



BARGE "HSM 3004"

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"

November 23, 2016

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

<http://www.pmacorp.net>



BARGE "HSM 3004"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	13,282	0	28,244	0	43,301	0	58,297	0	73,313	0	88,371	0	103,429	0	118,483	0	133,534
1/4	564	1/4	13,585	1/4	28,557	1/4	43,615	1/4	58,609	1/4	73,626	1/4	88,685	1/4	103,743	1/4	118,796	1/4	133,848
1/2	741	1/2	13,887	1/2	28,871	1/2	43,929	1/2	58,920	1/2	73,940	1/2	88,998	1/2	104,056	1/2	119,110	1/2	134,161
3/4	918	3/4	14,189	3/4	29,185	3/4	44,242	3/4	59,231	3/4	74,254	3/4	89,312	3/4	104,370	3/4	119,423	3/4	134,475
1	1,095	1	14,491	1	29,498	1	44,556	1	59,543	1	74,567	1	89,626	1	104,684	1	119,737	1	134,788
1/4	1,335	1/4	14,797	1/4	29,812	1/4	44,870	1/4	59,854	1/4	74,881	1/4	89,939	1/4	104,998	1/4	120,050	1/4	135,102
1/2	1,574	1/2	15,103	1/2	30,126	1/2	45,184	1/2	60,165	1/2	75,195	1/2	90,253	1/2	105,311	1/2	120,364	1/2	135,416
3/4	1,813	3/4	15,409	3/4	30,440	3/4	45,497	3/4	60,477	3/4	75,509	3/4	90,567	3/4	105,625	3/4	120,678	3/4	135,729
2	2,052	2	15,715	2	30,753	2	45,811	2	60,788	2	75,822	2	90,880	2	105,939	2	120,991	2	136,043
1/4	2,315	1/4	16,025	1/4	31,067	1/4	46,125	1/4	61,099	1/4	76,136	1/4	91,194	1/4	106,252	1/4	121,305	1/4	136,356
1/2	2,577	1/2	16,335	1/2	31,381	1/2	46,438	1/2	61,411	1/2	76,450	1/2	91,508	1/2	106,566	1/2	121,618	1/2	136,670
3/4	2,840	3/4	16,644	3/4	31,694	3/4	46,752	3/4	61,722	3/4	76,763	3/4	91,822	3/4	106,880	3/4	121,932	3/4	136,984
3	3,102	3	16,954	3	32,008	3	47,066	3	62,034	3	77,077	3	92,135	3	107,194	3	122,245	3	137,297
1/4	3,370	1/4	17,267	1/4	32,322	1/4	47,379	1/4	62,345	1/4	77,391	1/4	92,449	1/4	107,507	1/4	122,559	1/4	137,611
1/2	3,637	1/2	17,580	1/2	32,635	1/2	47,693	1/2	62,657	1/2	77,705	1/2	92,763	1/2	107,821	1/2	122,873	1/2	137,924
3/4	3,904	3/4	17,892	3/4	32,949	3/4	48,007	3/4	62,968	3/4	78,018	3/4	93,076	3/4	108,134	3/4	123,186	3/4	138,238
4	4,171	4	18,205	4	33,263	4	48,321	4	63,280	4	78,332	4	93,390	4	108,448	4	123,500	4	138,551
1/4	4,442	1/4	18,519	1/4	33,577	1/4	48,634	1/4	63,592	1/4	78,646	1/4	93,704	1/4	108,762	1/4	123,813	1/4	138,865
1/2	4,713	1/2	18,833	1/2	33,890	1/2	48,947	1/2	63,904	1/2	78,959	1/2	94,018	1/2	109,075	1/2	124,127	1/2	139,179
3/4	4,984	3/4	19,146	3/4	34,204	3/4	49,260	3/4	64,217	3/4	79,273	3/4	94,331	3/4	109,389	3/4	124,440	3/4	139,492
5	5,256	5	19,460	5	34,518	5	49,573	5	64,529	5	79,587	5	94,645	5	109,702	5	124,754	5	139,806
1/4	5,531	1/4	19,774	1/4	34,831	1/4	49,885	1/4	64,843	1/4	79,901	1/4	94,959	1/4	110,016	1/4	125,068	1/4	140,119
1/2	5,806	1/2	20,087	1/2	35,145	1/2	50,197	1/2	65,156	1/2	80,214	1/2	95,272	1/2	110,330	1/2	125,381	1/2	140,433
3/4	6,081	3/4	20,401	3/4	35,459	3/4	50,509	3/4	65,470	3/4	80,528	3/4	95,586	3/4	110,643	3/4	125,695	3/4	140,746
6	6,356	6	20,715	6	35,772	6	50,822	6	65,784	6	80,842	6	95,900	6	110,957	6	126,008	6	141,060
1/4	6,635	1/4	21,028	1/4	36,086	1/4	51,134	1/4	66,097	1/4	81,155	1/4	96,214	1/4	111,270	1/4	126,322	1/4	141,374
1/2	6,914	1/2	21,342	1/2	36,400	1/2	51,446	1/2	66,411	1/2	81,469	1/2	96,527	1/2	111,584	1/2	126,635	1/2	141,687
3/4	7,193	3/4	21,656	3/4	36,714	3/4	51,758	3/4	66,725	3/4	81,783	3/4	96,841	3/4	111,897	3/4	126,949	3/4	142,001
7	7,472	7	21,970	7	37,027	7	52,070	7	67,038	7	82,097	7	97,155	7	112,211	7	127,263	7	142,314
1/4	7,755	1/4	22,283	1/4	37,341	1/4	52,381	1/4	67,352	1/4	82,410	1/4	97,468	1/4	112,525	1/4	127,576	1/4	142,628
1/2	8,037	1/2	22,597	1/2	37,655	1/2	52,693	1/2	67,666	1/2	82,724	1/2	97,782	1/2	112,838	1/2	127,890	1/2	142,941
3/4	8,320	3/4	22,911	3/4	37,968	3/4	53,004	3/4	67,980	3/4	83,038	3/4	98,096	3/4	113,152	3/4	128,203	3/4	143,255
8	8,603	8	23,224	8	38,282	8	53,316	8	68,293	8	83,351	8	98,410	8	113,465	8	128,517	8	143,569
1/4	8,890	1/4	23,538	1/4	38,596	1/4	53,627	1/4	68,607	1/4	83,665	1/4	98,723	1/4	113,779	1/4	128,831	1/4	143,882
1/2	9,176	1/2	23,852	1/2	38,910	1/2	53,939	1/2	68,921	1/2	83,979	1/2	99,037	1/2	114,092	1/2	129,144	1/2	144,196
3/4	9,463	3/4	24,165	3/4	39,223	3/4	54,250	3/4	69,234	3/4	84,293	3/4	99,351	3/4	114,406	3/4	129,458	3/4	144,509
9	9,750	9	24,479	9	39,537	9	54,561	9	69,548	9	84,606	9	99,664	9	114,720	9	129,771	9	144,823
1/4	10,040	1/4	24,793	1/4	39,851	1/4	54,873	1/4	69,862	1/4	84,920	1/4	99,978	1/4	115,033	1/4	130,085	1/4	145,136
1/2	10,331	1/2	25,107	1/2	40,164	1/2	55,184	1/2	70,176	1/2	85,234	1/2	100,292	1/2	115,347	1/2	130,398	1/2	145,450
3/4	10,621	3/4	25,420	3/4	40,478	3/4	55,495	3/4	70,489	3/4	85,547	3/4	100,606	3/4	115,660	3/4	130,712	3/4	145,764
10	10,912	10	25,734	10	40,792	10	55,807	10	70,803	10	85,861	10	100,919	10	115,974	10	131,026	10	146,077
1/4	11,206	1/4	26,048	1/4	41,105	1/4	56,118	1/4	71,117	1/4	86,175	1/4	101,233	1/4	116,287	1/4	131,339	1/4	146,391
1/2	11,501	1/2	26,361	1/2	41,419	1/2	56,429	1/2	71,430	1/2	86,489	1/2	101,547	1/2	116,601	1/2	131,653	1/2	146,704
3/4	11,795	3/4	26,675	3/4	41,733	3/4	56,741	3/4	71,744	3/4	86,802	3/4	101,860	3/4	116,915	3/4	131,966	3/4	147,018
11	12,089	11	26,989	11	42,047	11	57,052	11	72,058	11	87,116	11	102,174	11	117,228	11	132,280	11	147,332
1/4	12,388	1/4	27,303	1/4	42,360	1/4	57,363	1/4	72,371	1/4	87,430	1/4	102,488	1/4	117,542	1/4	132,593	1/4	147,645
1/2	12,686	1/2	27,616	1/2	42,674	1/2	57,675	1/2	72,685	1/2	87,743	1/2	102,802	1/2	117,855	1/2	132,907	1/2	147,959
3/4	12,984	3/4	27,930	3/4	42,988	3/4	57,986	3/4	72,999	3/4	88,057	3/4	103,115	3/4	118,169	3/4	133,221	3/4	148,272

