



BARGE "HSM 3000"

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 PORT	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	00-1/8	- 00-1/8
1 STBD	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	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 INNAGE GAUGE OF 4'-00" ON 3 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

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 3000"

1 PORT INNAGE 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	385	0	13,247	0	28,167	0	43,184	0	58,140	0	73,114	0	88,132	0	103,149	0	118,162	0	133,173
1/4	562	1/4	13,548	1/4	28,480	1/4	43,497	1/4	58,450	1/4	73,427	1/4	88,445	1/4	103,462	1/4	118,475	1/4	133,486
1/2	739	1/2	13,849	1/2	28,793	1/2	43,810	1/2	58,761	1/2	73,740	1/2	88,757	1/2	103,775	1/2	118,787	1/2	133,798
3/4	916	3/4	14,150	3/4	29,106	3/4	44,123	3/4	59,071	3/4	74,053	3/4	89,070	3/4	104,088	3/4	119,100	3/4	134,111
1	1,093	1	14,452	1	29,419	1	44,436	1	59,382	1	74,366	1	89,383	1	104,401	1	119,413	1	134,424
1/4	1,331	1/4	14,757	1/4	29,732	1/4	44,748	1/4	59,692	1/4	74,679	1/4	89,696	1/4	104,714	1/4	119,726	1/4	134,737
1/2	1,570	1/2	15,062	1/2	30,044	1/2	45,061	1/2	60,003	1/2	74,992	1/2	90,009	1/2	105,026	1/2	120,038	1/2	135,049
3/4	1,808	3/4	15,367	3/4	30,357	3/4	45,374	3/4	60,313	3/4	75,304	3/4	90,322	3/4	105,339	3/4	120,351	3/4	135,362
2	2,047	2	15,672	2	30,670	2	45,687	2	60,624	2	75,617	2	90,635	2	105,652	2	120,664	2	135,675
1/4	2,309	1/4	15,981	1/4	30,983	1/4	46,000	1/4	60,934	1/4	75,930	1/4	90,948	1/4	105,965	1/4	120,977	1/4	135,988
1/2	2,570	1/2	16,290	1/2	31,296	1/2	46,313	1/2	61,245	1/2	76,243	1/2	91,260	1/2	106,278	1/2	121,289	1/2	136,300
3/4	2,832	3/4	16,599	3/4	31,609	3/4	46,626	3/4	61,555	3/4	76,556	3/4	91,573	3/4	106,591	3/4	121,602	3/4	136,613
3	3,094	3	16,908	3	31,921	3	46,938	3	61,866	3	76,869	3	91,886	3	106,904	3	121,915	3	136,926
1/4	3,360	1/4	17,220	1/4	32,234	1/4	47,251	1/4	62,176	1/4	77,182	1/4	92,199	1/4	107,216	1/4	122,228	1/4	137,238
1/2	3,627	1/2	17,532	1/2	32,547	1/2	47,564	1/2	62,487	1/2	77,494	1/2	92,512	1/2	107,529	1/2	122,540	1/2	137,551
3/4	3,893	3/4	17,844	3/4	32,860	3/4	47,877	3/4	62,798	3/4	77,807	3/4	92,825	3/4	107,842	3/4	122,853	3/4	137,864
4	4,160	4	18,156	4	33,173	4	48,190	4	63,108	4	78,120	4	93,138	4	108,155	4	123,166	4	138,177
1/4	4,430	1/4	18,469	1/4	33,486	1/4	48,502	1/4	63,420	1/4	78,433	1/4	93,450	1/4	108,467	1/4	123,478	1/4	138,489
1/2	4,701	1/2	18,782	1/2	33,799	1/2	48,814	1/2	63,732	1/2	78,746	1/2	93,763	1/2	108,780	1/2	123,791	1/2	138,802
3/4	4,971	3/4	19,094	3/4	34,111	3/4	49,126	3/4	64,043	3/4	79,059	3/4	94,076	3/4	109,093	3/4	124,104	3/4	139,115
5	5,241	5	19,407	5	34,424	5	49,438	5	64,355	5	79,372	5	94,389	5	109,406	5	124,417	5	139,428
1/4	5,516	1/4	19,720	1/4	34,737	1/4	49,750	1/4	64,668	1/4	79,684	1/4	94,702	1/4	109,718	1/4	124,729	1/4	139,740
1/2	5,790	1/2	20,033	1/2	35,050	1/2	50,061	1/2	64,980	1/2	79,997	1/2	95,015	1/2	110,031	1/2	125,042	1/2	140,053
3/4	6,064	3/4	20,346	3/4	35,363	3/4	50,373	3/4	65,293	3/4	80,310	3/4	95,328	3/4	110,344	3/4	125,355	3/4	140,366
6	6,339	6	20,659	6	35,676	6	50,684	6	65,606	6	80,623	6	95,640	6	110,657	6	125,668	6	140,678
1/4	6,617	1/4	20,972	1/4	35,989	1/4	50,995	1/4	65,918	1/4	80,936	1/4	95,953	1/4	110,969	1/4	125,980	1/4	140,991
1/2	6,895	1/2	21,284	1/2	36,301	1/2	51,306	1/2	66,231	1/2	81,249	1/2	96,266	1/2	111,282	1/2	126,293	1/2	141,304
3/4	7,173	3/4	21,597	3/4	36,614	3/4	51,618	3/4	66,544	3/4	81,562	3/4	96,579	3/4	111,595	3/4	126,606	3/4	141,617
7	7,452	7	21,910	7	36,927	7	51,929	7	66,857	7	81,874	7	96,892	7	111,907	7	126,918	7	141,929
1/4	7,734	1/4	22,223	1/4	37,240	1/4	52,240	1/4	67,170	1/4	82,187	1/4	97,205	1/4	112,220	1/4	127,231	1/4	142,242
1/2	8,016	1/2	22,536	1/2	37,553	1/2	52,550	1/2	67,483	1/2	82,500	1/2	97,518	1/2	112,533	1/2	127,544	1/2	142,555
3/4	8,298	3/4	22,849	3/4	37,866	3/4	52,861	3/4	67,796	3/4	82,813	3/4	97,831	3/4	112,846	3/4	127,857	3/4	142,868
8	8,580	8	23,162	8	38,179	8	53,172	8	68,109	8	83,126	8	98,143	8	113,158	8	128,169	8	143,180
1/4	8,866	1/4	23,474	1/4	38,491	1/4	53,482	1/4	68,421	1/4	83,439	1/4	98,456	1/4	113,471	1/4	128,482	1/4	143,493
1/2	9,152	1/2	23,787	1/2	38,804	1/2	53,793	1/2	68,734	1/2	83,752	1/2	98,769	1/2	113,784	1/2	128,795	1/2	143,806
3/4	9,437	3/4	24,100	3/4	39,117	3/4	54,103	3/4	69,047	3/4	84,065	3/4	99,082	3/4	114,097	3/4	129,108	3/4	144,118
9	9,723	9	24,413	9	39,430	9	54,414	9	69,360	9	84,377	9	99,395	9	114,409	9	129,420	9	144,431
1/4	10,013	1/4	24,726	1/4	39,743	1/4	54,724	1/4	69,673	1/4	84,690	1/4	99,708	1/4	114,722	1/4	129,733	1/4	144,744
1/2	10,303	1/2	25,039	1/2	40,056	1/2	55,035	1/2	69,986	1/2	85,003	1/2	100,021	1/2	115,035	1/2	130,046	1/2	145,057
3/4	10,593	3/4	25,352	3/4	40,369	3/4	55,345	3/4	70,299	3/4	85,316	3/4	100,333	3/4	115,347	3/4	130,358	3/4	145,369
10	10,882	10	25,664	10	40,681	10	55,656	10	70,611	10	85,629	10	100,646	10	115,660	10	130,671	10	145,682
1/4	11,176	1/4	25,977	1/4	40,994	1/4	55,966	1/4	70,924	1/4	85,942	1/4	100,959	1/4	115,973	1/4	130,984	1/4	145,995
1/2	11,470	1/2	26,290	1/2	41,307	1/2	56,277	1/2	71,237	1/2	86,255	1/2	101,272	1/2	116,286	1/2	131,297	1/2	146,308
3/4	11,763	3/4	26,603	3/4	41,620	3/4	56,587	3/4	71,550	3/4	86,567	3/4	101,585	3/4	116,598	3/4	131,609	3/4	146,620
11	12,057	11	26,916	11	41,933	11	56,898	11	71,863	11	86,880	11	101,898	11	116,911	11	131,922	11	146,933
1/4	12,354	1/4	27,229	1/4	42,246	1/4	57,208	1/4	72,176	1/4	87,193	1/4	102,211	1/4	117,224	1/4	132,235	1/4	147,246
1/2	12,652	1/2	27,542	1/2	42,559	1/2	57,519	1/2	72,489	1/2	87,506	1/2	102,523	1/2	117,537	1/2	132,548	1/2	147,558
3/4	12,949	3/4	27,854	3/4	42,871	3/4	57,829	3/4	72,801	3/4	87,819	3/4	102,836	3/4	117,849	3/4	132,860	3/4	147,871

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 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 3000"

