4	6,079	1/4		1/4		1/4		1/4		1/4	
1/2	65,226	1/2	50,182	1/2	35,131	1/2	20,079	1/2	5,804	1/2		1/2		1/2		1/2		1/2	
3/4	64,913	3/4	49,868	3/4	34,817	3/4	19,766	3/4	5,529	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
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# BARGE "HSM 3001"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	202,065	0	187,038	0	171,991	0	156,912	0	141,832	0	126,752	0	111,672	0	96,586
1/4		1/4		1/4	201,754	1/4	186,725	1/4	171,677	1/4	156,597	1/4	141,518	1/4	126,438	1/4	111,358	1/4	96,272
1/2		1/2		1/2	201,441	1/2	186,412	1/2	171,363	1/2	156,283	1/2	141,203	1/2	126,124	1/2	111,044	1/2	95,957
3/4		3/4		3/4	201,127	3/4	186,099	3/4	171,049	3/4	155,969	3/4	140,889	3/4	125,810	3/4	110,730	3/4	95,643
1		1		1	200,814	1	185,786	1	170,735	1	155,655	1	140,575	1	125,495	1	110,416	1	95,329
1/4		1/4		1/4	200,501	1/4	185,473	1/4	170,421	1/4	155,341	1/4	140,261	1/4	125,181	1/4	110,101	1/4	95,014
1/2		1/2		1/2	200,188	1/2	185,160	1/2	170,106	1/2	155,027	1/2	139,947	1/2	124,867	1/2	109,787	1/2	94,700
3/4		3/4		3/4	199,875	3/4	184,846	3/4	169,792	3/4	154,712	3/4	139,633	3/4	124,553	3/4	109,473	3/4	94,386
2		2		2	199,562	2	184,533	2	169,478	2	154,398	2	139,318	2	124,239	2	109,159	2	94,071
1/4		1/4		1/4	213,187	1/4	199,249	1/4	184,220	1/4	169,164	1/4	154,084	1/4	139,004	1/4	123,925	1/4	108,844
1/2		1/2		1/2	213,008	1/2	198,936	1/2	183,907	1/2	168,850	1/2	153,770	1/2	138,690	1/2	123,610	1/2	108,530
3/4		3/4		3/4	212,829	3/4	198,623	3/4	183,594	3/4	168,536	3/4	153,456	3/4	138,376	3/4	123,296	3/4	108,216
3		3		3	212,649	3	198,310	3	183,281	3	168,221	3	153,142	3	138,062	3	122,982	3	107,901
1/4		1/4		1/4	212,470	1/4	197,996	1/4	182,968	1/4	167,907	1/4	152,827	1/4	137,748	1/4	122,668	1/4	107,587
1/2		1/2		1/2	212,239	1/2	197,683	1/2	182,655	1/2	167,593	1/2	152,513	1/2	137,434	1/2	122,354	1/2	107,273
3/4		3/4		3/4	212,007	3/4	197,370	3/4	182,342	3/4	167,279	3/4	152,199	3/4	137,119	3/4	122,040	3/4	106,959
4		4		4	211,776	4	197,057	4	182,029	4	166,965	4	151,885	4	136,805	4	121,725	4	106,644
1/4		1/4		1/4	211,544	1/4	196,744	1/4	181,715	1/4	166,651	1/4	151,571	1/4	136,491	1/4	121,411	1/4	106,330
1/2		1/2		1/2	211,264	1/2	196,431	1/2	181,402	1/2	166,336	1/2	151,257	1/2	136,177	1/2	121,097	1/2	106,016
3/4		3/4		3/4	210,984	3/4	196,118	3/4	181,089	3/4	166,022	3/4	150,943	3/4	135,863	3/4	120,783	3/4	105,701
5		5		5	210,703	5	195,805	5	180,776	5	165,708	5	150,628	5	135,549	5	120,469	5	105,387
1/4		1/4		1/4	210,423	1/4	195,492	1/4	180,463	1/4	165,394	1/4	150,314	1/4	135,234	1/4	120,155	1/4	105,073
1/2		1/2		1/2	210,117	1/2	195,179	1/2	180,150	1/2	165,080	1/2	150,000	1/2	134,920	1/2	119,840	1/2	104,758