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 3004"

1 PORT INNAGE 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	148,586	0	163,637	0	178,680	0	193,688	0	208,623	0		0		0		0		0	
1/4	148,899	1/4	163,951	1/4	178,993	1/4	194,000	1/4	208,904	1/4		1/4		1/4		1/4		1/4	
1/2	149,213	1/2	164,265	1/2	179,305	1/2	194,313	1/2	209,184	1/2		1/2		1/2		1/2		1/2	
3/4	149,527	3/4	164,578	3/4	179,618	3/4	194,626	3/4	209,465	3/4		3/4		3/4		3/4		3/4	
1	149,840	1	164,892	1	179,931	1	194,938	1	209,746	1		1		1		1		1	
1/4	150,154	1/4	165,205	1/4	180,243	1/4	195,251	1/4	209,978	1/4		1/4		1/4		1/4		1/4	
1/2	150,467	1/2	165,519	1/2	180,556	1/2	195,564	1/2	210,210	1/2		1/2		1/2		1/2		1/2	
3/4	150,781	3/4	165,833	3/4	180,869	3/4	195,876	3/4	210,443	3/4		3/4		3/4		3/4		3/4	
2	151,094	2	166,146	2	181,181	2	196,189	2	210,675	2		2		2		2		2	
1/4	151,408	1/4	166,460	1/4	181,494	1/4	196,502	1/4	210,855	1/4		1/4		1/4		1/4		1/4	
1/2	151,722	1/2	166,773	1/2	181,807	1/2	196,814	1/2	211,035	1/2		1/2		1/2		1/2		1/2	
3/4	152,035	3/4	167,087	3/4	182,119	3/4	197,127	3/4	211,215	3/4		3/4		3/4		3/4		3/4	
3	152,349	3	167,400	3	182,432	3	197,440	3	211,394	3		3		3		3		3	
1/4	152,662	1/4	167,714	1/4	182,745	1/4	197,752	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,976	1/2	168,028	1/2	183,057	1/2	198,065	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,289	3/4	168,341	3/4	183,370	3/4	198,378	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,603	4	168,655	4	183,683	4	198,690	4		4		4		4		4		4	
1/4	153,917	1/4	168,968	1/4	183,995	1/4	199,003	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,230	1/2	169,282	1/2	184,308	1/2	199,316	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,544	3/4	169,595	3/4	184,621	3/4	199,628	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,857	5	169,909	5	184,933	5	199,941	5		5		5		5		5		5	
1/4	155,171	1/4	170,223	1/4	185,246	1/4	200,253	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,485	1/2	170,536	1/2	185,559	1/2	200,564	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,798	3/4	170,850	3/4	185,871	3/4	200,876	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,112	6	171,163	6	186,184	6	201,187	6		6		6		6		6		6	
1/4	156,425	1/4	171,477	1/4	186,497	1/4	201,498	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,739	1/2	171,790	1/2	186,809	1/2	201,808	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,052	3/4	172,104	3/4	187,122	3/4	202,119	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,366	7	172,418	7	187,435	7	202,429	7		7		7		7		7		7	
1/4	157,680	1/4	172,731	1/4	187,747	1/4	202,740	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,993	1/2	173,045	1/2	188,060	1/2	203,051	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,307	3/4	173,358	3/4	188,372	3/4	203,361	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,620	8	173,672	8	188,685	8	203,672	8		8		8		8		8		8	
1/4	158,934	1/4	173,985	1/4	188,998	1/4	203,982	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,247	1/2	174,299	1/2	189,310	1/2	204,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,561	3/4	174,613	3/4	189,623	3/4	204,604	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,875	9	174,926	9	189,936	9	204,914	9		9		9		9		9		9	
1/4	160,188	1/4	175,239	1/4	190,248	1/4	205,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,502	1/2	175,552	1/2	190,561	1/2	205,535	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,815	3/4	175,866	3/4	190,874	3/4	205,846	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,129	10	176,179	10	191,186	10	206,157	10		10		10		10		10		10	
1/4	161,442	1/4	176,491	1/4	191,499	1/4	206,467	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,756	1/2	176,804	1/2	191,812	1/2	206,777	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,070	3/4	177,117	3/4	192,124	3/4	207,087	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,383	11	177,429	11	192,437	11	207,397	11		11		11		11		11		11	
1/4	162,697	1/4	177,742	1/4	192,750	1/4	207,704	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,010	1/2	178,055	1/2	193,062	1/2	208,010	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,324	3/4	178,367	3/4	193,375	3/4	208,316	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3004"