1 PORT INNAGE 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	148,184	0	163,195	0	178,197	0	193,164	0	208,059	0		0		0		0		0	
1/4	148,497	1/4	163,508	1/4	178,508	1/4	193,476	1/4	208,339	1/4		1/4		1/4		1/4		1/4	
1/2	148,809	1/2	163,820	1/2	178,820	1/2	193,787	1/2	208,619	1/2		1/2		1/2		1/2		1/2	
3/4	149,122	3/4	164,133	3/4	179,132	3/4	194,099	3/4	208,899	3/4		3/4		3/4		3/4		3/4	
1	149,435	1	164,446	1	179,444	1	194,411	1	209,179	1		1		1		1		1	
1/4	149,748	1/4	164,759	1/4	179,756	1/4	194,723	1/4	209,410	1/4		1/4		1/4		1/4		1/4	
1/2	150,060	1/2	165,071	1/2	180,068	1/2	195,035	1/2	209,642	1/2		1/2		1/2		1/2		1/2	
3/4	150,373	3/4	165,384	3/4	180,379	3/4	195,347	3/4	209,873	3/4		3/4		3/4		3/4		3/4	
2	150,686	2	165,697	2	180,691	2	195,658	2	210,105	2		2		2		2		2	
1/4	150,998	1/4	166,009	1/4	181,003	1/4	195,970	1/4	210,284	1/4		1/4		1/4		1/4		1/4	
1/2	151,311	1/2	166,322	1/2	181,315	1/2	196,282	1/2	210,464	1/2		1/2		1/2		1/2		1/2	
3/4	151,624	3/4	166,635	3/4	181,627	3/4	196,594	3/4	210,643	3/4		3/4		3/4		3/4		3/4	
3	151,937	3	166,948	3	181,938	3	196,906	3	210,823	3		3		3		3		3	
1/4	152,249	1/4	167,260	1/4	182,250	1/4	197,217	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,562	1/2	167,573	1/2	182,562	1/2	197,529	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,875	3/4	167,886	3/4	182,874	3/4	197,841	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,188	4	168,199	4	183,186	4	198,153	4		4		4		4		4		4	
1/4	153,500	1/4	168,511	1/4	183,498	1/4	198,465	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,813	1/2	168,824	1/2	183,809	1/2	198,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,126	3/4	169,137	3/4	184,121	3/4	199,088	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,438	5	169,449	5	184,433	5	199,400	5		5		5		5		5		5	
1/4	154,751	1/4	169,762	1/4	184,745	1/4	199,711	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,064	1/2	170,075	1/2	185,057	1/2	200,022	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,377	3/4	170,388	3/4	185,368	3/4	200,332	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,689	6	170,700	6	185,680	6	200,643	6		6		6		6		6		6	
1/4	156,002	1/4	171,013	1/4	185,992	1/4	200,953	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,315	1/2	171,326	1/2	186,304	1/2	201,262	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,628	3/4	171,639	3/4	186,616	3/4	201,572	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,940	7	171,951	7	186,928	7	201,882	7		7		7		7		7		7	
1/4	157,253	1/4	172,264	1/4	187,239	1/4	202,192	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,566	1/2	172,577	1/2	187,551	1/2	202,501	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,878	3/4	172,889	3/4	187,863	3/4	202,811	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,191	8	173,202	8	188,175	8	203,121	8		8		8		8		8		8	
1/4	158,504	1/4	173,515	1/4	188,487	1/4	203,431	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,817	1/2	173,828	1/2	188,798	1/2	203,740	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,129	3/4	174,140	3/4	189,110	3/4	204,050	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,442	9	174,453	9	189,422	9	204,360	9		9		9		9		9		9	
1/4	159,755	1/4	174,765	1/4	189,734	1/4	204,670	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,068	1/2	175,078	1/2	190,046	1/2	204,979	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,380	3/4	175,390	3/4	190,357	3/4	205,289	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,693	10	175,702	10	190,669	10	205,599	10		10		10		10		10		10	
1/4	161,006	1/4	176,014	1/4	190,981	1/4	205,908	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,318	1/2	176,326	1/2	191,293	1/2	206,218	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,631	3/4	176,638	3/4	191,605	3/4	206,527	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,944	11	176,949	11	191,917	11	206,836	11		11		11		11		11		11	
1/4	162,257	1/4	177,261	1/4	192,228	1/4	207,142	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,569	1/2	177,573	1/2	192,540	1/2	207,447	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,882	3/4	177,885	3/4	192,852	3/4	207,753	3/4		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
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BARGE "HSM 3000"

1 STBD INNAGE 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	386	0	13,268	0	28,213	0	43,255	0	58,292	0	73,332	0	88,374	0	103,416	0	118,453	0	133,489
1/4	563	1/4	13,570	1/4	28,527	1/4	43,568	1/4	58,605	1/4	73,645	1/4	88,687	1/4	103,729	1/4	118,766	1/4	133,802
1/2	740	1/2	13,872	1/2	28,840	1/2	43,882	1/2	58,919	1/2	73,958	1/2	89,000	1/2	104,042	1/2	119,080	1/2	134,115
3/4	917	3/4	14,174	3/4	29,154	3/4	44,195	3/4	59,232	3/4	74,272	3/4	89,314	3/4	104,356	3/4	119,393	3/4	134,428
1	1,094	1	14,476	1	29,467	1	44,509	1	59,545	1	74,585	1	89,627	1	104,669	1	119,706	1	134,742
1/4	1,333	1/4	14,781	1/4	29,780	1/4	44,822	1/4	59,858	1/4	74,898	1/4	89,940	1/4	104,983	1/4	120,019	1/4	135,055
1/2	1,572	1/2	15,087	1/2	30,094	1/2	45,135	1/2	60,171	1/2	75,212	1/2	90,254	1/2	105,296	1/2	120,333	1/2	135,368
3/4	1,811	3/4	15,392	3/4	30,407	3/4	45,449	3/4	60,484	3/4	75,525	3/4	90,567	3/4	105,609	3/4	120,646	3/4	135,681
2	2,050	2	15,698	2	30,720	2	45,762	2	60,797	2	75,839	2	90,881	2	105,923	2	120,959	2	135,995
1/4	2,313	1/4	16,008	1/4	31,034	1/4	46,075	1/4	61,111	1/4	76,152	1/4	91,194	1/4	106,236	1/4	121,272	1/4	136,308
1/2	2,575	1/2	16,317	1/2	31,347	1/2	46,389	1/2	61,424	1/2	76,465	1/2	91,507	1/2	106,549	1/2	121,585	1/2	136,621
3/4	2,837	3/4	16,627	3/4	31,661	3/4	46,702	3/4	61,737	3/4	76,779	3/4	91,821	3/4	106,863	3/4	121,899	3/4	136,934
3	3,099	3	16,936	3	31,974	3	47,015	3	62,050	3	77,092	3	92,134	3	107,176	3	122,212	3	137,247
1/4	3,366	1/4	17,249	1/4	32,287	1/4	47,329	1/4	62,364	1/4	77,405	1/4	92,447	1/4	107,489	1/4	122,525	1/4	137,561
1/2	3,633	1/2	17,561	1/2	32,601	1/2	47,642	1/2	62,677	1/2	77,719	1/2	92,761	1/2	107,803	1/2	122,838	1/2	137,874
3/4	3,900	3/4	17,873	3/4	32,914	3/4	47,956	3/4	62,990	3/4	78,032	3/4	93,074	3/4	108,116	3/4	123,152	3/4	138,187
4	4,167	4	18,186	4	33,227	4	48,269	4	63,304	4	78,346	4	93,388	4	108,429	4	123,465	4	138,500
1/4	4,437	1/4	18,499	1/4	33,541	1/4	48,582	1/4	63,617	1/4	78,659	1/4	93,701	1/4	108,743	1/4	123,778	1/4	138,814
1/2	4,708	1/2	18,813	1/2	33,854	1/2	48,896	1/2	63,930	1/2	78,972	1/2	94,014	1/2	109,056	1/2	124,091	1/2	139,127
3/4	4,979	3/4	19,126	3/4	34,167	3/4	49,209	3/4	64,244	3/4	79,286	3/4	94,328	3/4	109,369	3/4	124,405	3/4	139,440
5	5,250	5	19,439	5	34,481	5	49,522	5	64,557	5	79,599	5	94,641	5	109,682	5	124,718	5	139,753
1/4	5,525	1/4	19,753	1/4	34,794	1/4	49,836	1/4	64,870	1/4	79,912	1/4	94,954	1/4	109,996	1/4	125,031	1/4	140,067
1/2	5,800	1/2	20,066	1/2	35,108	1/2	50,149	1/2	65,184	1/2	80,226	1/2	95,268	1/2	110,309	1/2	125,344	1/2	140,380
3/4	6,075	3/4	20,379	3/4	35,421	3/4	50,463	3/4	65,497	3/4	80,539	3/4	95,581	3/4	110,622	3/4	125,658	3/4	140,693
6	6,349	6	20,693	6	35,734	6	50,776	6	65,811	6	80,853	6	95,895	6	110,935	6	125,971	6	141,006
1/4	6,628	1/4	21,006	1/4	36,048	1/4	51,089	1/4	66,124	1/4	81,166	1/4	96,208	1/4	111,249	1/4	126,284	1/4	141,320
1/2	6,907	1/2	21,319	1/2	36,361	1/2	51,403	1/2	66,437	1/2	81,479	1/2	96,521	1/2	111,562	1/2	126,597	1/2	141,633
3/4	7,185	3/4	21,633	3/4	36,674	3/4	51,716	3/4	66,751	3/4	81,793	3/4	96,835	3/4	111,875	3/4	126,911	3/4	141,946
7	7,464	7	21,946	7	36,988	7	52,029	7	67,064	7	82,106	7	97,148	7	112,188	7	127,224	7	142,259
1/4	7,746	1/4	22,260	1/4	37,301	1/4	52,342	1/4	67,377	1/4	82,419	1/4	97,461	1/4	112,502	1/4	127,537	1/4	142,573
1/2	8,029	1/2	22,573	1/2	37,614	1/2	52,656	1/2	67,691	1/2	82,733	1/2	97,775	1/2	112,815	1/2	127,850	1/2	142,886
3/4	8,311	3/4	22,886	3/4	37,928	3/4	52,969	3/4	68,004	3/4	83,046	3/4	98,088	3/4	113,128	3/4	128,164	3/4	143,199
8	8,594	8	23,200	8	38,241	8	53,282	8	68,318	8	83,360	8	98,402	8	113,441	8	128,477	8	143,512
1/4	8,880	1/4	23,513	1/4	38,555	1/4	53,595	1/4	68,631	1/4	83,673	1/4	98,715	1/4	113,754	1/4	128,790	1/4	143,826
1/2	9,167	1/2	23,826	1/2	38,868	1/2	53,908	1/2	68,944	1/2	83,986	1/2	99,028	1/2	114,068	1/2	129,103	1/2	144,139
3/4	9,453	3/4	24,140	3/4	39,181	3/4	54,221	3/4	69,258	3/4	84,300	3/4	99,342	3/4	114,381	3/4	129,416	3/4	144,452
9	9,739	9	24,453	9	39,495	9	54,535	9	69,571	9	84,613	9	99,655	9	114,694	9	129,730	9	144,765
1/4	10,030	1/4	24,766	1/4	39,808	1/4	54,848	1/4	69,884	1/4	84,926	1/4	99,969	1/4	115,007	1/4	130,043	1/4	145,079
1/2	10,320	1/2	25,080	1/2	40,121	1/2	55,161	1/2	70,198	1/2	85,240	1/2	100,282	1/2	115,321	1/2	130,356	1/2	145,392
3/4	10,610	3/4	25,393	3/4	40,435	3/4	55,474	3/4	70,511	3/4	85,553	3/4	100,595	3/4	115,634	3/4	130,669	3/4	145,705
10	10,900	10	25,707	10	40,748	10	55,787	10	70,825	10	85,867	10	100,909	10	115,947	10	130,983	10	146,018
1/4	11,194	1/4	26,020	1/4	41,062	1/4	56,100	1/4	71,138	1/4	86,180	1/4	101,222	1/4	116,260	1/4	131,296	1/4	146,332
1/2	11,488	1/2	26,333	1/2	41,375	1/2	56,413	1/2	71,451	1/2	86,493	1/2	101,535	1/2	116,574	1/2	131,609	1/2	146,645
3/4	11,783	3/4	26,647	3/4	41,688	3/4	56,727	3/4	71,765	3/4	86,807	3/4	101,849	3/4	116,887	3/4	131,922	3/4	146,958
11	12,077	11	26,960	11	42,002	11	57,040	11	72,078	11	87,120	11	102,162	11	117,200	11	132,236	11	147,271
1/4	12,375	1/4	27,273	1/4	42,315	1/4	57,353	1/4	72,391	1/4	87,433	1/4	102,476	1/4	117,513	1/4	132,549	1/4	147,585
1/2	12,672	1/2	27,587	1/2	42,628	1/2	57,666	1/2	72,705	1/2	87,747	1/2	102,789	1/2	117,827	1/2	132,862	1/2	147,898
3/4	12,970	3/4	27,900	3/4	42,942	3/4	57,979	3/4	73,018	3/4	88,060	3/4	103,102	3/4	118,140	3/4	133,175	3/4	148,211