3/4		3/4		3/4	209,811	3/4	194,866	3/4	179,837	3/4	164,766	3/4	149,686	3/4	134,606	3/4	119,526	3/4	104,444
6		6		6	209,505	6	194,552	6	179,524	6	164,451	6	149,372	6	134,292	6	119,212	6	104,130
1/4		1/4		1/4	209,200	1/4	194,239	1/4	179,211	1/4	164,137	1/4	149,058	1/4	133,978	1/4	118,898	1/4	103,815
1/2		1/2		1/2	208,890	1/2	193,926	1/2	178,898	1/2	163,823	1/2	148,743	1/2	133,664	1/2	118,584	1/2	103,501
3/4		3/4		3/4	208,580	3/4	193,613	3/4	178,585	3/4	163,509	3/4	148,429	3/4	133,349	3/4	118,270	3/4	103,187
7		7		7	208,271	7	193,300	7	178,271	7	163,195	7	148,115	7	133,035	7	117,955	7	102,872
1/4		1/4		1/4	207,961	1/4	192,987	1/4	177,958	1/4	162,881	1/4	147,801	1/4	132,721	1/4	117,641	1/4	102,558
1/2		1/2		1/2	207,651	1/2	192,674	1/2	177,645	1/2	162,567	1/2	147,487	1/2	132,407	1/2	117,327	1/2	102,244
3/4		3/4		3/4	207,341	3/4	192,361	3/4	177,331	3/4	162,252	3/4	147,173	3/4	132,093	3/4	117,013	3/4	101,929
8		8		8	207,031	8	192,048	8	177,017	8	161,938	8	146,858	8	131,779	8	116,699	8	101,615
1/4		1/4		1/4	206,721	1/4	191,735	1/4	176,704	1/4	161,624	1/4	146,544	1/4	131,464	1/4	116,385	1/4	101,301
1/2		1/2		1/2	206,411	1/2	191,421	1/2	176,390	1/2	161,310	1/2	146,230	1/2	131,150	1/2	116,070	1/2	100,986
3/4		3/4		3/4	206,100	3/4	191,108	3/4	176,076	3/4	160,996	3/4	145,916	3/4	130,836	3/4	115,756	3/4	100,672
9		9		9	205,790	9	190,795	9	175,761	9	160,682	9	145,602	9	130,522	9	115,442	9	100,358
1/4		1/4		1/4	205,480	1/4	190,482	1/4	175,447	1/4	160,367	1/4	145,288	1/4	130,208	1/4	115,128	1/4	100,043
1/2		1/2		1/2	205,170	1/2	190,169	1/2	175,133	1/2	160,053	1/2	144,973	1/2	129,894	1/2	114,814	1/2	99,729
3/4		3/4		3/4	204,860	3/4	189,856	3/4	174,819	3/4	159,739	3/4	144,659	3/4	129,579	3/4	114,500	3/4	99,415
10		10		10	204,550	10	189,543	10	174,505	10	159,425	10	144,345	10	129,265	10	114,186	10	99,101
1/4		1/4		1/4	204,240	1/4	189,230	1/4	174,191	1/4	159,111	1/4	144,031	1/4	128,951	1/4	113,871	1/4	98,786
1/2		1/2		1/2	203,930	1/2	188,917	1/2	173,876	1/2	158,797	1/2	143,717	1/2	128,637	1/2	113,557	1/2	98,472
3/4		3/4		3/4	203,620	3/4	188,604	3/4	173,562	3/4	158,482	3/4	143,403	3/4	128,323	3/4	113,243	3/4	98,158
11		11		11	203,310	11	188,291	11	173,248	11	158,168	11	143,088	11	128,009	11	112,929	11	97,843
1/4		1/4		1/4	203,000	1/4	187,977	1/4	172,934	1/4	157,854	1/4	142,774	1/4	127,694	1/4	112,615	1/4	97,529
1/2		1/2		1/2	202,688	1/2	187,664	1/2	172,620	1/2	157,540	1/2	142,460	1/2	127,380	1/2	112,301	1/2	97,215
3/4		3/4		3/4	202,377	3/4	187,351	3/4	172,306	3/4	157,226	3/4	142,146	3/4	127,066	3/4	111,986	3/4	96,900