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	13,267	0	28,210	0	43,250	0	58,285	0	73,323	0	88,363	0	103,403	0	118,439	0	133,472
1/4	563	1/4	13,568	1/4	28,523	1/4	43,563	1/4	58,598	1/4	73,636	1/4	88,676	1/4	103,716	1/4	118,752	1/4	133,786
1/2	740	1/2	13,870	1/2	28,837	1/2	43,876	1/2	58,911	1/2	73,949	1/2	88,990	1/2	104,030	1/2	119,065	1/2	134,099
3/4	917	3/4	14,172	3/4	29,150	3/4	44,190	3/4	59,225	3/4	74,263	3/4	89,303	3/4	104,343	3/4	119,378	3/4	134,412
1	1,094	1	14,474	1	29,463	1	44,503	1	59,538	1	74,576	1	89,616	1	104,656	1	119,691	1	134,725
1/4	1,333	1/4	14,779	1/4	29,777	1/4	44,816	1/4	59,851	1/4	74,889	1/4	89,930	1/4	104,970	1/4	120,005	1/4	135,038
1/2	1,572	1/2	15,085	1/2	30,090	1/2	45,130	1/2	60,164	1/2	75,203	1/2	90,243	1/2	105,283	1/2	120,318	1/2	135,352
3/4	1,811	3/4	15,391	3/4	30,403	3/4	45,443	3/4	60,477	3/4	75,516	3/4	90,556	3/4	105,596	3/4	120,631	3/4	135,665
2	2,050	2	15,696	2	30,717	2	45,756	2	60,790	2	75,829	2	90,870	2	105,910	2	120,944	2	135,978
1/4	2,312	1/4	16,006	1/4	31,030	1/4	46,070	1/4	61,103	1/4	76,143	1/4	91,183	1/4	106,223	1/4	121,257	1/4	136,291
1/2	2,574	1/2	16,315	1/2	31,343	1/2	46,383	1/2	61,416	1/2	76,456	1/2	91,496	1/2	106,536	1/2	121,571	1/2	136,604
3/4	2,837	3/4	16,625	3/4	31,657	3/4	46,696	3/4	61,730	3/4	76,769	3/4	91,810	3/4	106,850	3/4	121,884	3/4	136,918
3	3,099	3	16,934	3	31,970	3	47,010	3	62,043	3	77,083	3	92,123	3	107,163	3	122,197	3	137,231
1/4	3,366	1/4	17,246	1/4	32,283	1/4	47,323	1/4	62,356	1/4	77,396	1/4	92,436	1/4	107,476	1/4	122,510	1/4	137,544
1/2	3,632	1/2	17,559	1/2	32,597	1/2	47,636	1/2	62,669	1/2	77,709	1/2	92,750	1/2	107,790	1/2	122,824	1/2	137,857
3/4	3,899	3/4	17,871	3/4	32,910	3/4	47,950	3/4	62,983	3/4	78,023	3/4	93,063	3/4	108,103	3/4	123,137	3/4	138,170
4	4,166	4	18,184	4	33,223	4	48,263	4	63,296	4	78,336	4	93,376	4	108,416	4	123,450	4	138,484
1/4	4,437	1/4	18,497	1/4	33,537	1/4	48,576	1/4	63,609	1/4	78,649	1/4	93,690	1/4	108,729	1/4	123,763	1/4	138,797
1/2	4,708	1/2	18,810	1/2	33,850	1/2	48,890	1/2	63,923	1/2	78,963	1/2	94,003	1/2	109,043	1/2	124,076	1/2	139,110
3/4	4,979	3/4	19,124	3/4	34,163	3/4	49,203	3/4	64,236	3/4	79,276	3/4	94,316	3/4	109,356	3/4	124,390	3/4	139,423
5	5,250	5	19,437	5	34,477	5	49,516	5	64,549	5	79,589	5	94,630	5	109,669	5	124,703	5	139,736
1/4	5,524	1/4	19,750	1/4	34,790	1/4	49,830	1/4	64,863	1/4	79,903	1/4	94,943	1/4	109,982	1/4	125,016	1/4	140,050
1/2	5,799	1/2	20,064	1/2	35,103	1/2	50,143	1/2	65,176	1/2	80,216	1/2	95,256	1/2	110,295	1/2	125,329	1/2	140,363
3/4	6,074	3/4	20,377	3/4	35,417	3/4	50,456	3/4	65,489	3/4	80,529	3/4	95,570	3/4	110,609	3/4	125,642	3/4	140,676
6	6,349	6	20,690	6	35,730	6	50,770	6	65,803	6	80,843	6	95,883	6	110,922	6	125,956	6	140,989
1/4	6,627	1/4	21,004	1/4	36,043	1/4	51,083	1/4	66,116	1/4	81,156	1/4	96,196	1/4	111,235	1/4	126,269	1/4	141,303
1/2	6,906	1/2	21,317	1/2	36,357	1/2	51,396	1/2	66,429	1/2	81,469	1/2	96,510	1/2	111,548	1/2	126,582	1/2	141,616
3/4	7,184	3/4	21,630	3/4	36,670	3/4	51,710	3/4	66,743	3/4	81,783	3/4	96,823	3/4	111,861	3/4	126,895	3/4	141,929
7	7,463	7	21,944	7	36,983	7	52,023	7	67,056	7	82,096	7	97,136	7	112,175	7	127,208	7	142,242
1/4	7,746	1/4	22,257	1/4	37,297	1/4	52,336	1/4	67,369	1/4	82,409	1/4	97,450	1/4	112,488	1/4	127,522	1/4	142,555
1/2	8,028	1/2	22,570	1/2	37,610	1/2	52,649	1/2	67,683	1/2	82,723	1/2	97,763	1/2	112,801	1/2	127,835	1/2	142,869
3/4	8,310	3/4	22,883	3/4	37,923	3/4	52,962	3/4	67,996	3/4	83,036	3/4	98,076	3/4	113,114	3/4	128,148	3/4	143,182
8	8,593	8	23,197	8	38,237	8	53,275	8	68,309	8	83,349	8	98,390	8	113,427	8	128,461	8	143,495
1/4	8,879	1/4	23,510	1/4	38,550	1/4	53,589	1/4	68,623	1/4	83,663	1/4	98,703	1/4	113,741	1/4	128,774	1/4	143,808
1/2	9,166	1/2	23,823	1/2	38,863	1/2	53,902	1/2	68,936	1/2	83,976	1/2	99,016	1/2	114,054	1/2	129,088	1/2	144,121
3/4	9,452	3/4	24,137	3/4	39,177	3/4	54,215	3/4	69,249	3/4	84,289	3/4	99,330	3/4	114,367	3/4	129,401	3/4	144,435
9	9,738	9	24,450	9	39,490	9	54,528	9	69,563	9	84,603	9	99,643	9	114,680	9	129,714	9	144,748
1/4	10,028	1/4	24,763	1/4	39,803	1/4	54,841	1/4	69,876	1/4	84,916	1/4	99,956	1/4	114,993	1/4	130,027	1/4	145,061
1/2	10,319	1/2	25,077	1/2	40,117	1/2	55,154	1/2	70,189	1/2	85,229	1/2	100,270	1/2	115,307	1/2	130,340	1/2	145,374
3/4	10,609	3/4	25,390	3/4	40,430	3/4	55,467	3/4	70,503	3/4	85,543	3/4	100,583	3/4	115,620	3/4	130,654	3/4	145,687
10	10,899	10	25,703	10	40,743	10	55,780	10	70,816	10	85,856	10	100,896	10	115,933	10	130,967	10	146,001
1/4	11,193	1/4	26,017	1/4	41,057	1/4	56,093	1/4	71,129	1/4	86,169	1/4	101,210	1/4	116,246	1/4	131,280	1/4	146,314
1/2	11,487	1/2	26,330	1/2	41,370	1/2	56,407	1/2	71,443	1/2	86,483	1/2	101,523	1/2	116,559	1/2	131,593	1/2	146,627
3/4	11,781	3/4	26,643	3/4	41,683	3/4	56,720	3/4	71,756	3/4	86,796	3/4	101,836	3/4	116,873	3/4	131,906	3/4	146,940
11	12,075	11	26,957	11	41,997	11	57,033	11	72,069	11	87,110	11	102,150	11	117,186	11	132,220	11	147,253
1/4	12,373	1/4	27,270	1/4	42,310	1/4	57,346	1/4	72,383	1/4	87,423	1/4	102,463	1/4	117,499	1/4	132,533	1/4	147,567
1/2	12,671	1/2	27,583	1/2	42,623	1/2	57,659	1/2	72,696	1/2	87,736	1/2	102,776	1/2	117,812	1/2	132,846	1/2	147,880
3/4	12,969	3/4	27,897	3/4	42,937	3/4	57,972	3/4	73,009	3/4	88,050	3/4	103,090	3/4	118,125	3/4	133,159	3/4	148,193

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 3004"