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 THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

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



BARGE "HSM 3000"

1 STBD INNAGE 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	148,524	0	163,560	0	178,587	0	193,579	0	208,498	0		0		0		0		0	
1/4	148,838	1/4	163,873	1/4	178,899	1/4	193,891	1/4	208,779	1/4		1/4		1/4		1/4		1/4	
1/2	149,151	1/2	164,187	1/2	179,211	1/2	194,203	1/2	209,059	1/2		1/2		1/2		1/2		1/2	
3/4	149,464	3/4	164,500	3/4	179,524	3/4	194,516	3/4	209,339	3/4		3/4		3/4		3/4		3/4	
1	149,777	1	164,813	1	179,836	1	194,828	1	209,620	1		1		1		1		1	
1/4	150,091	1/4	165,126	1/4	180,148	1/4	195,140	1/4	209,852	1/4		1/4		1/4		1/4		1/4	
1/2	150,404	1/2	165,440	1/2	180,461	1/2	195,453	1/2	210,084	1/2		1/2		1/2		1/2		1/2	
3/4	150,717	3/4	165,753	3/4	180,773	3/4	195,765	3/4	210,316	3/4		3/4		3/4		3/4		3/4	
2	151,030	2	166,066	2	181,085	2	196,077	2	210,548	2		2		2		2		2	
1/4	151,344	1/4	166,379	1/4	181,398	1/4	196,390	1/4	210,728	1/4		1/4		1/4		1/4		1/4	
1/2	151,657	1/2	166,693	1/2	181,710	1/2	196,702	1/2	210,907	1/2		1/2		1/2		1/2		1/2	
3/4	151,970	3/4	167,006	3/4	182,022	3/4	197,014	3/4	211,087	3/4		3/4		3/4		3/4		3/4	
3	152,283	3	167,319	3	182,335	3	197,327	3	211,267	3		3		3		3		3	
1/4	152,597	1/4	167,632	1/4	182,647	1/4	197,639	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,910	1/2	167,946	1/2	182,959	1/2	197,951	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,223	3/4	168,259	3/4	183,272	3/4	198,264	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,536	4	168,572	4	183,584	4	198,576	4		4		4		4		4		4	
1/4	153,850	1/4	168,885	1/4	183,896	1/4	198,888	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,163	1/2	169,199	1/2	184,209	1/2	199,201	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,476	3/4	169,512	3/4	184,521	3/4	199,513	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,789	5	169,825	5	184,833	5	199,825	5		5		5		5		5		5	
1/4	155,102	1/4	170,138	1/4	185,146	1/4	200,137	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,416	1/2	170,452	1/2	185,458	1/2	200,448	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,729	3/4	170,765	3/4	185,770	3/4	200,759	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,042	6	171,078	6	186,083	6	201,070	6		6		6		6		6		6	
1/4	156,355	1/4	171,391	1/4	186,395	1/4	201,381	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,669	1/2	171,705	1/2	186,707	1/2	201,691	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,982	3/4	172,018	3/4	187,020	3/4	202,001	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,295	7	172,331	7	187,332	7	202,311	7		7		7		7		7		7	
1/4	157,608	1/4	172,644	1/4	187,644	1/4	202,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,922	1/2	172,957	1/2	187,957	1/2	202,932	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,235	3/4	173,271	3/4	188,269	3/4	203,242	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,548	8	173,584	8	188,581	8	203,552	8		8		8		8		8		8	
1/4	158,861	1/4	173,897	1/4	188,894	1/4	203,862	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,175	1/2	174,210	1/2	189,206	1/2	204,173	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,488	3/4	174,524	3/4	189,518	3/4	204,483	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,801	9	174,837	9	189,831	9	204,793	9		9		9		9		9		9	
1/4	160,114	1/4	175,150	1/4	190,143	1/4	205,104	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,428	1/2	175,463	1/2	190,455	1/2	205,414	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,741	3/4	175,775	3/4	190,768	3/4	205,724	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,054	10	176,088	10	191,080	10	206,034	10		10		10		10		10		10	
1/4	161,367	1/4	176,400	1/4	191,392	1/4	206,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,681	1/2	176,713	1/2	191,705	1/2	206,654	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,994	3/4	177,025	3/4	192,017	3/4	206,964	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,307	11	177,337	11	192,329	11	207,274	11		11		11		11		11		11	
1/4	162,620	1/4	177,650	1/4	192,642	1/4	207,580	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,934	1/2	177,962	1/2	192,954	1/2	207,886	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,247	3/4	178,274	3/4	193,266	3/4	208,192	3/4		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.
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BARGE "HSM 3000"

2 PORT INNAGE 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	1,032	0	15,700	0	30,766	0	45,461	0	59,950	0	74,808	0	89,877	0	104,946	0	120,009	0	135,071
1/4	1,267	1/4	16,014	1/4	31,080	1/4	45,762	1/4	60,252	1/4	75,121	1/4	90,191	1/4	105,260	1/4	120,323	1/4	135,385
1/2	1,503	1/2	16,328	1/2	31,394	1/2	46,064	1/2	60,555	1/2	75,435	1/2	90,505	1/2	105,574	1/2	120,637	1/2	135,699
3/4	1,738	3/4	16,641	3/4	31,708	3/4	46,365	3/4	60,857	3/4	75,749	3/4	90,818	3/4	105,888	3/4	120,951	3/4	136,012
1	1,973	1	16,955	1	32,022	1	46,666	1	61,159	1	76,063	1	91,132	1	106,201	1	121,265	1	136,326
1/4	2,267	1/4	17,269	1/4	32,336	1/4	46,967	1/4	61,461	1/4	76,377	1/4	91,446	1/4	106,515	1/4	121,578	1/4	136,640
1/2	2,561	1/2	17,583	1/2	32,650	1/2	47,269	1/2	61,763	1/2	76,691	1/2	91,760	1/2	106,829	1/2	121,892	1/2	136,954
3/4	2,854	3/4	17,897	3/4	32,964	3/4	47,570	3/4	62,065	3/4	77,005	3/4	92,074	3/4	107,143	3/4	122,206	3/4	137,267
2	3,148	2	18,211	2	33,277	2	47,871	2	62,368	2	77,319	2	92,388	2	107,457	2	122,520	2	137,581
1/4	3,460	1/4	18,525	1/4	33,591	1/4	48,172	1/4	62,670	1/4	77,633	1/4	92,702	1/4	107,771	1/4	122,833	1/4	137,895
1/2	3,773	1/2	18,839	1/2	33,905	1/2	48,474	1/2	62,972	1/2	77,947	1/2	93,016	1/2	108,085	1/2	123,147	1/2	138,209
3/4	4,086	3/4	19,153	3/4	34,219	3/4	48,775	3/4	63,274	3/4	78,261	3/4	93,330	3/4	108,399	3/4	123,461	3/4	138,523
3	4,399	3	19,467	3	34,533	3	49,076	3	63,576	3	78,575	3	93,644	3	108,713	3	123,775	3	138,836
1/4	4,713	1/4	19,781	1/4	34,847	1/4	49,378	1/4	63,879	1/4	78,889	1/4	93,958	1/4	109,027	1/4	124,089	1/4	139,150
1/2	5,027	1/2	20,095	1/2	35,161	1/2	49,679	1/2	64,181	1/2	79,203	1/2	94,272	1/2	109,341	1/2	124,402	1/2	139,464
3/4	5,340	3/4	20,409	3/4	35,475	3/4	49,981	3/4	64,483	3/4	79,517	3/4	94,586	3/4	109,655	3/4	124,716	3/4	139,778
4	5,654	4	20,723	4	35,789	4	50,282	4	64,785	4	79,831	4	94,900	4	109,968	4	125,030	4	140,091
1/4	5,968	1/4	21,036	1/4	36,097	1/4	50,584	1/4	65,093	1/4	80,145	1/4	95,214	1/4	110,282	1/4	125,344	1/4	140,405
1/2	6,282	1/2	21,350	1/2	36,405	1/2	50,886	1/2	65,401	1/2	80,458	1/2	95,528	1/2	110,596	1/2	125,658	1/2	140,719
3/4	6,596	3/4	21,664	3/4	36,713	3/4	51,188	3/4	65,709	3/4	80,772	3/4	95,841	3/4	110,910	3/4	125,971	3/4	141,033
5	6,910	5	21,978	5	37,021	5	51,490	5	66,017	5	81,086	5	96,155	5	111,224	5	126,285	5	141,347
1/4	7,224	1/4	22,292	1/4	37,323	1/4	51,792	1/4	66,331	1/4	81,400	1/4	96,469	1/4	111,537	1/4	126,599	1/4	141,660
1/2	7,537	1/2	22,606	1/2	37,625	1/2	52,094	1/2	66,645	1/2	81,714	1/2	96,783	1/2	111,851	1/2	126,913	1/2	141,974
3/4	7,851	3/4	22,920	3/4	37,928	3/4	52,396	3/4	66,959	3/4	82,028	3/4	97,097	3/4	112,165	3/4	127,226	3/4	142,288
6	8,165	6	23,234	6	38,230	6	52,698	6	67,273	6	82,342	6	97,411	6	112,479	6	127,540	6	142,602
1/4	8,479	1/4	23,548	1/4	38,531	1/4	53,000	1/4	67,587	1/4	82,656	1/4	97,725	1/4	112,792	1/4	127,854	1/4	142,916
1/2	8,793	1/2	23,862	1/2	38,833	1/2	53,303	1/2	67,901	1/2	82,970	1/2	98,039	1/2	113,106	1/2	128,168	1/2	143,229
3/4	9,107	3/4	24,176	3/4	39,135	3/4	53,605	3/4	68,215	3/4	83,284	3/4	98,353	3/4	113,420	3/4	128,482	3/4	143,543
7	9,421	7	24,490	7	39,437	7	53,907	7	68,529	7	83,598	7	98,667	7	113,734	7	128,795	7	143,857
1/4	9,735	1/4	24,804	1/4	39,738	1/4	54,209	1/4	68,843	1/4	83,912	1/4	98,981	1/4	114,048	1/4	129,109	1/4	144,171
1/2	10,049	1/2	25,118	1/2	40,039	1/2	54,511	1/2	69,157	1/2	84,226	1/2	99,295	1/2	114,361	1/2	129,423	1/2	144,484
3/4	10,363	3/4	25,432	3/4	40,340	3/4	54,813	3/4	69,471	3/4	84,540	3/4	99,609	3/4	114,675	3/4	129,737	3/4	144,798
8	10,677	8	25,745	8	40,641	8	55,116	8	69,785	8	84,854	8	99,923	8	114,989	8	130,050	8	145,112
1/4	10,991	1/4	26,059	1/4	40,943	1/4	55,418	1/4	70,098	1/4	85,168	1/4	100,237	1/4	115,303	1/4	130,364	1/4	145,426
1/2	11,305	1/2	26,373	1/2	41,244	1/2	55,720	1/2	70,412	1/2	85,481	1/2	100,551	1/2	115,617	1/2	130,678	1/2	145,740
3/4	11,619	3/4	26,687	3/4	41,545	3/4	56,022	3/4	70,726	3/4	85,795	3/4	100,865	3/4	115,930	3/4	130,992	3/4	146,053
9	11,933	9	27,001	9	41,846	9	56,324	9	71,040	9	86,109	9	101,178	9	116,244	9	131,306	9	146,367
1/4	12,246	1/4	27,315	1/4	42,148	1/4	56,626	1/4	71,354	1/4	86,423	1/4	101,492	1/4	116,558	1/4	131,619	1/4	146,681
1/2	12,560	1/2	27,628	1/2	42,449	1/2	56,929	1/2	71,668	1/2	86,737	1/2	101,806	1/2	116,872	1/2	131,933	1/2	146,995
3/4	12,874	3/4	27,942	3/4	42,750	3/4	57,231	3/4	71,982	3/4	87,051	3/4	102,120	3/4	117,185	3/4	132,247	3/4	147,308
10	13,188	10	28,256	10	43,051	10	57,533	10	72,296	10	87,365	10	102,434	10	117,499	10	132,561	10	147,622
1/4	13,502	1/4	28,569	1/4	43,353	1/4	57,835	1/4	72,610	1/4	87,679	1/4	102,748	1/4	117,813	1/4	132,875	1/4	147,936
1/2	13,816	1/2	28,883	1/2	43,654	1/2	58,137	1/2	72,924	1/2	87,993	1/2	103,062	1/2	118,127	1/2	133,188	1/2	148,250
3/4	14,130	3/4	29,197	3/4	43,955	3/4	58,439	3/4	73,238	3/4	88,307	3/4	103,376	3/4	118,441	3/4	133,502	3/4	148,564
11	14,444	11	29,511	11	44,256	11	58,742	11	73,552	11	88,621	11	103,690	11	118,754	11	133,816	11	148,877
1/4	14,758	1/4	29,824	1/4	44,557	1/4	59,044	1/4	73,866	1/4	88,935	1/4	104,004	1/4	119,068	1/4	134,130	1/4	149,191
1/2	15,072	1/2	30,138	1/2	44,859	1/2	59,346	1/2	74,180	1/2	89,249	1/2	104,318	1/2	119,382	1/2	134,443	1/2	149,505
3/4	15,386	3/4	30,452	3/4	45,160	3/4	59,648	3/4	74,494	3/4	89,563	3/4	104,632	3/4	119,696	3/4	134,757	3/4	149,819