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF THREADS ON "MMC" VALVE.  
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-09" FORWARD OF AFT BULKHEAD.

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



# BARGE "HSM 3001"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	81,499	0	66,411	0	51,854	0	37,368	0	22,319	0	7,232	0		0		0		0	
1/4	81,184	1/4	66,097	1/4	51,552	1/4	37,066	1/4	22,005	1/4	6,918	1/4		1/4		1/4		1/4	
1/2	80,870	1/2	65,788	1/2	51,249	1/2	36,757	1/2	21,690	1/2	6,603	1/2		1/2		1/2		1/2	
3/4	80,556	3/4	65,480	3/4	50,947	3/4	36,449	3/4	21,376	3/4	6,289	3/4		3/4		3/4		3/4	
1	80,241	1	65,172	1	50,645	1	36,140	1	21,062	1	5,975	1		1		1		1	
1/4	79,927	1/4	64,863	1/4	50,343	1/4	35,832	1/4	20,747	1/4	5,660	1/4		1/4		1/4		1/4	
1/2	79,613	1/2	64,561	1/2	50,041	1/2	35,518	1/2	20,433	1/2	5,346	1/2		1/2		1/2		1/2	
3/4	79,298	3/4	64,258	3/4	49,739	3/4	35,203	3/4	20,119	3/4	5,032	3/4		3/4		3/4		3/4	
2	78,984	2	63,956	2	49,437	2	34,889	2	19,804	2	4,718	2		2		2		2	
1/4	78,670	1/4	63,653	1/4	49,136	1/4	34,575	1/4	19,490	1/4	4,404	1/4		1/4		1/4		1/4	
1/2	78,355	1/2	63,350	1/2	48,834	1/2	34,260	1/2	19,176	1/2	4,091	1/2		1/2		1/2		1/2	
3/4	78,041	3/4	63,048	3/4	48,532	3/4	33,946	3/4	18,861	3/4	3,778	3/4		3/4		3/4		3/4	
3	77,727	3	62,745	3	48,230	3	33,632	3	18,547	3	3,464	3		3		3		3	
1/4	77,412	1/4	62,443	1/4	47,929	1/4	33,317	1/4	18,233	1/4	3,151	1/4		1/4		1/4		1/4	
1/2	77,098	1/2	62,140	1/2	47,627	1/2	33,003	1/2	17,918	1/2	2,857	1/2		1/2		1/2		1/2	
3/4	76,784	3/4	61,838	3/4	47,325	3/4	32,689	3/4	17,604	3/4	2,563	3/4		3/4		3/4		3/4	
4	76,469	4	61,535	4	47,024	4	32,374	4	17,290	4	2,269	4		4		4		4	
1/4	76,155	1/4	61,233	1/4	46,722	1/4	32,060	1/4	16,976	1/4	1,975	1/4		1/4		1/4		1/4	
1/2	75,841	1/2	60,930	1/2	46,421	1/2	31,746	1/2	16,661	1/2	1,740	1/2		1/2		1/2		1/2	
3/4	75,526	3/4	60,628	3/4	46,119	3/4	31,432	3/4	16,347	3/4	1,504	3/4		3/4		3/4		3/4	
5	75,212	5	60,325	5	45,817	5	31,117	5	16,033	5	1,268	5		5		5		5	
1/4	74,898	1/4	60,023	1/4	45,516	1/4	30,803	1/4	15,718	1/4	1,033	1/4		1/4		1/4		1/4	
1/2	74,584	1/2	59,720	1/2	45,214	1/2	30,489	1/2	15,404	1/2		1/2		1/2		1/2		1/2	
3/4	74,269	3/4	59,418	3/4	44,913	3/4	30,174	3/4	15,090	3/4		3/4		3/4		3/4		3/4	
6	73,955	6	59,115	6	44,611	6	29,860	6	14,775	6		6		6		6		6	
1/4	73,641	1/4	58,812	1/4	44,309	1/4	29,546	1/4	14,461	1/4		1/4		1/4		1/4		1/4	
1/2	73,326	1/2	58,510	1/2	44,008	1/2	29,232	1/2	14,147	1/2		1/2		1/2		1/2		1/2	
3/4	73,012	3/4	58,207	3/4	43,706	3/4	28,918	3/4	13,832	3/4		3/4		3/4		3/4		3/4	
7	72,698	7	57,905	7	43,405	7	28,604	7	13,518	7		7		7		7		7	
1/4	72,383	1/4	57,602	1/4	43,103	1/4	28,290	1/4	13,204	1/4		1/4		1/4		1/4		1/4	
1/2	72,069	1/2	57,300	1/2	42,802	1/2	27,975	1/2	12,890	1/2		1/2		1/2		1/2		1/2	
3/4	71,755	3/4	56,997	3/4	42,500	3/4	27,661	3/4	12,575	3/4		3/4		3/4		3/4		3/4	
8	71,440	8	56,695	8	42,198	8	27,347	8	12,261	8		8		8		8		8	
1/4	71,126	1/4	56,392	1/4	41,897	1/4	27,033	1/4	11,947	1/4		1/4		1/4		1/4		1/4	
1/2	70,812	1/2	56,090	1/2	41,595	1/2	26,719	1/2	11,632	1/2		1/2		1/2		1/2		1/2	
3/4	70,497	3/4	55,787	3/4	41,294	3/4	26,405	3/4	11,318	3/4		3/4		3/4		3/4		3/4	
9	70,183	9	55,485	9	40,992	9	26,090	9	11,004	9		9		9		9		9	
1/4	69,869	1/4	55,182	1/4	40,690	1/4	25,776	1/4	10,689	1/4		1/4		1/4		1/4		1/4	
1/2	69,554	1/2	54,879	1/2	40,389	1/2	25,462	1/2	10,375	1/2		1/2		1/2		1/2		1/2	
3/4	69,240	3/4	54,577	3/4	40,087	3/4	25,148	3/4	10,061	3/4		3/4		3/4		3/4		3/4	
10	68,926	10	54,274	10	39,786	10	24,833	10	9,746	10		10		10		10		10	
1/4	68,611	1/4	53,972	1/4	39,484	1/4	24,519	1/4	9,432	1/4		1/4		1/4		1/4		1/4	
1/2	68,297	1/2	53,669	1/2	39,182	1/2	24,205	1/2	9,118	1/2		1/2		1/2		1/2		1/2	
3/4	67,983	3/4	53,367	3/4	38,880	3/4	23,890	3/4	8,803	3/4		3/4		3/4		3/4		3/4	
11	67,668	11	53,064	11	38,578	11	23,576	11	8,489	11		11		11		11		11	
1/4	67,354	1/4	52,762	1/4	38,276	1/4	23,262	1/4	8,175	1/4		1/4		1/4		1/4		1/4	
1/2	67,040	1/2	52,459	1/2	37,973	1/2	22,947	1/2	7,861	1/2		1/2		1/2		1/2		1/2	
3/4	66,726	3/4	52,157	3/4	37,671	3/4	22,633	3/4	7,546	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