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	148,506	0	163,540	0	178,565	0	193,555	0	208,473	0		0		0		0		0	
1/4	148,820	1/4	163,853	1/4	178,877	1/4	193,867	1/4	208,753	1/4		1/4		1/4		1/4		1/4	
1/2	149,133	1/2	164,167	1/2	179,190	1/2	194,180	1/2	209,034	1/2		1/2		1/2		1/2		1/2	
3/4	149,446	3/4	164,480	3/4	179,502	3/4	194,492	3/4	209,314	3/4		3/4		3/4		3/4		3/4	
1	149,759	1	164,793	1	179,814	1	194,804	1	209,594	1		1		1		1		1	
1/4	150,072	1/4	165,106	1/4	180,127	1/4	195,117	1/4	209,826	1/4		1/4		1/4		1/4		1/4	
1/2	150,386	1/2	165,419	1/2	180,439	1/2	195,429	1/2	210,058	1/2		1/2		1/2		1/2		1/2	
3/4	150,699	3/4	165,733	3/4	180,751	3/4	195,741	3/4	210,290	3/4		3/4		3/4		3/4		3/4	
2	151,012	2	166,046	2	181,063	2	196,054	2	210,522	2		2		2		2		2	
1/4	151,325	1/4	166,359	1/4	181,376	1/4	196,366	1/4	210,702	1/4		1/4		1/4		1/4		1/4	
1/2	151,638	1/2	166,672	1/2	181,688	1/2	196,678	1/2	210,882	1/2		1/2		1/2		1/2		1/2	
3/4	151,952	3/4	166,986	3/4	182,000	3/4	196,990	3/4	211,061	3/4		3/4		3/4		3/4		3/4	
3	152,265	3	167,299	3	182,313	3	197,303	3	211,241	3		3		3		3		3	
1/4	152,578	1/4	167,612	1/4	182,625	1/4	197,615	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,891	1/2	167,925	1/2	182,937	1/2	197,927	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,204	3/4	168,238	3/4	183,249	3/4	198,240	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,518	4	168,552	4	183,562	4	198,552	4		4		4		4		4		4	
1/4	153,831	1/4	168,865	1/4	183,874	1/4	198,864	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,144	1/2	169,178	1/2	184,186	1/2	199,176	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,457	3/4	169,491	3/4	184,499	3/4	199,489	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,770	5	169,804	5	184,811	5	199,801	5		5		5		5		5		5	
1/4	155,084	1/4	170,118	1/4	185,123	1/4	200,112	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,397	1/2	170,431	1/2	185,436	1/2	200,424	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,710	3/4	170,744	3/4	185,748	3/4	200,735	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,023	6	171,057	6	186,060	6	201,046	6		6		6		6		6		6	
1/4	156,336	1/4	171,370	1/4	186,372	1/4	201,356	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,650	1/2	171,684	1/2	186,685	1/2	201,666	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,963	3/4	171,997	3/4	186,997	3/4	201,976	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,276	7	172,310	7	187,309	7	202,287	7		7		7		7		7		7	
1/4	157,589	1/4	172,623	1/4	187,622	1/4	202,597	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,903	1/2	172,936	1/2	187,934	1/2	202,907	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,216	3/4	173,250	3/4	188,246	3/4	203,217	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,529	8	173,563	8	188,558	8	203,527	8		8		8		8		8		8	
1/4	158,842	1/4	173,876	1/4	188,871	1/4	203,838	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,155	1/2	174,189	1/2	189,183	1/2	204,148	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,469	3/4	174,503	3/4	189,495	3/4	204,458	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,782	9	174,816	9	189,808	9	204,769	9		9		9		9		9		9	
1/4	160,095	1/4	175,128	1/4	190,120	1/4	205,079	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,408	1/2	175,441	1/2	190,432	1/2	205,389	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,721	3/4	175,754	3/4	190,745	3/4	205,699	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,035	10	176,067	10	191,057	10	206,009	10		10		10		10		10		10	
1/4	161,348	1/4	176,379	1/4	191,369	1/4	206,319	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,661	1/2	176,691	1/2	191,681	1/2	206,629	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,974	3/4	177,004	3/4	191,994	3/4	206,939	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,287	11	177,316	11	192,306	11	207,248	11		11		11		11		11		11	
1/4	162,601	1/4	177,628	1/4	192,618	1/4	207,555	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,914	1/2	177,940	1/2	192,931	1/2	207,861	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,227	3/4	178,253	3/4	193,243	3/4	208,167	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3004"