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 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
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BARGE "HSM 3000"

2 PORT INNAGE 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	150,133	0	165,194	0	180,245	0	195,255	0	210,169	0		0		0		0		0	
1/4	150,446	1/4	165,508	1/4	180,558	1/4	195,568	1/4	210,449	1/4		1/4		1/4		1/4		1/4	
1/2	150,760	1/2	165,822	1/2	180,870	1/2	195,881	1/2	210,728	1/2		1/2		1/2		1/2		1/2	
3/4	151,074	3/4	166,135	3/4	181,183	3/4	196,193	3/4	211,008	3/4		3/4		3/4		3/4		3/4	
1	151,388	1	166,449	1	181,496	1	196,506	1	211,288	1		1		1		1		1	
1/4	151,701	1/4	166,763	1/4	181,809	1/4	196,819	1/4	211,519	1/4		1/4		1/4		1/4		1/4	
1/2	152,015	1/2	167,077	1/2	182,121	1/2	197,132	1/2	211,751	1/2		1/2		1/2		1/2		1/2	
3/4	152,329	3/4	167,391	3/4	182,434	3/4	197,444	3/4	211,982	3/4		3/4		3/4		3/4		3/4	
2	152,643	2	167,704	2	182,747	2	197,757	2	212,213	2		2		2		2		2	
1/4	152,957	1/4	168,018	1/4	183,059	1/4	198,070	1/4	212,392	1/4		1/4		1/4		1/4		1/4	
1/2	153,270	1/2	168,332	1/2	183,372	1/2	198,382	1/2	212,571	1/2		1/2		1/2		1/2		1/2	
3/4	153,584	3/4	168,646	3/4	183,685	3/4	198,695	3/4	212,750	3/4		3/4		3/4		3/4		3/4	
3	153,898	3	168,959	3	183,998	3	199,008	3	212,929	3		3		3		3		3	
1/4	154,212	1/4	169,273	1/4	184,310	1/4	199,321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,525	1/2	169,587	1/2	184,623	1/2	199,633	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,839	3/4	169,901	3/4	184,936	3/4	199,946	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,153	4	170,215	4	185,248	4	200,259	4		4		4		4		4		4	
1/4	155,467	1/4	170,528	1/4	185,561	1/4	200,572	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,781	1/2	170,842	1/2	185,874	1/2	200,884	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,094	3/4	171,156	3/4	186,187	3/4	201,197	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,408	5	171,470	5	186,499	5	201,510	5		5		5		5		5		5	
1/4	156,722	1/4	171,783	1/4	186,812	1/4	201,821	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,036	1/2	172,097	1/2	187,125	1/2	202,132	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,350	3/4	172,411	3/4	187,437	3/4	202,443	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,663	6	172,725	6	187,750	6	202,754	6		6		6		6		6		6	
1/4	157,977	1/4	173,039	1/4	188,063	1/4	203,064	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,291	1/2	173,352	1/2	188,376	1/2	203,374	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,605	3/4	173,666	3/4	188,688	3/4	203,683	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,918	7	173,980	7	189,001	7	203,993	7		7		7		7		7		7	
1/4	159,232	1/4	174,294	1/4	189,314	1/4	204,303	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,546	1/2	174,608	1/2	189,626	1/2	204,612	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,860	3/4	174,921	3/4	189,939	3/4	204,922	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,174	8	175,235	8	190,252	8	205,232	8		8		8		8		8		8	
1/4	160,487	1/4	175,549	1/4	190,565	1/4	205,541	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,801	1/2	175,863	1/2	190,877	1/2	205,851	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,115	3/4	176,176	3/4	191,190	3/4	206,161	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,429	9	176,490	9	191,503	9	206,471	9		9		9		9		9		9	
1/4	161,742	1/4	176,803	1/4	191,815	1/4	206,780	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,056	1/2	177,117	1/2	192,128	1/2	207,090	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,370	3/4	177,430	3/4	192,441	3/4	207,400	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,684	10	177,743	10	192,754	10	207,709	10		10		10		10		10		10	
1/4	162,998	1/4	178,056	1/4	193,066	1/4	208,019	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,311	1/2	178,369	1/2	193,379	1/2	208,328	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,625	3/4	178,681	3/4	193,692	3/4	208,637	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,939	11	178,994	11	194,004	11	208,947	11		11		11		11		11		11	
1/4	164,253	1/4	179,307	1/4	194,317	1/4	209,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,566	1/2	179,619	1/2	194,630	1/2	209,558	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,880	3/4	179,932	3/4	194,943	3/4	209,863	3/4		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
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BARGE "HSM 3000"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	1,032	0	15,706	0	30,778	0	45,832	0	60,892	0	75,966	0	91,041	0	106,116	0	121,185	0	136,252
1/4	1,268	1/4	16,020	1/4	31,092	1/4	46,145	1/4	61,206	1/4	76,281	1/4	91,355	1/4	106,430	1/4	121,499	1/4	136,566
1/2	1,503	1/2	16,334	1/2	31,406	1/2	46,459	1/2	61,520	1/2	76,595	1/2	91,669	1/2	106,744	1/2	121,813	1/2	136,880
3/4	1,739	3/4	16,648	3/4	31,720	3/4	46,772	3/4	61,834	3/4	76,909	3/4	91,983	3/4	107,058	3/4	122,127	3/4	137,194
1	1,974	1	16,962	1	32,034	1	47,085	1	62,148	1	77,223	1	92,297	1	107,372	1	122,440	1	137,507
1/4	2,268	1/4	17,276	1/4	32,348	1/4	47,398	1/4	62,462	1/4	77,537	1/4	92,611	1/4	107,686	1/4	122,754	1/4	137,821
1/2	2,562	1/2	17,590	1/2	32,663	1/2	47,711	1/2	62,776	1/2	77,851	1/2	92,925	1/2	108,000	1/2	123,068	1/2	138,135
3/4	2,855	3/4	17,904	3/4	32,977	3/4	48,024	3/4	63,090	3/4	78,165	3/4	93,239	3/4	108,314	3/4	123,382	3/4	138,449
2	3,149	2	18,218	2	33,291	2	48,337	2	63,404	2	78,479	2	93,553	2	108,628	2	123,696	2	138,763
1/4	3,462	1/4	18,532	1/4	33,605	1/4	48,651	1/4	63,718	1/4	78,793	1/4	93,868	1/4	108,942	1/4	124,010	1/4	139,077
1/2	3,775	1/2	18,846	1/2	33,919	1/2	48,964	1/2	64,032	1/2	79,107	1/2	94,182	1/2	109,256	1/2	124,324	1/2	139,391
3/4	4,088	3/4	19,161	3/4	34,233	3/4	49,277	3/4	64,346	3/4	79,421	3/4	94,496	3/4	109,570	3/4	124,638	3/4	139,705
3	4,401	3	19,475	3	34,547	3	49,590	3	64,661	3	79,735	3	94,810	3	109,884	3	124,952	3	140,019
1/4	4,715	1/4	19,789	1/4	34,861	1/4	49,904	1/4	64,975	1/4	80,049	1/4	95,124	1/4	110,198	1/4	125,265	1/4	140,332
1/2	5,029	1/2	20,103	1/2	35,175	1/2	50,217	1/2	65,289	1/2	80,363	1/2	95,438	1/2	110,512	1/2	125,579	1/2	140,646
3/4	5,343	3/4	20,417	3/4	35,489	3/4	50,530	3/4	65,603	3/4	80,677	3/4	95,752	3/4	110,826	3/4	125,893	3/4	140,960
4	5,656	4	20,731	4	35,803	4	50,844	4	65,917	4	80,991	4	96,066	4	111,140	4	126,207	4	141,274
1/4	5,970	1/4	21,045	1/4	36,117	1/4	51,157	1/4	66,231	1/4	81,305	1/4	96,380	1/4	111,454	1/4	126,521	1/4	141,588
1/2	6,284	1/2	21,359	1/2	36,431	1/2	51,471	1/2	66,545	1/2	81,619	1/2	96,694	1/2	111,768	1/2	126,835	1/2	141,902
3/4	6,598	3/4	21,673	3/4	36,745	3/4	51,785	3/4	66,859	3/4	81,933	3/4	97,008	3/4	112,082	3/4	127,149	3/4	142,216
5	6,912	5	21,987	5	37,059	5	52,098	5	67,173	5	82,248	5	97,322	5	112,396	5	127,463	5	142,530
1/4	7,227	1/4	22,301	1/4	37,373	1/4	52,412	1/4	67,487	1/4	82,562	1/4	97,636	1/4	112,710	1/4	127,777	1/4	142,844
1/2	7,541	1/2	22,615	1/2	37,687	1/2	52,727	1/2	67,801	1/2	82,876	1/2	97,950	1/2	113,024	1/2	128,091	1/2	143,158
3/4	7,855	3/4	22,929	3/4	38,001	3/4	53,041	3/4	68,115	3/4	83,190	3/4	98,264	3/4	113,337	3/4	128,404	3/4	143,471
6	8,169	6	23,243	6	38,315	6	53,355	6	68,429	6	83,504	6	98,578	6	113,651	6	128,718	6	143,785
1/4	8,483	1/4	23,557	1/4	38,629	1/4	53,669	1/4	68,743	1/4	83,818	1/4	98,892	1/4	113,965	1/4	129,032	1/4	144,099
1/2	8,797	1/2	23,871	1/2	38,943	1/2	53,983	1/2	69,057	1/2	84,132	1/2	99,206	1/2	114,279	1/2	129,346	1/2	144,413
3/4	9,111	3/4	24,185	3/4	39,256	3/4	54,297	3/4	69,371	3/4	84,446	3/4	99,520	3/4	114,593	3/4	129,660	3/4	144,727
7	9,425	7	24,499	7	39,570	7	54,611	7	69,685	7	84,760	7	99,835	7	114,907	7	129,974	7	145,041
1/4	9,739	1/4	24,813	1/4	39,883	1/4	54,925	1/4	69,999	1/4	85,074	1/4	100,149	1/4	115,221	1/4	130,288	1/4	145,355
1/2	10,053	1/2	25,128	1/2	40,196	1/2	55,239	1/2	70,314	1/2	85,388	1/2	100,463	1/2	115,535	1/2	130,602	1/2	145,669
3/4	10,367	3/4	25,442	3/4	40,509	3/4	55,553	3/4	70,628	3/4	85,702	3/4	100,777	3/4	115,849	3/4	130,916	3/4	145,983
8	10,681	8	25,756	8	40,822	8	55,867	8	70,942	8	86,016	8	101,091	8	116,162	8	131,229	8	146,297
1/4	10,995	1/4	26,070	1/4	41,135	1/4	56,181	1/4	71,256	1/4	86,330	1/4	101,405	1/4	116,476	1/4	131,543	1/4	146,610
1/2	11,309	1/2	26,384	1/2	41,449	1/2	56,495	1/2	71,570	1/2	86,644	1/2	101,719	1/2	116,790	1/2	131,857	1/2	146,924
3/4	11,623	3/4	26,698	3/4	41,762	3/4	56,809	3/4	71,884	3/4	86,958	3/4	102,033	3/4	117,104	3/4	132,171	3/4	147,238
9	11,937	9	27,012	9	42,075	9	57,123	9	72,198	9	87,272	9	102,347	9	117,418	9	132,485	9	147,552
1/4	12,251	1/4	27,325	1/4	42,388	1/4	57,437	1/4	72,512	1/4	87,586	1/4	102,661	1/4	117,732	1/4	132,799	1/4	147,866
1/2	12,565	1/2	27,639	1/2	42,701	1/2	57,751	1/2	72,826	1/2	87,901	1/2	102,975	1/2	118,046	1/2	133,113	1/2	148,180
3/4	12,879	3/4	27,953	3/4	43,014	3/4	58,065	3/4	73,140	3/4	88,215	3/4	103,289	3/4	118,360	3/4	133,427	3/4	148,494
10	13,194	10	28,267	10	43,327	10	58,379	10	73,454	10	88,529	10	103,603	10	118,674	10	133,741	10	148,808
1/4	13,508	1/4	28,581	1/4	43,640	1/4	58,694	1/4	73,768	1/4	88,843	1/4	103,917	1/4	118,988	1/4	134,055	1/4	149,122
1/2	13,822	1/2	28,895	1/2	43,954	1/2	59,008	1/2	74,082	1/2	89,157	1/2	104,231	1/2	119,301	1/2	134,368	1/2	149,435
3/4	14,136	3/4	29,208	3/4	44,267	3/4	59,322	3/4	74,396	3/4	89,471	3/4	104,545	3/4	119,615	3/4	134,682	3/4	149,749
11	14,450	11	29,522	11	44,580	11	59,636	11	74,710	11	89,785	11	104,859	11	119,929	11	134,996	11	150,063
1/4	14,764	1/4	29,836	1/4	44,893	1/4	59,950	1/4	75,024	1/4	90,099	1/4	105,173	1/4	120,243	1/4	135,310	1/4	150,377
1/2	15,078	1/2	30,150	1/2	45,206	1/2	60,264	1/2	75,338	1/2	90,413	1/2	105,488	1/2	120,557	1/2	135,624	1/2	150,691
3/4	15,392	3/4	30,464	3/4	45,519	3/4	60,578	3/4	75,652	3/4	90,727	3/4	105,802	3/4	120,871	3/4	135,938	3/4	151,005