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







# BARGE "HSM 3001"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	82,191	0	67,126	0	52,062	0	37,033	0	21,971	0	6,907	0		0		0		0	
1/4	81,877	1/4	66,813	1/4	51,749	1/4	36,720	1/4	21,658	1/4	6,594	1/4		1/4		1/4		1/4	
1/2	81,563	1/2	66,499	1/2	51,435	1/2	36,406	1/2	21,344	1/2	6,280	1/2		1/2		1/2		1/2	
3/4	81,249	3/4	66,185	3/4	51,122	3/4	36,092	3/4	21,030	3/4	5,966	3/4		3/4		3/4		3/4	
1	80,935	1	65,871	1	50,808	1	35,778	1	20,716	1	5,652	1		1		1		1	
1/4	80,621	1/4	65,557	1/4	50,495	1/4	35,464	1/4	20,402	1/4	5,338	1/4		1/4		1/4		1/4	
1/2	80,308	1/2	65,243	1/2	50,182	1/2	35,150	1/2	20,088	1/2	5,025	1/2		1/2		1/2		1/2	
3/4	79,994	3/4	64,930	3/4	49,869	3/4	34,837	3/4	19,775	3/4	4,711	3/4		3/4		3/4		3/4	
2	79,680	2	64,616	2	49,556	2	34,523	2	19,461	2	4,398	2		2		2		2	
1/4	79,366	1/4	64,302	1/4	49,243	1/4	34,209	1/4	19,147	1/4	4,085	1/4		1/4		1/4		1/4	
1/2	79,052	1/2	63,988	1/2	48,930	1/2	33,895	1/2	18,833	1/2	3,772	1/2		1/2		1/2		1/2	
3/4	78,738	3/4	63,674	3/4	48,617	3/4	33,581	3/4	18,519	3/4	3,459	3/4		3/4		3/4		3/4	
3	78,425	3	63,360	3	48,304	3	33,267	3	18,205	3	3,146	3		3		3		3	
1/4	78,111	1/4	63,047	1/4	47,991	1/4	32,953	1/4	17,892	1/4	2,833	1/4		1/4		1/4		1/4	
1/2	77,797	1/2	62,733	1/2	47,678	1/2	32,640	1/2	17,578	1/2	2,559	1/2		1/2		1/2		1/2	
3/4	77,483	3/4	62,419	3/4	47,365	3/4	32,326	3/4	17,264	3/4	2,266	3/4		3/4		3/4		3/4	
4	77,169	4	62,105	4	47,052	4	32,012	4	16,950	4	1,973	4		4		4		4	
1/4	76,855	1/4	61,791	1/4	46,739	1/4	31,698	1/4	16,636	1/4	1,737	1/4		1/4		1/4		1/4	
1/2	76,542	1/2	61,477	1/2	46,426	1/2	31,384	1/2	16,322	1/2	1,502	1/2		1/2		1/2		1/2	
3/4	76,228	3/4	61,163	3/4	46,113	3/4	31,070	3/4	16,009	3/4	1,267	3/4		3/4		3/4		3/4	
5	75,914	5	60,850	5	45,800	5	30,757	5	15,695	5	1,032	5		5		5		5	
1/4	75,600	1/4	60,536	1/4	45,487	1/4	30,443	1/4	15,381	1/4		1/4		1/4		1/4		1/4	
1/2	75,286	1/2	60,222	1/2	45,175	1/2	30,129	1/2	15,067	1/2		1/2		1/2		1/2		1/2	
3/4	74,972	3/4	59,908	3/4	44,862	3/4	29,815	3/4	14,753	3/4		3/4		3/4		3/4		3/4	
6	74,659	6	59,594	6	44,549	6	29,502	6	14,439	6		6		6		6		6	
1/4	74,345	1/4	59,280	1/4	44,236	1/4	29,188	1/4	14,126	1/4		1/4		1/4		1/4		1/4	
1/2	74,031	1/2	58,967	1/2	43,923	1/2	28,874	1/2	13,812	1/2		1/2		1/2		1/2		1/2	
3/4	73,717	3/4	58,653	3/4	43,610	3/4	28,561	3/4	13,498	3/4		3/4		3/4		3/4		3/4	
7	73,403	7	58,339	7	43,297	7	28,247	7	13,184	7		7		7		7		7	
1/4	73,089	1/4	58,025	1/4	42,984	1/4	27,933	1/4	12,870	1/4		1/4		1/4		1/4		1/4	
1/2	72,775	1/2	57,711	1/2	42,671	1/2	27,620	1/2	12,556	1/2		1/2		1/2		1/2		1/2	
3/4	72,462	3/4	57,397	3/4	42,358	3/4	27,306	3/4	12,243	3/4		3/4		3/4		3/4		3/4	
8	72,148	8	57,084	8	42,045	8	26,993	8	11,929	8		8		8		8		8	
1/4	71,834	1/4	56,770	1/4	41,733	1/4	26,679	1/4	11,615	1/4		1/4		1/4		1/4		1/4	
1/2	71,520	1/2	56,456	1/2	41,420	1/2	26,365	1/2	11,301	1/2		1/2		1/2		1/2		1/2	
3/4	71,206	3/4	56,142	3/4	41,107	3/4	26,051	3/4	10,987	3/4		3/4		3/4		3/4		3/4	
9	70,892	9	55,828	9	40,794	9	25,738	9	10,673	9		9		9		9		9	
1/4	70,579	1/4	55,514	1/4	40,481	1/4	25,424	1/4	10,360	1/4		1/4		1/4		1/4		1/4	
1/2	70,265	1/2	55,201	1/2	40,168	1/2	25,110	1/2	10,046	1/2		1/2		1/2		1/2		1/2	
3/4	69,951	3/4	54,887	3/4	39,855	3/4	24,796	3/4	9,732	3/4		3/4		3/4		3/4		3/4	
10	69,637	10	54,573	10	39,542	10	24,482	10	9,418	10		10		10		10		10	
1/4	69,323	1/4	54,259	1/4	39,229	1/4	24,168	1/4	9,104	1/4		1/4		1/4		1/4		1/4	
1/2	69,009	1/2	53,945	1/2	38,915	1/2	23,855	1/2	8,790	1/2		1/2		1/2		1/2		1/2	
3/4	68,696	3/4	53,631	3/4	38,602	3/4	23,541	3/4	8,477	3/4		3/4		3/4		3/4		3/4	
11	68,382	11	53,318	11	38,289	11	23,227	11	8,163	11		11		11		11		11	
1/4	68,068	1/4	53,004	1/4	37,975	1/4	22,913	1/4	7,849	1/4		1/4		1/4		1/4		1/4	
1/2	67,754	1/2	52,690	1/2	37,661	1/2	22,599	1/2	7,535	1/2		1/2		1/2		1/2		1/2	