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	1,030	0	15,674	0	30,716	0	45,387	0	59,853	0	74,686	0	89,730	0	104,775	0	119,814	0	134,851
1/4	1,265	1/4	15,987	1/4	31,029	1/4	45,688	1/4	60,154	1/4	74,999	1/4	90,044	1/4	105,088	1/4	120,127	1/4	135,164
1/2	1,500	1/2	16,301	1/2	31,343	1/2	45,989	1/2	60,456	1/2	75,312	1/2	90,357	1/2	105,401	1/2	120,440	1/2	135,477
3/4	1,735	3/4	16,614	3/4	31,656	3/4	46,289	3/4	60,758	3/4	75,626	3/4	90,670	3/4	105,715	3/4	120,754	3/4	135,791
1	1,970	1	16,928	1	31,970	1	46,590	1	61,059	1	75,939	1	90,984	1	106,028	1	121,067	1	136,104
1/4	2,263	1/4	17,241	1/4	32,283	1/4	46,891	1/4	61,361	1/4	76,253	1/4	91,297	1/4	106,342	1/4	121,380	1/4	136,417
1/2	2,556	1/2	17,555	1/2	32,596	1/2	47,191	1/2	61,663	1/2	76,566	1/2	91,611	1/2	106,655	1/2	121,693	1/2	136,730
3/4	2,849	3/4	17,868	3/4	32,910	3/4	47,492	3/4	61,964	3/4	76,880	3/4	91,924	3/4	106,969	3/4	122,007	3/4	137,044
2	3,142	2	18,181	2	33,223	2	47,793	2	62,266	2	77,193	2	92,238	2	107,282	2	122,320	2	137,357
1/4	3,455	1/4	18,495	1/4	33,537	1/4	48,094	1/4	62,568	1/4	77,506	1/4	92,551	1/4	107,595	1/4	122,633	1/4	137,670
1/2	3,767	1/2	18,808	1/2	33,850	1/2	48,395	1/2	62,869	1/2	77,820	1/2	92,864	1/2	107,909	1/2	122,947	1/2	137,983
3/4	4,080	3/4	19,122	3/4	34,163	3/4	48,696	3/4	63,171	3/4	78,133	3/4	93,178	3/4	108,222	3/4	123,260	3/4	138,297
3	4,392	3	19,435	3	34,477	3	48,996	3	63,473	3	78,447	3	93,491	3	108,536	3	123,573	3	138,610
1/4	4,705	1/4	19,749	1/4	34,790	1/4	49,297	1/4	63,774	1/4	78,760	1/4	93,805	1/4	108,849	1/4	123,886	1/4	138,923
1/2	5,018	1/2	20,062	1/2	35,104	1/2	49,598	1/2	64,076	1/2	79,074	1/2	94,118	1/2	109,162	1/2	124,200	1/2	139,237
3/4	5,332	3/4	20,375	3/4	35,417	3/4	49,899	3/4	64,378	3/4	79,387	3/4	94,432	3/4	109,476	3/4	124,513	3/4	139,550
4	5,645	4	20,689	4	35,731	4	50,200	4	64,679	4	79,700	4	94,745	4	109,789	4	124,826	4	139,863
1/4	5,958	1/4	21,002	1/4	36,038	1/4	50,502	1/4	64,987	1/4	80,014	1/4	95,058	1/4	110,102	1/4	125,139	1/4	140,176
1/2	6,272	1/2	21,316	1/2	36,346	1/2	50,803	1/2	65,294	1/2	80,327	1/2	95,372	1/2	110,416	1/2	125,453	1/2	140,490
3/4	6,585	3/4	21,629	3/4	36,653	3/4	51,104	3/4	65,602	3/4	80,641	3/4	95,685	3/4	110,729	3/4	125,766	3/4	140,803
5	6,898	5	21,942	5	36,961	5	51,406	5	65,910	5	80,954	5	95,999	5	111,042	5	126,079	5	141,116
1/4	7,212	1/4	22,256	1/4	37,262	1/4	51,707	1/4	66,223	1/4	81,268	1/4	96,312	1/4	111,355	1/4	126,392	1/4	141,429
1/2	7,525	1/2	22,569	1/2	37,564	1/2	52,009	1/2	66,536	1/2	81,581	1/2	96,626	1/2	111,669	1/2	126,706	1/2	141,743
3/4	7,839	3/4	22,883	3/4	37,866	3/4	52,311	3/4	66,850	3/4	81,894	3/4	96,939	3/4	111,982	3/4	127,019	3/4	142,056
6	8,152	6	23,196	6	38,167	6	52,612	6	67,163	6	82,208	6	97,252	6	112,295	6	127,332	6	142,369
1/4	8,465	1/4	23,510	1/4	38,469	1/4	52,914	1/4	67,477	1/4	82,521	1/4	97,566	1/4	112,609	1/4	127,646	1/4	142,683
1/2	8,779	1/2	23,823	1/2	38,770	1/2	53,216	1/2	67,790	1/2	82,835	1/2	97,879	1/2	112,922	1/2	127,959	1/2	142,996
3/4	9,092	3/4	24,136	3/4	39,071	3/4	53,517	3/4	68,104	3/4	83,148	3/4	98,193	3/4	113,235	3/4	128,272	3/4	143,309
7	9,406	7	24,450	7	39,372	7	53,819	7	68,417	7	83,462	7	98,506	7	113,548	7	128,585	7	143,622
1/4	9,719	1/4	24,763	1/4	39,673	1/4	54,121	1/4	68,730	1/4	83,775	1/4	98,819	1/4	113,862	1/4	128,899	1/4	143,936
1/2	10,033	1/2	25,077	1/2	39,974	1/2	54,422	1/2	69,044	1/2	84,088	1/2	99,133	1/2	114,175	1/2	129,212	1/2	144,249
3/4	10,346	3/4	25,390	3/4	40,274	3/4	54,724	3/4	69,357	3/4	84,402	3/4	99,446	3/4	114,488	3/4	129,525	3/4	144,562
8	10,659	8	25,703	8	40,575	8	55,026	8	69,671	8	84,715	8	99,760	8	114,801	8	129,838	8	144,875
1/4	10,973	1/4	26,017	1/4	40,876	1/4	55,327	1/4	69,984	1/4	85,029	1/4	100,073	1/4	115,115	1/4	130,152	1/4	145,189
1/2	11,286	1/2	26,330	1/2	41,177	1/2	55,629	1/2	70,298	1/2	85,342	1/2	100,387	1/2	115,428	1/2	130,465	1/2	145,502
3/4	11,600	3/4	26,643	3/4	41,477	3/4	55,931	3/4	70,611	3/4	85,656	3/4	100,700	3/4	115,741	3/4	130,778	3/4	145,815
9	11,913	9	26,957	9	41,778	9	56,232	9	70,924	9	85,969	9	101,013	9	116,055	9	131,092	9	146,129
1/4	12,226	1/4	27,270	1/4	42,079	1/4	56,534	1/4	71,238	1/4	86,282	1/4	101,327	1/4	116,368	1/4	131,405	1/4	146,442
1/2	12,540	1/2	27,583	1/2	42,380	1/2	56,836	1/2	71,551	1/2	86,596	1/2	101,640	1/2	116,681	1/2	131,718	1/2	146,755
3/4	12,853	3/4	27,896	3/4	42,680	3/4	57,137	3/4	71,865	3/4	86,909	3/4	101,954	3/4	116,994	3/4	132,031	3/4	147,068
10	13,167	10	28,210	10	42,981	10	57,439	10	72,178	10	87,223	10	102,267	10	117,308	10	132,345	10	147,382
1/4	13,480	1/4	28,523	1/4	43,282	1/4	57,741	1/4	72,492	1/4	87,536	1/4	102,581	1/4	117,621	1/4	132,658	1/4	147,695
1/2	13,794	1/2	28,836	1/2	43,583	1/2	58,042	1/2	72,805	1/2	87,850	1/2	102,894	1/2	117,934	1/2	132,971	1/2	148,008
3/4	14,107	3/4	29,149	3/4	43,883	3/4	58,344	3/4	73,118	3/4	88,163	3/4	103,207	3/4	118,247	3/4	133,284	3/4	148,321
11	14,420	11	29,462	11	44,184	11	58,646	11	73,432	11	88,476	11	103,521	11	118,561	11	133,598	11	148,635
1/4	14,734	1/4	29,776	1/4	44,485	1/4	58,948	1/4	73,745	1/4	88,790	1/4	103,834	1/4	118,874	1/4	133,911	1/4	148,948
1/2	15,047	1/2	30,089	1/2	44,786	1/2	59,249	1/2	74,059	1/2	89,103	1/2	104,148	1/2	119,187	1/2	134,224	1/2	149,261
3/4	15,361	3/4	30,403	3/4	45,086	3/4	59,551	3/4	74,372	3/4	89,417	3/4	104,461	3/4	119,501	3/4	134,538	3/4	149,574

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
<http://www.pmacorp.net>





BARGE "HSM 3004"