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 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
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BARGE "HSM 3000"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	151,319	0	166,386	0	181,442	0	196,458	0	211,377	0		0		0		0		0	
1/4	151,633	1/4	166,700	1/4	181,755	1/4	196,771	1/4	211,657	1/4		1/4		1/4		1/4		1/4	
1/2	151,947	1/2	167,014	1/2	182,068	1/2	197,084	1/2	211,937	1/2		1/2		1/2		1/2		1/2	
3/4	152,261	3/4	167,328	3/4	182,381	3/4	197,397	3/4	212,217	3/4		3/4		3/4		3/4		3/4	
1	152,574	1	167,641	1	182,694	1	197,709	1	212,497	1		1		1		1		1	
1/4	152,888	1/4	167,955	1/4	183,006	1/4	198,022	1/4	212,728	1/4		1/4		1/4		1/4		1/4	
1/2	153,202	1/2	168,269	1/2	183,319	1/2	198,335	1/2	212,960	1/2		1/2		1/2		1/2		1/2	
3/4	153,516	3/4	168,583	3/4	183,632	3/4	198,648	3/4	213,191	3/4		3/4		3/4		3/4		3/4	
2	153,830	2	168,897	2	183,945	2	198,961	2	213,422	2		2		2		2		2	
1/4	154,144	1/4	169,211	1/4	184,258	1/4	199,274	1/4	213,601	1/4		1/4		1/4		1/4		1/4	
1/2	154,458	1/2	169,525	1/2	184,571	1/2	199,586	1/2	213,780	1/2		1/2		1/2		1/2		1/2	
3/4	154,772	3/4	169,839	3/4	184,883	3/4	199,899	3/4	213,959	3/4		3/4		3/4		3/4		3/4	
3	155,086	3	170,153	3	185,196	3	200,212	3	214,138	3		3		3		3		3	
1/4	155,399	1/4	170,466	1/4	185,509	1/4	200,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,713	1/2	170,780	1/2	185,822	1/2	200,838	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,027	3/4	171,094	3/4	186,135	3/4	201,151	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,341	4	171,408	4	186,448	4	201,463	4		4		4		4		4		4	
1/4	156,655	1/4	171,722	1/4	186,760	1/4	201,776	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,969	1/2	172,036	1/2	187,073	1/2	202,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,283	3/4	172,350	3/4	187,386	3/4	202,402	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,597	5	172,664	5	187,699	5	202,715	5		5		5		5		5		5	
1/4	157,911	1/4	172,978	1/4	188,012	1/4	203,026	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,225	1/2	173,292	1/2	188,324	1/2	203,337	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,538	3/4	173,605	3/4	188,637	3/4	203,649	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,852	6	173,919	6	188,950	6	203,960	6		6		6		6		6		6	
1/4	159,166	1/4	174,233	1/4	189,263	1/4	204,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,480	1/2	174,547	1/2	189,576	1/2	204,579	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,794	3/4	174,861	3/4	189,889	3/4	204,889	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,108	7	175,175	7	190,201	7	205,199	7		7		7		7		7		7	
1/4	160,422	1/4	175,489	1/4	190,514	1/4	205,509	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,736	1/2	175,803	1/2	190,827	1/2	205,818	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,050	3/4	176,117	3/4	191,140	3/4	206,128	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,364	8	176,431	8	191,453	8	206,438	8		8		8		8		8		8	
1/4	161,677	1/4	176,744	1/4	191,766	1/4	206,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,991	1/2	177,058	1/2	192,078	1/2	207,058	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,305	3/4	177,372	3/4	192,391	3/4	207,368	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,619	9	177,686	9	192,704	9	207,678	9		9		9		9		9		9	
1/4	162,933	1/4	177,999	1/4	193,017	1/4	207,987	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,247	1/2	178,313	1/2	193,330	1/2	208,297	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,561	3/4	178,626	3/4	193,643	3/4	208,607	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,875	10	178,940	10	193,955	10	208,917	10		10		10		10		10		10	
1/4	164,189	1/4	179,252	1/4	194,268	1/4	209,226	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,502	1/2	179,565	1/2	194,581	1/2	209,536	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,816	3/4	179,878	3/4	194,894	3/4	209,845	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,130	11	180,191	11	195,207	11	210,154	11		11		11		11		11		11	
1/4	165,444	1/4	180,504	1/4	195,520	1/4	210,460	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,758	1/2	180,817	1/2	195,832	1/2	210,766	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,072	3/4	181,129	3/4	196,145	3/4	211,071	3/4		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.
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BARGE "HSM 3000"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	1,028	0	15,632	0	30,620	0	45,379	0	59,936	0	74,845	0	89,810	0	104,787	0	119,754	0	134,718
1/4	1,263	1/4	15,945	1/4	30,932	1/4	45,681	1/4	60,247	1/4	75,155	1/4	90,122	1/4	105,099	1/4	120,066	1/4	135,030
1/2	1,497	1/2	16,257	1/2	31,245	1/2	45,983	1/2	60,559	1/2	75,465	1/2	90,434	1/2	105,411	1/2	120,378	1/2	135,342
3/4	1,732	3/4	16,569	3/4	31,557	3/4	46,284	3/4	60,871	3/4	75,775	3/4	90,746	3/4	105,724	3/4	120,690	3/4	135,653
1	1,966	1	16,881	1	31,869	1	46,586	1	61,183	1	76,086	1	91,058	1	106,036	1	121,001	1	135,965
1/4	2,259	1/4	17,194	1/4	32,182	1/4	46,888	1/4	61,495	1/4	76,396	1/4	91,369	1/4	106,348	1/4	121,313	1/4	136,277
1/2	2,551	1/2	17,506	1/2	32,494	1/2	47,190	1/2	61,807	1/2	76,706	1/2	91,681	1/2	106,660	1/2	121,625	1/2	136,589
3/4	2,844	3/4	17,818	3/4	32,806	3/4	47,492	3/4	62,119	3/4	77,016	3/4	91,993	3/4	106,972	3/4	121,937	3/4	136,900
2	3,136	2	18,131	2	33,118	2	47,794	2	62,431	2	77,327	2	92,305	2	107,284	2	122,248	2	137,212
1/4	3,448	1/4	18,443	1/4	33,431	1/4	48,096	1/4	62,742	1/4	77,638	1/4	92,617	1/4	107,596	1/4	122,560	1/4	137,524
1/2	3,760	1/2	18,755	1/2	33,743	1/2	48,399	1/2	63,053	1/2	77,949	1/2	92,929	1/2	107,908	1/2	122,872	1/2	137,836
3/4	4,071	3/4	19,067	3/4	34,055	3/4	48,701	3/4	63,364	3/4	78,260	3/4	93,241	3/4	108,219	3/4	123,183	3/4	138,147
3	4,383	3	19,380	3	34,368	3	49,004	3	63,675	3	78,572	3	93,553	3	108,531	3	123,495	3	138,459
1/4	4,696	1/4	19,692	1/4	34,679	1/4	49,306	1/4	63,985	1/4	78,884	1/4	93,865	1/4	108,843	1/4	123,807	1/4	138,771
1/2	5,008	1/2	20,004	1/2	34,991	1/2	49,609	1/2	64,296	1/2	79,196	1/2	94,177	1/2	109,155	1/2	124,119	1/2	139,083
3/4	5,321	3/4	20,317	3/4	35,303	3/4	49,911	3/4	64,606	3/4	79,508	3/4	94,489	3/4	109,467	3/4	124,430	3/4	139,394
4	5,633	4	20,629	4	35,615	4	50,213	4	64,916	4	79,821	4	94,800	4	109,778	4	124,742	4	139,706
1/4	5,945	1/4	20,941	1/4	35,923	1/4	50,516	1/4	65,227	1/4	80,133	1/4	95,112	1/4	110,090	1/4	125,054	1/4	140,018
1/2	6,258	1/2	21,253	1/2	36,231	1/2	50,818	1/2	65,537	1/2	80,445	1/2	95,424	1/2	110,402	1/2	125,366	1/2	140,329
3/4	6,570	3/4	21,566	3/4	36,539	3/4	51,121	3/4	65,847	3/4	80,757	3/4	95,736	3/4	110,714	3/4	125,677	3/4	140,641
5	6,883	5	21,878	5	36,847	5	51,423	5	66,157	5	81,069	5	96,048	5	111,025	5	125,989	5	140,953
1/4	7,195	1/4	22,190	1/4	37,152	1/4	51,726	1/4	66,468	1/4	81,382	1/4	96,360	1/4	111,337	1/4	126,301	1/4	141,264
1/2	7,508	1/2	22,503	1/2	37,457	1/2	52,028	1/2	66,778	1/2	81,694	1/2	96,672	1/2	111,649	1/2	126,613	1/2	141,576
3/4	7,820	3/4	22,815	3/4	37,762	3/4	52,330	3/4	67,088	3/4	82,006	3/4	96,984	3/4	111,961	3/4	126,924	3/4	141,887
6	8,133	6	23,127	6	38,067	6	52,633	6	67,398	6	82,318	6	97,296	6	112,272	6	127,236	6	142,199
1/4	8,446	1/4	23,439	1/4	38,372	1/4	52,935	1/4	67,709	1/4	82,631	1/4	97,608	1/4	112,584	1/4	127,548	1/4	142,506
1/2	8,758	1/2	23,752	1/2	38,677	1/2	53,238	1/2	68,019	1/2	82,943	1/2	97,920	1/2	112,896	1/2	127,860	1/2	142,813
3/4	9,071	3/4	24,064	3/4	38,982	3/4	53,540	3/4	68,329	3/4	83,255	3/4	98,232	3/4	113,208	3/4	128,171	3/4	143,120
7	9,384	7	24,376	7	39,287	7	53,843	7	68,639	7	83,567	7	98,544	7	113,519	7	128,483	7	143,427
1/4	9,696	1/4	24,689	1/4	39,592	1/4	54,145	1/4	68,950	1/4	83,880	1/4	98,856	1/4	113,831	1/4	128,795	1/4	143,721
1/2	10,009	1/2	25,001	1/2	39,897	1/2	54,447	1/2	69,260	1/2	84,192	1/2	99,168	1/2	114,143	1/2	129,107	1/2	144,016
3/4	10,322	3/4	25,313	3/4	40,202	3/4	54,750	3/4	69,570	3/4	84,504	3/4	99,480	3/4	114,455	3/4	129,418	3/4	144,311
8	10,635	8	25,626	8	40,507	8	55,052	8	69,880	8	84,816	8	99,793	8	114,766	8	129,730	8	144,605
1/4	10,947	1/4	25,938	1/4	40,812	1/4	55,355	1/4	70,191	1/4	85,128	1/4	100,105	1/4	115,078	1/4	130,042	1/4	144,884
1/2	11,260	1/2	26,250	1/2	41,117	1/2	55,657	1/2	70,501	1/2	85,441	1/2	100,417	1/2	115,390	1/2	130,354	1/2	145,162
3/4	11,572	3/4	26,562	3/4	41,422	3/4	55,960	3/4	70,811	3/4	85,753	3/4	100,729	3/4	115,702	3/4	130,665	3/4	145,441
9	11,885	9	26,874	9	41,726	9	56,262	9	71,121	9	86,065	9	101,041	9	116,013	9	130,977	9	145,719
1/4	12,197	1/4	27,187	1/4	42,031	1/4	56,566	1/4	71,432	1/4	86,377	1/4	101,353	1/4	116,325	1/4	131,289	1/4	145,982
1/2	12,509	1/2	27,499	1/2	42,336	1/2	56,870	1/2	71,742	1/2	86,690	1/2	101,665	1/2	116,637	1/2	131,601	1/2	146,245
3/4	12,822	3/4	27,811	3/4	42,641	3/4	57,174	3/4	72,052	3/4	87,002	3/4	101,978	3/4	116,949	3/4	131,912	3/4	146,508
10	13,134	10	28,123	10	42,946	10	57,478	10	72,363	10	87,314	10	102,290	10	117,260	10	132,224	10	146,771
1/4	13,446	1/4	28,435	1/4	43,251	1/4	57,784	1/4	72,673	1/4	87,626	1/4	102,602	1/4	117,572	1/4	132,536	1/4	147,018
1/2	13,759	1/2	28,747	1/2	43,556	1/2	58,089	1/2	72,983	1/2	87,938	1/2	102,914	1/2	117,884	1/2	132,848	1/2	147,265
3/4	14,071	3/4	29,059	3/4	43,861	3/4	58,395	3/4	73,293	3/4	88,250	3/4	103,226	3/4	118,196	3/4	133,159	3/4	147,513
11	14,383	11	29,371	11	44,166	11	58,700	11	73,604	11	88,562	11	103,538	11	118,507	11	133,471	11	147,760
1/4	14,695	1/4	29,684	1/4	44,469	1/4	59,009	1/4	73,914	1/4	88,874	1/4	103,851	1/4	118,819	1/4	133,783	1/4	147,991
1/2	15,008	1/2	29,996	1/2	44,773	1/2	59,318	1/2	74,224	1/2	89,186	1/2	104,163	1/2	119,131	1/2	134,095	1/2	148,222
3/4	15,320	3/4	30,308	3/4	45,076	3/4	59,627	3/4	74,534	3/4	89,498	3/4	104,475	3/4	119,443	3/4	134,406	3/4	148,453