3/4	67,440	3/4	52,376	3/4	37,347	3/4	22,285	3/4	7,221	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HSM 3001"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	81,069	0	66,157	0	51,423	0	36,847	0	21,878	0	6,883	0		0		0		0	
1/4	80,757	1/4	65,847	1/4	51,120	1/4	36,539	1/4	21,566	1/4	6,570	1/4		1/4		1/4		1/4	
1/2	80,445	1/2	65,537	1/2	50,818	1/2	36,231	1/2	21,253	1/2	6,258	1/2		1/2		1/2		1/2	
3/4	80,133	3/4	65,226	3/4	50,516	3/4	35,922	3/4	20,941	3/4	5,945	3/4		3/4		3/4		3/4	
1	79,820	1	64,916	1	50,213	1	35,614	1	20,629	1	5,633	1		1		1		1	
1/4	79,508	1/4	64,606	1/4	49,911	1/4	35,303	1/4	20,316	1/4	5,320	1/4		1/4		1/4		1/4	
1/2	79,196	1/2	64,296	1/2	49,608	1/2	34,991	1/2	20,004	1/2	5,008	1/2		1/2		1/2		1/2	
3/4	78,884	3/4	63,985	3/4	49,306	3/4	34,679	3/4	19,692	3/4	4,695	3/4		3/4		3/4		3/4	
2	78,571	2	63,675	2	49,004	2	34,367	2	19,380	2	4,383	2		2		2		2	
1/4	78,260	1/4	63,364	1/4	48,701	1/4	34,055	1/4	19,067	1/4	4,071	1/4		1/4		1/4		1/4	
1/2	77,949	1/2	63,053	1/2	48,399	1/2	33,743	1/2	18,755	1/2	3,759	1/2		1/2		1/2		1/2	
3/4	77,638	3/4	62,742	3/4	48,096	3/4	33,430	3/4	18,443	3/4	3,448	3/4		3/4		3/4		3/4	
3	77,326	3	62,431	3	47,794	3	33,118	3	18,130	3	3,136	3		3		3		3	
1/4	77,016	1/4	62,119	1/4	47,492	1/4	32,806	1/4	17,818	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	76,706	1/2	61,807	1/2	47,190	1/2	32,494	1/2	17,506	1/2	2,551	1/2		1/2		1/2		1/2	
3/4	76,396	3/4	61,495	3/4	46,888	3/4	32,181	3/4	17,193	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,085	4	61,183	4	46,586	4	31,869	4	16,881	4	1,966	4		4		4		4	
1/4	75,775	1/4	60,871	1/4	46,284	1/4	31,557	1/4	16,569	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	75,465	1/2	60,559	1/2	45,982	1/2	31,244	1/2	16,257	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,155	3/4	60,247	3/4	45,681	3/4	30,932	3/4	15,944	3/4	1,262	3/4		3/4		3/4		3/4	
5	74,844	5	59,935	5	45,379	5	30,620	5	15,632	5	1,028	5		5		5		5	
1/4	74,534	1/4	59,627	1/4	45,076	1/4	30,308	1/4	15,320	1/4		1/4		1/4		1/4		1/4	
1/2	74,224	1/2	59,318	1/2	44,773	1/2	29,995	1/2	15,007	1/2		1/2		1/2		1/2		1/2	
3/4	73,914	3/4	59,009	3/4	44,469	3/4	29,683	3/4	14,695	3/4		3/4		3/4		3/4		3/4	
6	73,603	6	58,700	6	44,166	6	29,371	6	14,383	6		6		6		6		6	
1/4	73,293	1/4	58,395	1/4	43,861	1/4	29,059	1/4	14,071	1/4		1/4		1/4		1/4		1/4	
1/2	72,983	1/2	58,089	1/2	43,556	1/2	28,747	1/2	13,758	1/2		1/2		1/2		1/2		1/2	
3/4	72,673	3/4	57,783	3/4	43,251	3/4	28,435	3/4	13,446	3/4		3/4		3/4		3/4		3/4	
7	72,362	7	57,478	7	42,946	7	28,123	7	13,134	7		7		7		7		7	
1/4	72,052	1/4	57,174	1/4	42,641	1/4	27,811	1/4	12,821	1/4		1/4		1/4		1/4		1/4	
1/2	71,742	1/2	56,870	1/2	42,336	1/2	27,498	1/2	12,509	1/2		1/2		1/2		1/2		1/2	
3/4	71,432	3/4	56,566	3/4	42,031	3/4	27,186	3/4	12,197	3/4		3/4		3/4		3/4		3/4	
8	71,121	8	56,262	8	41,726	8	26,874	8	11,885	8		8		8		8		8	
1/4	70,811	1/4	55,959	1/4	41,421	1/4	26,562	1/4	11,572	1/4		1/4		1/4		1/4		1/4	
1/2	70,501	1/2	55,657	1/2	41,116	1/2	26,250	1/2	11,260	1/2		1/2		1/2		1/2		1/2	
3/4	70,190	3/4	55,354	3/4	40,811	3/4	25,938	3/4	10,947	3/4		3/4		3/4		3/4		3/4	
9	69,880	9	55,052	9	40,506	9	25,625	9	10,634	9		9		9		9		9	
1/4	69,570	1/4	54,750	1/4	40,201	1/4	25,313	1/4	10,322	1/4		1/4		1/4		1/4		1/4	
1/2	69,260	1/2	54,447	1/2	39,896	1/2	25,001	1/2	10,009	1/2		1/2		1/2		1/2		1/2	
3/4	68,949	3/4	54,145	3/4	39,592	3/4	24,688	3/4	9,696	3/4		3/4		3/4		3/4		3/4	
10	68,639	10	53,842	10	39,287	10	24,376	10	9,383	10		10		10		10		10	
1/4	68,329	1/4	53,540	1/4	38,982	1/4	24,064	1/4	9,071	1/4		1/4		1/4		1/4		1/4	
1/2	68,019	1/2	53,237	1/2	38,677	1/2	23,752	1/2	8,758	1/2		1/2		1/2		1/2		1/2	
3/4	67,708	3/4	52,935	3/4	38,372	3/4	23,439	3/4	8,445	3/4		3/4		3/4		3/4		3/4	
11	67,398	11	52,633	11	38,067	11	23,127	11	8,133	11		11		11		11		11	
1/4	67,088	1/4	52,330	1/4	37,762	1/4	22,815	1/4	7,820	1/4		1/4		1/4		1/4		1/4	
1/2	66,778	1/2	52,028	1/2	37,457	1/2	22,502	1/2	7,508	1/2		1/2		1/2		1/2		1/2	
3/4	66,467	3/4	51,725	3/4	37,152	3/4	22,190	3/4	7,195	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