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	149,888	0	164,925	0	179,951	0	194,937	0	209,826	0		0		0		0		0	
1/4	150,201	1/4	165,238	1/4	180,263	1/4	195,249	1/4	210,106	1/4		1/4		1/4		1/4		1/4	
1/2	150,514	1/2	165,551	1/2	180,576	1/2	195,561	1/2	210,385	1/2		1/2		1/2		1/2		1/2	
3/4	150,828	3/4	165,865	3/4	180,888	3/4	195,874	3/4	210,664	3/4		3/4		3/4		3/4		3/4	
1	151,141	1	166,178	1	181,200	1	196,186	1	210,944	1		1		1		1		1	
1/4	151,454	1/4	166,491	1/4	181,512	1/4	196,498	1/4	211,175	1/4		1/4		1/4		1/4		1/4	
1/2	151,767	1/2	166,804	1/2	181,824	1/2	196,810	1/2	211,406	1/2		1/2		1/2		1/2		1/2	
3/4	152,081	3/4	167,118	3/4	182,137	3/4	197,122	3/4	211,636	3/4		3/4		3/4		3/4		3/4	
2	152,394	2	167,431	2	182,449	2	197,435	2	211,867	2		2		2		2		2	
1/4	152,707	1/4	167,744	1/4	182,761	1/4	197,747	1/4	212,046	1/4		1/4		1/4		1/4		1/4	
1/2	153,020	1/2	168,057	1/2	183,073	1/2	198,059	1/2	212,225	1/2		1/2		1/2		1/2		1/2	
3/4	153,334	3/4	168,371	3/4	183,385	3/4	198,371	3/4	212,403	3/4		3/4		3/4		3/4		3/4	
3	153,647	3	168,684	3	183,698	3	198,683	3	212,582	3		3		3		3		3	
1/4	153,960	1/4	168,997	1/4	184,010	1/4	198,996	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,274	1/2	169,311	1/2	184,322	1/2	199,308	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,587	3/4	169,624	3/4	184,634	3/4	199,620	3/4		3/4		3/4		3/4		3/4		3/4	
4	154,900	4	169,937	4	184,946	4	199,932	4		4		4		4		4		4	
1/4	155,213	1/4	170,250	1/4	185,259	1/4	200,245	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,527	1/2	170,564	1/2	185,571	1/2	200,557	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,840	3/4	170,877	3/4	185,883	3/4	200,869	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,153	5	171,190	5	186,195	5	201,181	5		5		5		5		5		5	
1/4	156,466	1/4	171,503	1/4	186,507	1/4	201,492	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,780	1/2	171,817	1/2	186,820	1/2	201,802	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,093	3/4	172,130	3/4	187,132	3/4	202,113	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,406	6	172,443	6	187,444	6	202,424	6		6		6		6		6		6	
1/4	157,720	1/4	172,756	1/4	187,756	1/4	202,733	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,033	1/2	173,070	1/2	188,068	1/2	203,042	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,346	3/4	173,383	3/4	188,381	3/4	203,351	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,659	7	173,696	7	188,693	7	203,660	7		7		7		7		7		7	
1/4	158,973	1/4	174,010	1/4	189,005	1/4	203,969	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,286	1/2	174,323	1/2	189,317	1/2	204,279	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,599	3/4	174,636	3/4	189,629	3/4	204,588	3/4		3/4		3/4		3/4		3/4		3/4	
8	159,912	8	174,949	8	189,942	8	204,897	8		8		8		8		8		8	
1/4	160,226	1/4	175,263	1/4	190,254	1/4	205,206	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,539	1/2	175,576	1/2	190,566	1/2	205,516	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,852	3/4	175,889	3/4	190,878	3/4	205,825	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,165	9	176,202	9	191,191	9	206,134	9		9		9		9		9		9	
1/4	161,479	1/4	176,515	1/4	191,503	1/4	206,443	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,792	1/2	176,828	1/2	191,815	1/2	206,752	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,105	3/4	177,141	3/4	192,127	3/4	207,062	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,419	10	177,453	10	192,439	10	207,371	10		10		10		10		10		10	
1/4	162,732	1/4	177,766	1/4	192,752	1/4	207,680	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,045	1/2	178,078	1/2	193,064	1/2	207,988	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,358	3/4	178,390	3/4	193,376	3/4	208,297	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,672	11	178,702	11	193,688	11	208,606	11		11		11		11		11		11	
1/4	163,985	1/4	179,014	1/4	194,000	1/4	208,911	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,298	1/2	179,327	1/2	194,313	1/2	209,216	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,611	3/4	179,639	3/4	194,625	3/4	209,521	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3004"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05"

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	1,033	0	15,722	0	30,809	0	45,879	0	60,953	0	76,043	0	91,133	0	106,223	0	121,307	0	136,390
1/4	1,269	1/4	16,036	1/4	31,124	1/4	46,192	1/4	61,268	1/4	76,358	1/4	91,447	1/4	106,537	1/4	121,621	1/4	136,704
1/2	1,505	1/2	16,351	1/2	31,438	1/2	46,505	1/2	61,582	1/2	76,672	1/2	91,762	1/2	106,852	1/2	121,936	1/2	137,018
3/4	1,741	3/4	16,665	3/4	31,752	3/4	46,819	3/4	61,897	3/4	76,986	3/4	92,076	3/4	107,166	3/4	122,250	3/4	137,332
1	1,976	1	16,979	1	32,067	1	47,132	1	62,211	1	77,301	1	92,391	1	107,480	1	122,564	1	137,646
1/4	2,270	1/4	17,294	1/4	32,381	1/4	47,446	1/4	62,525	1/4	77,615	1/4	92,705	1/4	107,795	1/4	122,878	1/4	137,961
1/2	2,564	1/2	17,608	1/2	32,696	1/2	47,759	1/2	62,840	1/2	77,929	1/2	93,019	1/2	108,109	1/2	123,193	1/2	138,275
3/4	2,858	3/4	17,922	3/4	33,010	3/4	48,073	3/4	63,154	3/4	78,244	3/4	93,334	3/4	108,423	3/4	123,507	3/4	138,589
2	3,152	2	18,237	2	33,324	2	48,386	2	63,468	2	78,558	2	93,648	2	108,738	2	123,821	2	138,903
1/4	3,465	1/4	18,551	1/4	33,639	1/4	48,700	1/4	63,783	1/4	78,873	1/4	93,962	1/4	109,052	1/4	124,135	1/4	139,217
1/2	3,779	1/2	18,866	1/2	33,953	1/2	49,013	1/2	64,097	1/2	79,187	1/2	94,277	1/2	109,367	1/2	124,449	1/2	139,532
3/4	4,092	3/4	19,180	3/4	34,267	3/4	49,327	3/4	64,412	3/4	79,501	3/4	94,591	3/4	109,681	3/4	124,764	3/4	139,846
3	4,406	3	19,494	3	34,582	3	49,640	3	64,726	3	79,816	3	94,905	3	109,995	3	125,078	3	140,160
1/4	4,720	1/4	19,809	1/4	34,896	1/4	49,954	1/4	65,040	1/4	80,130	1/4	95,220	1/4	110,310	1/4	125,392	1/4	140,474
1/2	5,034	1/2	20,123	1/2	35,210	1/2	50,268	1/2	65,355	1/2	80,444	1/2	95,534	1/2	110,624	1/2	125,706	1/2	140,789
3/4	5,348	3/4	20,437	3/4	35,525	3/4	50,581	3/4	65,669	3/4	80,759	3/4	95,849	3/4	110,938	3/4	126,020	3/4	141,103
4	5,662	4	20,752	4	35,839	4	50,895	4	65,983	4	81,073	4	96,163	4	111,252	4	126,335	4	141,417
1/4	5,976	1/4	21,066	1/4	36,154	1/4	51,209	1/4	66,298	1/4	81,388	1/4	96,477	1/4	111,567	1/4	126,649	1/4	141,731
1/2	6,291	1/2	21,380	1/2	36,468	1/2	51,523	1/2	66,612	1/2	81,702	1/2	96,792	1/2	111,881	1/2	126,963	1/2	142,045
3/4	6,605	3/4	21,695	3/4	36,782	3/4	51,837	3/4	66,926	3/4	82,016	3/4	97,106	3/4	112,195	3/4	127,277	3/4	142,360
5	6,919	5	22,009	5	37,097	5	52,151	5	67,241	5	82,331	5	97,420	5	112,509	5	127,592	5	142,674
1/4	7,234	1/4	22,324	1/4	37,411	1/4	52,465	1/4	67,555	1/4	82,645	1/4	97,735	1/4	112,824	1/4	127,906	1/4	142,988
1/2	7,548	1/2	22,638	1/2	37,725	1/2	52,780	1/2	67,870	1/2	82,959	1/2	98,049	1/2	113,138	1/2	128,220	1/2	143,302
3/4	7,863	3/4	22,952	3/4	38,040	3/4	53,094	3/4	68,184	3/4	83,274	3/4	98,364	3/4	113,452	3/4	128,534	3/4	143,616
6	8,177	6	23,267	6	38,354	6	53,409	6	68,498	6	83,588	6	98,678	6	113,766	6	128,848	6	143,931
1/4	8,491	1/4	23,581	1/4	38,668	1/4	53,723	1/4	68,813	1/4	83,903	1/4	98,992	1/4	114,080	1/4	129,163	1/4	144,245
1/2	8,806	1/2	23,895	1/2	38,982	1/2	54,037	1/2	69,127	1/2	84,217	1/2	99,307	1/2	114,395	1/2	129,477	1/2	144,559
3/4	9,120	3/4	24,210	3/4	39,296	3/4	54,352	3/4	69,441	3/4	84,531	3/4	99,621	3/4	114,709	3/4	129,791	3/4	144,873
7	9,434	7	24,524	7	39,610	7	54,666	7	69,756	7	84,846	7	99,935	7	115,023	7	130,105	7	145,187
1/4	9,749	1/4	24,839	1/4	39,923	1/4	54,980	1/4	70,070	1/4	85,160	1/4	100,250	1/4	115,337	1/4	130,419	1/4	145,502
1/2	10,063	1/2	25,153	1/2	40,237	1/2	55,295	1/2	70,385	1/2	85,474	1/2	100,564	1/2	115,651	1/2	130,734	1/2	145,816
3/4	10,378	3/4	25,467	3/4	40,550	3/4	55,609	3/4	70,699	3/4	85,789	3/4	100,879	3/4	115,966	3/4	131,048	3/4	146,130
8	10,692	8	25,782	8	40,864	8	55,924	8	71,013	8	86,103	8	101,193	8	116,280	8	131,362	8	146,444
1/4	11,006	1/4	26,096	1/4	41,177	1/4	56,238	1/4	71,328	1/4	86,417	1/4	101,507	1/4	116,594	1/4	131,676	1/4	146,759
1/2	11,321	1/2	26,410	1/2	41,490	1/2	56,552	1/2	71,642	1/2	86,732	1/2	101,822	1/2	116,908	1/2	131,991	1/2	147,073
3/4	11,635	3/4	26,725	3/4	41,804	3/4	56,867	3/4	71,956	3/4	87,046	3/4	102,136	3/4	117,223	3/4	132,305	3/4	147,387
9	11,949	9	27,039	9	42,117	9	57,181	9	72,271	9	87,361	9	102,450	9	117,537	9	132,619	9	147,701
1/4	12,264	1/4	27,353	1/4	42,431	1/4	57,495	1/4	72,585	1/4	87,675	1/4	102,765	1/4	117,851	1/4	132,933	1/4	148,015
1/2	12,578	1/2	27,667	1/2	42,744	1/2	57,810	1/2	72,900	1/2	87,989	1/2	103,079	1/2	118,165	1/2	133,247	1/2	148,330
3/4	12,893	3/4	27,981	3/4	43,058	3/4	58,124	3/4	73,214	3/4	88,304	3/4	103,394	3/4	118,479	3/4	133,562	3/4	148,644
10	13,207	10	28,295	10	43,371	10	58,438	10	73,528	10	88,618	10	103,708	10	118,794	10	133,876	10	148,958
1/4	13,521	1/4	28,610	1/4	43,685	1/4	58,753	1/4	73,843	1/4	88,932	1/4	104,022	1/4	119,108	1/4	134,190	1/4	149,272
1/2	13,836	1/2	28,924	1/2	43,998	1/2	59,067	1/2	74,157	1/2	89,247	1/2	104,337	1/2	119,422	1/2	134,504	1/2	149,586
3/4	14,150	3/4	29,238	3/4	44,311	3/4	59,382	3/4	74,471	3/4	89,561	3/4	104,651	3/4	119,736	3/4	134,818	3/4	149,901
11	14,464	11	29,552	11	44,625	11	59,696	11	74,786	11	89,876	11	104,965	11	120,050	11	135,133	11	150,215
1/4	14,779	1/4	29,866	1/4	44,938	1/4	60,010	1/4	75,100	1/4	90,190	1/4	105,280	1/4	120,365	1/4	135,447	1/4	150,529
1/2	15,093	1/2	30,181	1/2	45,252	1/2	60,325	1/2	75,414	1/2	90,504	1/2	105,594	1/2	120,679	1/2	135,761	1/2	150,843
3/4	15,407	3/4	30,495	3/4	45,565	3/4	60,639	3/4	75,729	3/4	90,819	3/4	105,908	3/4	120,993	3/4	136,075	3/4	151,158