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 THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3000"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	148,684	0	159,065	0	169,425	0	179,756	0	190,072	0		0		0		0		0	
1/4	148,904	1/4	159,281	1/4	169,640	1/4	179,971	1/4	190,265	1/4		1/4		1/4		1/4		1/4	
1/2	149,123	1/2	159,497	1/2	169,855	1/2	180,186	1/2	190,458	1/2		1/2		1/2		1/2		1/2	
3/4	149,343	3/4	159,713	3/4	170,071	3/4	180,401	3/4	190,651	3/4		3/4		3/4		3/4		3/4	
1	149,562	1	159,929	1	170,286	1	180,617	1	190,844	1		1		1		1		1	
1/4	149,778	1/4	160,145	1/4	170,501	1/4	180,832	1/4	191,004	1/4		1/4		1/4		1/4		1/4	
1/2	149,994	1/2	160,361	1/2	170,716	1/2	181,047	1/2	191,163	1/2		1/2		1/2		1/2		1/2	
3/4	150,210	3/4	160,577	3/4	170,932	3/4	181,262	3/4	191,323	3/4		3/4		3/4		3/4		3/4	
2	150,426	2	160,793	2	171,147	2	181,478	2	191,483	2		2		2		2		2	
1/4	150,642	1/4	161,009	1/4	171,362	1/4	181,693	1/4	191,606	1/4		1/4		1/4		1/4		1/4	
1/2	150,858	1/2	161,225	1/2	171,577	1/2	181,908	1/2	191,730	1/2		1/2		1/2		1/2		1/2	
3/4	151,074	3/4	161,441	3/4	171,792	3/4	182,123	3/4	191,854	3/4		3/4		3/4		3/4		3/4	
3	151,290	3	161,657	3	172,008	3	182,338	3	191,977	3		3		3		3		3	
1/4	151,506	1/4	161,873	1/4	172,223	1/4	182,554	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,722	1/2	162,089	1/2	172,438	1/2	182,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,938	3/4	162,305	3/4	172,653	3/4	182,984	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,154	4	162,521	4	172,869	4	183,199	4		4		4		4		4		4	
1/4	152,370	1/4	162,737	1/4	173,084	1/4	183,415	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,586	1/2	162,953	1/2	173,299	1/2	183,630	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,802	3/4	163,169	3/4	173,514	3/4	183,845	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,018	5	163,385	5	173,729	5	184,060	5		5		5		5		5		5	
1/4	153,234	1/4	163,601	1/4	173,945	1/4	184,275	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,450	1/2	163,817	1/2	174,160	1/2	184,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,666	3/4	164,033	3/4	174,375	3/4	184,706	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,882	6	164,249	6	174,590	6	184,921	6		6		6		6		6		6	
1/4	154,098	1/4	164,465	1/4	174,806	1/4	185,136	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,314	1/2	164,681	1/2	175,021	1/2	185,352	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,530	3/4	164,897	3/4	175,236	3/4	185,567	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,746	7	165,113	7	175,451	7	185,782	7		7		7		7		7		7	
1/4	154,962	1/4	165,329	1/4	175,666	1/4	185,997	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,178	1/2	165,545	1/2	175,882	1/2	186,213	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,394	3/4	165,761	3/4	176,097	3/4	186,428	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,610	8	165,977	8	176,312	8	186,643	8		8		8		8		8		8	
1/4	155,826	1/4	166,193	1/4	176,527	1/4	186,858	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,042	1/2	166,409	1/2	176,743	1/2	187,074	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,258	3/4	166,625	3/4	176,958	3/4	187,289	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,474	9	166,841	9	177,173	9	187,504	9		9		9		9		9		9	
1/4	156,690	1/4	167,056	1/4	177,388	1/4	187,720	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,906	1/2	167,272	1/2	177,603	1/2	187,935	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,121	3/4	167,488	3/4	177,819	3/4	188,150	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,337	10	167,703	10	178,034	10	188,366	10		10		10		10		10		10	
1/4	157,553	1/4	167,918	1/4	178,249	1/4	188,581	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,769	1/2	168,134	1/2	178,464	1/2	188,796	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,985	3/4	168,349	3/4	178,680	3/4	189,011	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,201	11	168,564	11	178,895	11	189,225	11		11		11		11		11		11	
1/4	158,417	1/4	168,779	1/4	179,110	1/4	189,437	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,633	1/2	168,995	1/2	179,325	1/2	189,649	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,849	3/4	169,210	3/4	179,541	3/4	189,860	3/4		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
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BARGE "HSM 3000"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	1,027	0	15,626	0	30,625	0	45,607	0	60,604	0	75,603	0	90,601	0	105,600	0	120,582	0	135,561
1/4	1,261	1/4	15,939	1/4	30,937	1/4	45,919	1/4	60,916	1/4	75,915	1/4	90,914	1/4	105,912	1/4	120,894	1/4	135,873
1/2	1,496	1/2	16,251	1/2	31,250	1/2	46,231	1/2	61,229	1/2	76,227	1/2	91,226	1/2	106,225	1/2	121,206	1/2	136,185
3/4	1,730	3/4	16,564	3/4	31,562	3/4	46,543	3/4	61,541	3/4	76,540	3/4	91,539	3/4	106,537	3/4	121,518	3/4	136,497
1	1,964	1	16,876	1	31,874	1	46,856	1	61,854	1	76,852	1	91,851	1	106,850	1	121,830	1	136,809
1/4	2,256	1/4	17,189	1/4	32,187	1/4	47,168	1/4	62,166	1/4	77,165	1/4	92,164	1/4	107,162	1/4	122,142	1/4	137,121
1/2	2,549	1/2	17,501	1/2	32,499	1/2	47,480	1/2	62,479	1/2	77,477	1/2	92,476	1/2	107,474	1/2	122,454	1/2	137,433
3/4	2,841	3/4	17,814	3/4	32,812	3/4	47,793	3/4	62,791	3/4	77,790	3/4	92,788	3/4	107,787	3/4	122,766	3/4	137,745
2	3,133	2	18,126	2	33,124	2	48,105	2	63,104	2	78,102	2	93,101	2	108,099	2	123,078	2	138,057
1/4	3,444	1/4	18,439	1/4	33,437	1/4	48,417	1/4	63,416	1/4	78,415	1/4	93,413	1/4	108,411	1/4	123,390	1/4	138,369
1/2	3,756	1/2	18,751	1/2	33,749	1/2	48,730	1/2	63,729	1/2	78,727	1/2	93,726	1/2	108,723	1/2	123,702	1/2	138,681
3/4	4,067	3/4	19,064	3/4	34,062	3/4	49,042	3/4	64,041	3/4	79,040	3/4	94,038	3/4	109,035	3/4	124,014	3/4	138,993
3	4,379	3	19,376	3	34,374	3	49,355	3	64,354	3	79,352	3	94,351	3	109,348	3	124,327	3	139,305
1/4	4,691	1/4	19,688	1/4	34,686	1/4	49,667	1/4	64,666	1/4	79,665	1/4	94,663	1/4	109,660	1/4	124,639	1/4	139,617
1/2	5,003	1/2	20,001	1/2	34,999	1/2	49,980	1/2	64,978	1/2	79,977	1/2	94,976	1/2	109,972	1/2	124,951	1/2	139,929
3/4	5,316	3/4	20,313	3/4	35,311	3/4	50,292	3/4	65,291	3/4	80,290	3/4	95,288	3/4	110,284	3/4	125,263	3/4	140,241
4	5,628	4	20,626	4	35,623	4	50,605	4	65,603	4	80,602	4	95,601	4	110,596	4	125,575	4	140,553
1/4	5,940	1/4	20,938	1/4	35,935	1/4	50,917	1/4	65,916	1/4	80,915	1/4	95,913	1/4	110,908	1/4	125,887	1/4	140,865
1/2	6,253	1/2	21,251	1/2	36,247	1/2	51,230	1/2	66,228	1/2	81,227	1/2	96,226	1/2	111,220	1/2	126,199	1/2	141,177
3/4	6,565	3/4	21,563	3/4	36,559	3/4	51,542	3/4	66,541	3/4	81,539	3/4	96,538	3/4	111,532	3/4	126,511	3/4	141,489
5	6,877	5	21,876	5	36,871	5	51,855	5	66,853	5	81,852	5	96,851	5	111,844	5	126,823	5	141,801
1/4	7,190	1/4	22,188	1/4	37,183	1/4	52,167	1/4	67,166	1/4	82,164	1/4	97,163	1/4	112,156	1/4	127,135	1/4	142,113
1/2	7,502	1/2	22,501	1/2	37,495	1/2	52,480	1/2	67,478	1/2	82,477	1/2	97,476	1/2	112,468	1/2	127,447	1/2	142,425
3/4	7,815	3/4	22,813	3/4	37,807	3/4	52,792	3/4	67,791	3/4	82,789	3/4	97,788	3/4	112,780	3/4	127,759	3/4	142,737
6	8,127	6	23,126	6	38,119	6	53,105	6	68,103	6	83,102	6	98,100	6	113,093	6	128,071	6	143,048
1/4	8,440	1/4	23,438	1/4	38,431	1/4	53,417	1/4	68,416	1/4	83,414	1/4	98,413	1/4	113,405	1/4	128,383	1/4	143,356
1/2	8,752	1/2	23,750	1/2	38,743	1/2	53,729	1/2	68,728	1/2	83,727	1/2	98,725	1/2	113,717	1/2	128,695	1/2	143,663
3/4	9,065	3/4	24,063	3/4	39,055	3/4	54,042	3/4	69,041	3/4	84,039	3/4	99,038	3/4	114,029	3/4	129,007	3/4	143,970
7	9,377	7	24,375	7	39,367	7	54,354	7	69,353	7	84,352	7	99,350	7	114,341	7	129,319	7	144,278
1/4	9,690	1/4	24,688	1/4	39,679	1/4	54,667	1/4	69,666	1/4	84,664	1/4	99,663	1/4	114,653	1/4	129,631	1/4	144,573
1/2	10,002	1/2	25,000	1/2	39,991	1/2	54,979	1/2	69,978	1/2	84,977	1/2	99,975	1/2	114,965	1/2	129,944	1/2	144,868
3/4	10,315	3/4	25,313	3/4	40,303	3/4	55,292	3/4	70,290	3/4	85,289	3/4	100,288	3/4	115,277	3/4	130,256	3/4	145,163
8	10,627	8	25,625	8	40,615	8	55,604	8	70,603	8	85,602	8	100,600	8	115,589	8	130,568	8	145,458
1/4	10,939	1/4	25,938	1/4	40,927	1/4	55,917	1/4	70,915	1/4	85,914	1/4	100,913	1/4	115,901	1/4	130,880	1/4	145,737
1/2	11,252	1/2	26,250	1/2	41,239	1/2	56,229	1/2	71,228	1/2	86,227	1/2	101,225	1/2	116,213	1/2	131,192	1/2	146,015
3/4	11,564	3/4	26,563	3/4	41,551	3/4	56,542	3/4	71,540	3/4	86,539	3/4	101,538	3/4	116,525	3/4	131,504	3/4	146,294
9	11,877	9	26,875	9	41,863	9	56,854	9	71,853	9	86,852	9	101,850	9	116,837	9	131,816	9	146,573
1/4	12,189	1/4	27,188	1/4	42,175	1/4	57,167	1/4	72,165	1/4	87,164	1/4	102,163	1/4	117,149	1/4	132,128	1/4	146,836
1/2	12,502	1/2	27,500	1/2	42,487	1/2	57,479	1/2	72,478	1/2	87,476	1/2	102,475	1/2	117,461	1/2	132,440	1/2	147,099
3/4	12,814	3/4	27,812	3/4	42,799	3/4	57,792	3/4	72,790	3/4	87,789	3/4	102,788	3/4	117,773	3/4	132,752	3/4	147,362
10	13,127	10	28,125	10	43,111	10	58,104	10	73,103	10	88,101	10	103,100	10	118,085	10	133,064	10	147,625
1/4	13,439	1/4	28,437	1/4	43,422	1/4	58,417	1/4	73,415	1/4	88,414	1/4	103,413	1/4	118,397	1/4	133,376	1/4	147,872
1/2	13,752	1/2	28,750	1/2	43,734	1/2	58,729	1/2	73,728	1/2	88,726	1/2	103,725	1/2	118,710	1/2	133,688	1/2	148,119
3/4	14,064	3/4	29,062	3/4	44,046	3/4	59,041	3/4	74,040	3/4	89,039	3/4	104,037	3/4	119,022	3/4	134,000	3/4	148,366
11	14,377	11	29,375	11	44,358	11	59,354	11	74,353	11	89,351	11	104,350	11	119,334	11	134,312	11	148,613
1/4	14,689	1/4	29,687	1/4	44,671	1/4	59,666	1/4	74,665	1/4	89,664	1/4	104,662	1/4	119,646	1/4	134,624	1/4	148,844
1/2	15,002	1/2	30,000	1/2	44,983	1/2	59,979	1/2	74,978	1/2	89,976	1/2	104,975	1/2	119,958	1/2	134,936	1/2	149,075
3/4	15,314	3/4	30,312	3/4	45,295	3/4	60,291	3/4	75,290	3/4	90,289	3/4	105,287	3/4	120,270	3/4	135,248	3/4	149,306