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





# BARGE "HSM 3001"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	81,924	0	66,912	0	51,900	0	36,903	0	21,895	0	6,883	0		0		0		0	
1/4	81,612	1/4	66,600	1/4	51,588	1/4	36,591	1/4	21,582	1/4	6,570	1/4		1/4		1/4		1/4	
1/2	81,299	1/2	66,287	1/2	51,275	1/2	36,279	1/2	21,269	1/2	6,258	1/2		1/2		1/2		1/2	
3/4	80,986	3/4	65,974	3/4	50,962	3/4	35,967	3/4	20,957	3/4	5,945	3/4		3/4		3/4		3/4	
1	80,673	1	65,661	1	50,649	1	35,654	1	20,644	1	5,632	1		1		1		1	
1/4	80,361	1/4	65,349	1/4	50,337	1/4	35,342	1/4	20,331	1/4	5,320	1/4		1/4		1/4		1/4	
1/2	80,048	1/2	65,036	1/2	50,024	1/2	35,029	1/2	20,018	1/2	5,007	1/2		1/2		1/2		1/2	
3/4	79,735	3/4	64,723	3/4	49,711	3/4	34,717	3/4	19,706	3/4	4,695	3/4		3/4		3/4		3/4	
2	79,422	2	64,410	2	49,398	2	34,404	2	19,393	2	4,382	2		2		2		2	
1/4	79,110	1/4	64,098	1/4	49,086	1/4	34,092	1/4	19,080	1/4	4,071	1/4		1/4		1/4		1/4	
1/2	78,797	1/2	63,785	1/2	48,773	1/2	33,779	1/2	18,767	1/2	3,759	1/2		1/2		1/2		1/2	
3/4	78,484	3/4	63,472	3/4	48,460	3/4	33,466	3/4	18,455	3/4	3,447	3/4		3/4		3/4		3/4	
3	78,171	3	63,159	3	48,147	3	33,153	3	18,142	3	3,135	3		3		3		3	
1/4	77,859	1/4	62,847	1/4	47,835	1/4	32,841	1/4	17,829	1/4	2,843	1/4		1/4		1/4		1/4	
1/2	77,546	1/2	62,534	1/2	47,522	1/2	32,528	1/2	17,516	1/2	2,551	1/2		1/2		1/2		1/2	
3/4	77,233	3/4	62,221	3/4	47,210	3/4	32,215	3/4	17,204	3/4	2,258	3/4		3/4		3/4		3/4	
4	76,920	4	61,908	4	46,897	4	31,902	4	16,891	4	1,966	4		4		4		4	
1/4	76,608	1/4	61,596	1/4	46,584	1/4	31,590	1/4	16,578	1/4	1,731	1/4		1/4		1/4		1/4	
1/2	76,295	1/2	61,283	1/2	46,272	1/2	31,277	1/2	16,265	1/2	1,497	1/2		1/2		1/2		1/2	
3/4	75,982	3/4	60,970	3/4	45,959	3/4	30,964	3/4	15,953	3/4	1,262	3/4		3/4		3/4		3/4	
5	75,669	5	60,657	5	45,647	5	30,651	5	15,640	5	1,028	5		5		5		5	
1/4	75,357	1/4	60,345	1/4	45,335	1/4	30,339	1/4	15,327	1/4		1/4		1/4		1/4		1/4	
1/2	75,044	1/2	60,032	1/2	45,022	1/2	30,026	1/2	15,014	1/2		1/2		1/2		1/2		1/2	
3/4	74,731	3/4	59,719	3/4	44,710	3/4	29,713	3/4	14,702	3/4		3/4		3/4		3/4		3/4	
6	74,418	6	59,406	6	44,397	6	29,401	6	14,389	6		6		6		6		6	
1/4	74,106	1/4	59,094	1/4	44,085	1/4	29,088	1/4	14,076	1/4		1/4		1/4		1/4		1/4	
1/2	73,793	1/2	58,781	1/2	43,773	1/2	28,775	1/2	13,763	1/2		1/2		1/2		1/2		1/2	
3/4	73,480	3/4	58,468	3/4	43,461	3/4	28,462	3/4	13,451	3/4		3/4		3/4		3/4		3/4	
7	73,167	7	58,155	7	43,148	7	28,150	7	13,138	7		7		7		7		7	
1/4	72,855	1/4	57,843	1/4	42,836	1/4	27,837	1/4	12,825	1/4		1/4		1/4		1/4		1/4	
1/2	72,542	1/2	57,530	1/2	42,524	1/2	27,524	1/2	12,513	1/2		1/2		1/2		1/2		1/2	
3/4	72,229	3/4	57,217	3/4	42,212	3/4	27,211	3/4	12,200	3/4		3/4		3/4		3/4		3/4	
8	71,916	8	56,904	8	41,899	8	26,899	8	11,887	8		8		8		8		8	
1/4	71,604	1/4	56,592	1/4	41,587	1/4	26,586	1/4	11,574	1/4		1/4		1/4		1/4		1/4	
1/2	71,291	1/2	56,279	1/2	41,275	1/2	26,273	1/2	11,262	1/2		1/2		1/2		1/2		1/2	
3/4	70,978	3/4	55,966	3/4	40,963	3/4	25,960	3/4	10,949	3/4		3/4		3/4		3/4		3/4	
9	70,665	9	55,653	9	40,650	9	25,648	9	10,636	9		9		9		9		9	
1/4	70,353	1/4	55,341	1/4	40,338	1/4	25,335	1/4	10,323	1/4		1/4		1/4		1/4		1/4	
1/2	70,040	1/2	55,028	1/2	40,026	1/2	25,022	1/2	10,011	1/2		1/2		1/2		1/2		1/2	
3/4	69,727	3/4	54,715	3/4	39,714	3/4	24,709	3/4	9,698	3/4		3/4		3/4		3/4		3/4	
10	69,414	10	54,402	10	39,401	10	24,397	10	9,385	10		10		10		10		10	
1/4	69,102	1/4	54,090	1/4	39,089	1/4	24,084	1/4	9,072	1/4		1/4		1/4		1/4		1/4	
1/2	68,789	1/2	53,777	1/2	38,777	1/2	23,771	1/2	8,760	1/2		1/2		1/2		1/2		1/2	
3/4	68,476	3/4	53,464	3/4	38,465	3/4	23,458	3/4	8,447	3/4		3/4		3/4		3/4		3/4	
11	68,163	11	53,151	11	38,152	11	23,146	11	8,134	11		11		11		11		11	
1/4	67,851	1/4	52,839	1/4	37,840	1/4	22,833	1/4	7,821	1/4		1/4		1/4		1/4		1/4	
1/2	67,538	1/2	52,526	1/2	37,528	1/2	22,520	1/2	7,509	1/2		1/2		1/2		1/2		1/2	
3/4	67,225	3/4	52,213	3/4	37,216	3/4	22,207	3/4	7,196	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