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 3004"

2 STBD INNAGE 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	151,472	0	166,554	0	181,626	0	196,657	0	211,591	0		0		0		0		0	
1/4	151,786	1/4	166,868	1/4	181,939	1/4	196,970	1/4	211,871	1/4		1/4		1/4		1/4		1/4	
1/2	152,100	1/2	167,182	1/2	182,252	1/2	197,283	1/2	212,151	1/2		1/2		1/2		1/2		1/2	
3/4	152,414	3/4	167,497	3/4	182,565	3/4	197,596	3/4	212,431	3/4		3/4		3/4		3/4		3/4	
1	152,729	1	167,811	1	182,878	1	197,909	1	212,712	1		1		1		1		1	
1/4	153,043	1/4	168,125	1/4	183,191	1/4	198,222	1/4	212,943	1/4		1/4		1/4		1/4		1/4	
1/2	153,357	1/2	168,439	1/2	183,504	1/2	198,536	1/2	213,175	1/2		1/2		1/2		1/2		1/2	
3/4	153,671	3/4	168,753	3/4	183,818	3/4	198,849	3/4	213,406	3/4		3/4		3/4		3/4		3/4	
2	153,985	2	169,068	2	184,131	2	199,162	2	213,638	2		2		2		2		2	
1/4	154,300	1/4	169,382	1/4	184,444	1/4	199,475	1/4	213,817	1/4		1/4		1/4		1/4		1/4	
1/2	154,614	1/2	169,696	1/2	184,757	1/2	199,788	1/2	213,996	1/2		1/2		1/2		1/2		1/2	
3/4	154,928	3/4	170,010	3/4	185,070	3/4	200,101	3/4	214,176	3/4		3/4		3/4		3/4		3/4	
3	155,242	3	170,325	3	185,383	3	200,414	3	214,355	3		3		3		3		3	
1/4	155,557	1/4	170,639	1/4	185,696	1/4	200,728	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,871	1/2	170,953	1/2	186,010	1/2	201,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,185	3/4	171,267	3/4	186,323	3/4	201,354	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,499	4	171,581	4	186,636	4	201,667	4		4		4		4		4		4	
1/4	156,813	1/4	171,896	1/4	186,949	1/4	201,980	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,128	1/2	172,210	1/2	187,262	1/2	202,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,442	3/4	172,524	3/4	187,575	3/4	202,606	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,756	5	172,838	5	187,889	5	202,920	5		5		5		5		5		5	
1/4	158,070	1/4	173,152	1/4	188,202	1/4	203,231	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,384	1/2	173,467	1/2	188,515	1/2	203,543	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,699	3/4	173,781	3/4	188,828	3/4	203,854	3/4		3/4		3/4		3/4		3/4		3/4	
6	159,013	6	174,095	6	189,141	6	204,166	6		6		6		6		6		6	
1/4	159,327	1/4	174,409	1/4	189,454	1/4	204,476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,641	1/2	174,724	1/2	189,767	1/2	204,786	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,956	3/4	175,038	3/4	190,081	3/4	205,096	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,270	7	175,352	7	190,394	7	205,406	7		7		7		7		7		7	
1/4	160,584	1/4	175,666	1/4	190,707	1/4	205,716	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,898	1/2	175,980	1/2	191,020	1/2	206,026	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,212	3/4	176,295	3/4	191,333	3/4	206,337	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,527	8	176,609	8	191,646	8	206,647	8		8		8		8		8		8	
1/4	161,841	1/4	176,923	1/4	191,959	1/4	206,957	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,155	1/2	177,237	1/2	192,273	1/2	207,267	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,469	3/4	177,551	3/4	192,586	3/4	207,577	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,783	9	177,866	9	192,899	9	207,887	9		9		9		9		9		9	
1/4	163,098	1/4	178,179	1/4	193,212	1/4	208,198	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,412	1/2	178,493	1/2	193,525	1/2	208,508	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,726	3/4	178,807	3/4	193,838	3/4	208,818	3/4		3/4		3/4		3/4		3/4		3/4	
10	164,040	10	179,120	10	194,151	10	209,128	10		10		10		10		10		10	
1/4	164,354	1/4	179,434	1/4	194,465	1/4	209,438	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,669	1/2	179,747	1/2	194,778	1/2	209,747	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,983	3/4	180,060	3/4	195,091	3/4	210,057	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,297	11	180,373	11	195,404	11	210,367	11		11		11		11		11		11	
1/4	165,611	1/4	180,686	1/4	195,717	1/4	210,673	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,926	1/2	180,999	1/2	196,030	1/2	210,979	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,240	3/4	181,312	3/4	196,343	3/4	211,285	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "HSM 3004"