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 THREADS ON "MMC" VALVE.
 GAUGE POINT: (MMC) LOCATED 10'-09" OFF CENTERLINE AND 42'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
 & ANALYSIS, INC.
 P.O. Box 2092
 Pearland, Texas 77588
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BARGE "HSM 3000"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 04 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	149,536	0	159,905	0	170,253	0	180,571	0	190,875	0		0		0		0		0	
1/4	149,756	1/4	160,121	1/4	170,468	1/4	180,786	1/4	191,068	1/4		1/4		1/4		1/4		1/4	
1/2	149,975	1/2	160,337	1/2	170,683	1/2	181,001	1/2	191,260	1/2		1/2		1/2		1/2		1/2	
3/4	150,194	3/4	160,553	3/4	170,898	3/4	181,216	3/4	191,453	3/4		3/4		3/4		3/4		3/4	
1	150,414	1	160,768	1	171,113	1	181,431	1	191,646	1		1		1		1		1	
1/4	150,629	1/4	160,984	1/4	171,327	1/4	181,646	1/4	191,806	1/4		1/4		1/4		1/4		1/4	
1/2	150,845	1/2	161,200	1/2	171,542	1/2	181,861	1/2	191,965	1/2		1/2		1/2		1/2		1/2	
3/4	151,061	3/4	161,416	3/4	171,757	3/4	182,076	3/4	192,124	3/4		3/4		3/4		3/4		3/4	
2	151,276	2	161,631	2	171,972	2	182,291	2	192,284	2		2		2		2		2	
1/4	151,492	1/4	161,847	1/4	172,187	1/4	182,506	1/4	192,407	1/4		1/4		1/4		1/4		1/4	
1/2	151,708	1/2	162,063	1/2	172,402	1/2	182,721	1/2	192,531	1/2		1/2		1/2		1/2		1/2	
3/4	151,924	3/4	162,278	3/4	172,617	3/4	182,936	3/4	192,654	3/4		3/4		3/4		3/4		3/4	
3	152,139	3	162,494	3	172,832	3	183,151	3	192,778	3		3		3		3		3	
1/4	152,355	1/4	162,710	1/4	173,047	1/4	183,366	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,571	1/2	162,926	1/2	173,262	1/2	183,581	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,786	3/4	163,141	3/4	173,477	3/4	183,795	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,002	4	163,357	4	173,692	4	184,010	4		4		4		4		4		4	
1/4	153,218	1/4	163,573	1/4	173,907	1/4	184,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,434	1/2	163,788	1/2	174,122	1/2	184,440	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,649	3/4	164,004	3/4	174,337	3/4	184,655	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,865	5	164,220	5	174,552	5	184,870	5		5		5		5		5		5	
1/4	154,081	1/4	164,436	1/4	174,767	1/4	185,085	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,297	1/2	164,651	1/2	174,982	1/2	185,300	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,512	3/4	164,867	3/4	175,197	3/4	185,515	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,728	6	165,083	6	175,412	6	185,730	6		6		6		6		6		6	
1/4	154,944	1/4	165,299	1/4	175,627	1/4	185,945	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,159	1/2	165,514	1/2	175,842	1/2	186,160	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,375	3/4	165,730	3/4	176,057	3/4	186,375	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,591	7	165,946	7	176,272	7	186,590	7		7		7		7		7		7	
1/4	155,807	1/4	166,161	1/4	176,487	1/4	186,805	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,022	1/2	166,377	1/2	176,702	1/2	187,020	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,238	3/4	166,593	3/4	176,917	3/4	187,235	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,454	8	166,809	8	177,132	8	187,450	8		8		8		8		8		8	
1/4	156,670	1/4	167,024	1/4	177,347	1/4	187,665	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,885	1/2	167,240	1/2	177,561	1/2	187,880	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,101	3/4	167,456	3/4	177,776	3/4	188,095	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,317	9	167,672	9	177,991	9	188,310	9		9		9		9		9		9	
1/4	157,532	1/4	167,887	1/4	178,206	1/4	188,525	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,748	1/2	168,102	1/2	178,421	1/2	188,740	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,964	3/4	168,318	3/4	178,636	3/4	188,955	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,180	10	168,533	10	178,851	10	189,170	10		10		10		10		10		10	
1/4	158,395	1/4	168,748	1/4	179,066	1/4	189,385	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,611	1/2	168,963	1/2	179,281	1/2	189,600	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,827	3/4	169,178	3/4	179,496	3/4	189,815	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,043	11	169,393	11	179,711	11	190,029	11		11		11		11		11		11	
1/4	159,258	1/4	169,608	1/4	179,926	1/4	190,241	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,474	1/2	169,823	1/2	180,141	1/2	190,452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,690	3/4	170,038	3/4	180,356	3/4	190,663	3/4		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