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



# BARGE "HSM 3001"

## PORT SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

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	4,137	0	2,982	0	1,829	0	674	0		0		0		0	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,804	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
1		1	5,140	1	4,041	1	2,886	1	1,732	1	577	1		1		1		1	
1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4	553	1/4		1/4		1/4		1/4	
1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2	529	1/2		1/2		1/2		1/2	
3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4	505	3/4		3/4		3/4		3/4	
2		2	5,093	2	3,945	2	2,790	2	1,636	2	481	2		2		2		2	
1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4	457	1/4		1/4		1/4		1/4	
1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2	433	1/2		1/2		1/2		1/2	
3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4	409	3/4		3/4		3/4		3/4	
3		3	4,999	3	3,849	3	2,693	3	1,540	3	385	3		3		3		3	
1/4		1/4	4,975	1/4	3,824	1/4	2,669	1/4	1,516	1/4	361	1/4		1/4		1/4		1/4	
1/2		1/2	4,952	1/2	3,800	1/2	2,645	1/2	1,492	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4	4,928	3/4	3,776	3/4	2,621	3/4	1,468	3/4	313	3/4		3/4		3/4		3/4	
4		4	4,904	4	3,752	4	2,597	4	1,444	4	289	4		4		4		4	
1/4		1/4	4,881	1/4	3,728	1/4	2,573	1/4	1,419	1/4	265	1/4		1/4		1/4		1/4	
1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2	241	1/2		1/2		1/2		1/2	
3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4	217	3/4		3/4		3/4		3/4	
5		5	4,810	5	3,656	5	2,502	5	1,347	5	192	5		5		5		5	
1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4	168	1/4		1/4		1/4		1/4	
1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2	144	1/2		1/2		1/2		1/2	
3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4	120	3/4		3/4		3/4		3/4	
6		6	4,715	6	3,560	6	2,406	6	1,251	6	96	6		6		6		6	
1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4		3/4	
7		7	4,619	7	3,464	7	2,310	7	1,155	7		7		7		7		7	
1/4		1/4	4,594	1/4	3,439	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4		3/4	
8		8	4,522	8	3,367	8	2,214	8	1,059	8		8		8		8		8	
1/4		1/4	4,498	1/4	3,343	1/4	2,189	1/4	1,035	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4		3/4	
9		9	4,426	9	3,271	9	2,117	9	962	9		9		9		9		9	
1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4		3/4	
10		10	4,330	10	3,175	10	2,021	10	866	10		10		10		10		10	
1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4		3/4	
11		11	4,234	11	3,078	11	1,925	11	770	11		11		11		11		11	
1/4		1/4	4,209	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	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.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.  
P.O. Box 2092  
Pearland, Texas 77588  
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# BARGE "HSM 3001"

# STBD SLOP TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06"

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	4,137	0	2,982	0	1,829	0	674	0		0		0		0	
1/4		1/4		1/4	4,113	1/4	2,958	1/4	1,804	1/4	650	1/4		1/4		1/4		1/4	
1/2		1/2		1/2	4,089	1/2	2,934	1/2	1,780	1/2	626	1/2		1/2		1/2		1/2	
3/4		3/4		3/4	4,065	3/4	2,910	3/4	1,756	3/4	602	3/4		3/4		3/4		3/4	
1		1	5,140	1	4,041	1	2,886	1	1,732	1	577	1		1		1		1	
1/4		1/4	5,128	1/4	4,017	1/4	2,862	1/4	1,708	1/4	553	1/4		1/4		1/4		1/4	
1/2		1/2	5,117	1/2	3,993	1/2	2,838	1/2	1,684	1/2	529	1/2		1/2		1/2		1/2	
3/4		3/4	5,105	3/4	3,969	3/4	2,814	3/4	1,660	3/4	505	3/4		3/4		3/4		3/4	
2		2	5,093	2	3,945	2	2,790	2	1,636	2	481	2		2		2		2	
1/4		1/4	5,070	1/4	3,921	1/4	2,766	1/4	1,612	1/4	457	1/4		1/4		1/4		1/4	
1/2		1/2	5,046	1/2	3,897	1/2	2,742	1/2	1,588	1/2	433	1/2		1/2		1/2		1/2	
3/4		3/4	5,023	3/4	3,873	3/4	2,718	3/4	1,564	3/4	409	3/4		3/4		3/4		3/4	
3		3	4,999	3	3,849	3	2,693	3	1,540	3	385	3		3		3		3	
1/4		1/4	4,975	1/4	3,824	1/4	2,669	1/4	1,516	1/4	361	1/4		1/4		1/4		1/4	
1/2		1/2	4,952	1/2	3,800	1/2	2,645	1/2	1,492	1/2	337	1/2		1/2		1/2		1/2	
3/4		3/4	4,928	3/4	3,776	3/4	2,621	3/4	1,468	3/4	313	3/4		3/4		3/4		3/4	
4		4	4,904	4	3,752	4	2,597	4	1,444	4	289	4		4		4		4	
1/4		1/4	4,881	1/4	3,728	1/4	2,573	1/4	1,419	1/4	265	1/4		1/4		1/4		1/4	
1/2		1/2	4,857	1/2	3,704	1/2	2,550	1/2	1,395	1/2	241	1/2		1/2		1/2		1/2	
3/4		3/4	4,833	3/4	3,680	3/4	2,526	3/4	1,371	3/4	217	3/4		3/4		3/4		3/4	
5		5	4,810	5	3,656	5	2,502	5	1,347	5	192	5		5		5		5	
1/4		1/4	4,786	1/4	3,632	1/4	2,478	1/4	1,323	1/4	168	1/4		1/4		1/4		1/4	
1/2		1/2	4,762	1/2	3,608	1/2	2,454	1/2	1,299	1/2	144	1/2		1/2		1/2		1/2	
3/4		3/4	4,739	3/4	3,584	3/4	2,430	3/4	1,275	3/4	120	3/4		3/4		3/4		3/4	
6		6	4,715	6	3,560	6	2,406	6	1,251	6	96	6		6		6		6	
1/4		1/4	4,691	1/4	3,536	1/4	2,382	1/4	1,227	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,667	1/2	3,512	1/2	2,358	1/2	1,203	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,643	3/4	3,488	3/4	2,334	3/4	1,179	3/4		3/4		3/4		3/4		3/4	
7		7	4,619	7	3,464	7	2,310	7	1,155	7		7		7		7		7	
1/4		1/4	4,594	1/4	3,439	1/4	2,286	1/4	1,131	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,570	1/2	3,415	1/2	2,262	1/2	1,107	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,546	3/4	3,391	3/4	2,238	3/4	1,083	3/4		3/4		3/4		3/4		3/4	
8		8	4,522	8	3,367	8	2,214	8	1,059	8		8		8		8		8	
1/4		1/4	4,498	1/4	3,343	1/4	2,189	1/4	1,035	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,474	1/2	3,319	1/2	2,165	1/2	1,011	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,450	3/4	3,295	3/4	2,141	3/4	987	3/4		3/4		3/4		3/4		3/4	
9		9	4,426	9	3,271	9	2,117	9	962	9		9		9		9		9	
1/4		1/4	4,402	1/4	3,247	1/4	2,093	1/4	938	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,378	1/2	3,223	1/2	2,069	1/2	914	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,354	3/4	3,199	3/4	2,045	3/4	890	3/4		3/4		3/4		3/4		3/4	
10		10	4,330	10	3,175	10	2,021	10	866	10		10		10		10		10	
1/4		1/4	4,306	1/4	3,151	1/4	1,997	1/4	842	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,282	1/2	3,127	1/2	1,973	1/2	818	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,258	3/4	3,103	3/4	1,949	3/4	794	3/4		3/4		3/4		3/4		3/4	
11		11	4,234	11	3,078	11	1,925	11	770	11		11		11		11		11	
1/4		1/4	4,209	1/4	3,054	1/4	1,901	1/4	746	1/4		1/4		1/4		1/4		1/4	
1/2		1/2	4,185	1/2	3,030	1/2	1,877	1/2	722	1/2		1/2		1/2		1/2		1/2	
3/4		3/4	4,161	3/4	3,006	3/4	1,853	3/4	698	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.

STRAPPED: 10/13/2016 CL  
CALCULATED: 10/13/2016 CL  
PRINTED: 10/14/2016 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 10/2016

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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