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& ANALYSIS, INC.
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BARGE "HSM 3000"

PORT SLOP TANK

INNAGE 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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4		3/4		3/4	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1		1		1	
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4		3/4		3/4	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2		2		2	
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4		3/4		3/4	
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3		3		3	
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4		1/4		1/4	
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4		3/4		3/4	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4		4		4	
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4		1/4		1/4	
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2		1/2		1/2	
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4		3/4		3/4	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5		5		5	
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6		6		6	
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4		3/4		3/4	
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7		7		7	
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4		3/4		3/4	
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8		8		8	
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4		3/4		3/4	
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9		9		9	
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10		10		10	
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11		11		11	
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4		3/4		3/4	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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BARGE "HSM 3000"

STBD SLOP TANK

INNAGE 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	96	0	1,251	0	2,406	0	3,560	0	4,715	0		0		0		0		0	
1/4	120	1/4	1,275	1/4	2,430	1/4	3,584	1/4	4,739	1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,299	1/2	2,454	1/2	3,608	1/2	4,762	1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,323	3/4	2,478	3/4	3,632	3/4	4,786	3/4		3/4		3/4		3/4		3/4	
1	193	1	1,347	1	2,502	1	3,656	1	4,810	1		1		1		1		1	
1/4	217	1/4	1,371	1/4	2,526	1/4	3,680	1/4	4,833	1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,395	1/2	2,550	1/2	3,704	1/2	4,857	1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	1,419	3/4	2,574	3/4	3,728	3/4	4,881	3/4		3/4		3/4		3/4		3/4	
2	289	2	1,444	2	2,597	2	3,752	2	4,904	2		2		2		2		2	
1/4	313	1/4	1,468	1/4	2,622	1/4	3,776	1/4	4,928	1/4		1/4		1/4		1/4		1/4	
1/2	337	1/2	1,492	1/2	2,646	1/2	3,800	1/2	4,952	1/2		1/2		1/2		1/2		1/2	
3/4	361	3/4	1,516	3/4	2,670	3/4	3,825	3/4	4,975	3/4		3/4		3/4		3/4		3/4	
3	385	3	1,540	3	2,694	3	3,849	3	4,999	3		3		3		3		3	
1/4	409	1/4	1,564	1/4	2,718	1/4	3,873	1/4	5,023	1/4		1/4		1/4		1/4		1/4	
1/2	433	1/2	1,588	1/2	2,742	1/2	3,897	1/2	5,046	1/2		1/2		1/2		1/2		1/2	
3/4	457	3/4	1,612	3/4	2,766	3/4	3,921	3/4	5,070	3/4		3/4		3/4		3/4		3/4	
4	481	4	1,636	4	2,790	4	3,945	4	5,093	4		4		4		4		4	
1/4	505	1/4	1,660	1/4	2,814	1/4	3,969	1/4	5,105	1/4		1/4		1/4		1/4		1/4	
1/2	529	1/2	1,684	1/2	2,838	1/2	3,993	1/2	5,117	1/2		1/2		1/2		1/2		1/2	
3/4	553	3/4	1,708	3/4	2,862	3/4	4,017	3/4	5,128	3/4		3/4		3/4		3/4		3/4	
5	578	5	1,732	5	2,886	5	4,041	5	5,140	5		5		5		5		5	
1/4	602	1/4	1,756	1/4	2,910	1/4	4,065	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	626	1/2	1,780	1/2	2,934	1/2	4,089	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	650	3/4	1,805	3/4	2,958	3/4	4,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	674	6	1,829	6	2,982	6	4,137	6		6		6		6		6		6	
1/4	698	1/4	1,853	1/4	3,006	1/4	4,161	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	722	1/2	1,877	1/2	3,030	1/2	4,185	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	746	3/4	1,901	3/4	3,054	3/4	4,210	3/4		3/4		3/4		3/4		3/4		3/4	
7	770	7	1,925	7	3,079	7	4,234	7		7		7		7		7		7	
1/4	794	1/4	1,949	1/4	3,103	1/4	4,258	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	818	1/2	1,973	1/2	3,127	1/2	4,282	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	842	3/4	1,997	3/4	3,151	3/4	4,306	3/4		3/4		3/4		3/4		3/4		3/4	
8	866	8	2,021	8	3,175	8	4,330	8		8		8		8		8		8	
1/4	890	1/4	2,045	1/4	3,199	1/4	4,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	914	1/2	2,069	1/2	3,223	1/2	4,378	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	938	3/4	2,093	3/4	3,247	3/4	4,402	3/4		3/4		3/4		3/4		3/4		3/4	
9	963	9	2,117	9	3,271	9	4,426	9		9		9		9		9		9	
1/4	987	1/4	2,141	1/4	3,295	1/4	4,450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,011	1/2	2,165	1/2	3,319	1/2	4,474	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,035	3/4	2,190	3/4	3,343	3/4	4,498	3/4		3/4		3/4		3/4		3/4		3/4	
10	1,059	10	2,214	10	3,367	10	4,522	10		10		10		10		10		10	
1/4	1,083	1/4	2,238	1/4	3,391	1/4	4,546	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,107	1/2	2,262	1/2	3,415	1/2	4,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,131	3/4	2,286	3/4	3,440	3/4	4,595	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,155	11	2,310	11	3,464	11	4,619	11		11		11		11		11		11	
1/4	1,179	1/4	2,334	1/4	3,488	1/4	4,643	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,203	1/2	2,358	1/2	3,512	1/2	4,667	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,227	3/4	2,382	3/4	3,536	3/4	4,691	3/4		3/4		3/4		3/4		3/4		3/4	

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



BARGE "HSM 3000"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 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	0	0	99	0	254	0	406	0		0		0		0		0		0	
1/4	1	1/4	102	1/4	257	1/4	409	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	105	1/2	260	1/2	411	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	108	3/4	264	3/4	414	3/4		3/4		3/4		3/4		3/4		3/4	
1	3	1	111	1	267	1	417	1		1		1		1		1		1	
1/4	4	1/4	114	1/4	270	1/4	420	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	5	1/2	117	1/2	274	1/2	422	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	6	3/4	120	3/4	277	3/4	425	3/4		3/4		3/4		3/4		3/4		3/4	
2	7	2	123	2	280	2	428	2		2		2		2		2		2	
1/4	9	1/4	126	1/4	284	1/4	430	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	10	1/2	130	1/2	287	1/2	433	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	12	3/4	133	3/4	290	3/4	435	3/4		3/4		3/4		3/4		3/4		3/4	
3	13	3	136	3	294	3	438	3		3		3		3		3		3	
1/4	15	1/4	139	1/4	297	1/4	441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	17	1/2	142	1/2	300	1/2	443	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	19	3/4	145	3/4	303	3/4	445	3/4		3/4		3/4		3/4		3/4		3/4	
4	20	4	148	4	307	4	448	4		4		4		4		4		4	
1/4	22	1/4	152	1/4	310	1/4	450	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	24	1/2	155	1/2	313	1/2	452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	26	3/4	158	3/4	317	3/4	455	3/4		3/4		3/4		3/4		3/4		3/4	
5	28	5	161	5	320	5	457	5		5		5		5		5		5	
1/4	30	1/4	164	1/4	323	1/4	459	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	32	1/2	168	1/2	326	1/2	461	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	35	3/4	171	3/4	330	3/4	464	3/4		3/4		3/4		3/4		3/4		3/4	
6	37	6	174	6	333	6	466	6		6		6		6		6		6	
1/4	39	1/4	177	1/4	336	1/4	468	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	41	1/2	181	1/2	339	1/2	470	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	44	3/4	184	3/4	342	3/4	472	3/4		3/4		3/4		3/4		3/4		3/4	
7	46	7	187	7	346	7	474	7		7		7		7		7		7	
1/4	48	1/4	190	1/4	349	1/4	475	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	51	1/2	194	1/2	352	1/2	477	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	53	3/4	197	3/4	355	3/4	479	3/4		3/4		3/4		3/4		3/4		3/4	
8	56	8	200	8	358	8	481	8		8		8		8		8		8	
1/4	58	1/4	204	1/4	361	1/4	482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	207	1/2	364	1/2	484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	210	3/4	367	3/4	485	3/4		3/4		3/4		3/4		3/4		3/4	
9	66	9	214	9	370	9	487	9		9		9		9		9		9	
1/4	69	1/4	217	1/4	373	1/4	488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	71	1/2	220	1/2	376	1/2	489	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	224	3/4	380	3/4	490	3/4		3/4		3/4		3/4		3/4		3/4	
10	77	10	227	10	383	10	491	10		10		10		10		10		10	
1/4	80	1/4	230	1/4	386	1/4	492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	82	1/2	234	1/2	388	1/2	493	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	85	3/4	237	3/4	391	3/4	493	3/4		3/4		3/4		3/4		3/4		3/4	
11	88	11	240	11	394	11	494	11		11		11		11		11		11	
1/4	91	1/4	244	1/4	397	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	94	1/2	247	1/2	400	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	97	3/4	250	3/4	403	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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