3 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	1,028	0	15,630	0	30,615	0	45,371	0	59,925	0	74,831	0	89,794	0	104,769	0	119,733	0	134,694
1/4	1,262	1/4	15,942	1/4	30,927	1/4	45,673	1/4	60,237	1/4	75,142	1/4	90,106	1/4	105,081	1/4	120,045	1/4	135,006
1/2	1,497	1/2	16,254	1/2	31,239	1/2	45,975	1/2	60,549	1/2	75,452	1/2	90,418	1/2	105,393	1/2	120,357	1/2	135,318
3/4	1,731	3/4	16,566	3/4	31,551	3/4	46,276	3/4	60,861	3/4	75,762	3/4	90,730	3/4	105,705	3/4	120,668	3/4	135,629
1	1,966	1	16,878	1	31,864	1	46,578	1	61,172	1	76,072	1	91,042	1	106,017	1	120,980	1	135,941
1/4	2,258	1/4	17,191	1/4	32,176	1/4	46,880	1/4	61,484	1/4	76,382	1/4	91,353	1/4	106,329	1/4	121,292	1/4	136,253
1/2	2,551	1/2	17,503	1/2	32,488	1/2	47,182	1/2	61,796	1/2	76,693	1/2	91,665	1/2	106,641	1/2	121,603	1/2	136,565
3/4	2,843	3/4	17,815	3/4	32,800	3/4	47,484	3/4	62,108	3/4	77,003	3/4	91,977	3/4	106,953	3/4	121,915	3/4	136,876
2	3,135	2	18,127	2	33,113	2	47,786	2	62,420	2	77,313	2	92,289	2	107,265	2	122,227	2	137,188
1/4	3,447	1/4	18,440	1/4	33,425	1/4	48,088	1/4	62,731	1/4	77,624	1/4	92,601	1/4	107,577	1/4	122,538	1/4	137,500
1/2	3,759	1/2	18,752	1/2	33,737	1/2	48,390	1/2	63,042	1/2	77,935	1/2	92,913	1/2	107,889	1/2	122,850	1/2	137,811
3/4	4,071	3/4	19,064	3/4	34,049	3/4	48,693	3/4	63,353	3/4	78,247	3/4	93,224	3/4	108,200	3/4	123,162	3/4	138,123
3	4,382	3	19,376	3	34,361	3	48,995	3	63,664	3	78,558	3	93,536	3	108,512	3	123,473	3	138,435
1/4	4,695	1/4	19,689	1/4	34,673	1/4	49,298	1/4	63,974	1/4	78,870	1/4	93,848	1/4	108,824	1/4	123,785	1/4	138,746
1/2	5,007	1/2	20,001	1/2	34,985	1/2	49,600	1/2	64,284	1/2	79,182	1/2	94,160	1/2	109,136	1/2	124,097	1/2	139,058
3/4	5,320	3/4	20,313	3/4	35,297	3/4	49,902	3/4	64,595	3/4	79,494	3/4	94,472	3/4	109,447	3/4	124,409	3/4	139,370
4	5,632	4	20,625	4	35,608	4	50,205	4	64,905	4	79,807	4	94,784	4	109,759	4	124,720	4	139,681
1/4	5,944	1/4	20,938	1/4	35,916	1/4	50,507	1/4	65,215	1/4	80,119	1/4	95,096	1/4	110,071	1/4	125,032	1/4	139,993
1/2	6,257	1/2	21,250	1/2	36,224	1/2	50,809	1/2	65,525	1/2	80,431	1/2	95,407	1/2	110,382	1/2	125,344	1/2	140,305
3/4	6,569	3/4	21,562	3/4	36,533	3/4	51,112	3/4	65,835	3/4	80,743	3/4	95,719	3/4	110,694	3/4	125,655	3/4	140,616
5	6,882	5	21,874	5	36,841	5	51,414	5	66,146	5	81,055	5	96,031	5	111,006	5	125,967	5	140,928
1/4	7,194	1/4	22,186	1/4	37,146	1/4	51,716	1/4	66,456	1/4	81,367	1/4	96,343	1/4	111,318	1/4	126,279	1/4	141,239
1/2	7,507	1/2	22,499	1/2	37,450	1/2	52,019	1/2	66,766	1/2	81,680	1/2	96,655	1/2	111,629	1/2	126,590	1/2	141,551
3/4	7,819	3/4	22,811	3/4	37,755	3/4	52,321	3/4	67,076	3/4	81,992	3/4	96,967	3/4	111,941	3/4	126,902	3/4	141,862
6	8,131	6	23,123	6	38,060	6	52,624	6	67,386	6	82,304	6	97,279	6	112,253	6	127,214	6	142,173
1/4	8,444	1/4	23,435	1/4	38,365	1/4	52,926	1/4	67,697	1/4	82,616	1/4	97,591	1/4	112,564	1/4	127,525	1/4	142,480
1/2	8,757	1/2	23,748	1/2	38,670	1/2	53,228	1/2	68,007	1/2	82,928	1/2	97,903	1/2	112,876	1/2	127,837	1/2	142,787
3/4	9,069	3/4	24,060	3/4	38,975	3/4	53,531	3/4	68,317	3/4	83,240	3/4	98,215	3/4	113,188	3/4	128,149	3/4	143,094
7	9,382	7	24,372	7	39,280	7	53,833	7	68,627	7	83,553	7	98,527	7	113,499	7	128,461	7	143,401
1/4	9,695	1/4	24,684	1/4	39,585	1/4	54,135	1/4	68,938	1/4	83,865	1/4	98,839	1/4	113,811	1/4	128,772	1/4	143,696
1/2	10,007	1/2	24,997	1/2	39,890	1/2	54,438	1/2	69,248	1/2	84,177	1/2	99,151	1/2	114,123	1/2	129,084	1/2	143,991
3/4	10,320	3/4	25,309	3/4	40,195	3/4	54,740	3/4	69,558	3/4	84,489	3/4	99,463	3/4	114,434	3/4	129,396	3/4	144,285
8	10,633	8	25,621	8	40,499	8	55,043	8	69,868	8	84,801	8	99,775	8	114,746	8	129,707	8	144,580
1/4	10,945	1/4	25,933	1/4	40,804	1/4	55,345	1/4	70,178	1/4	85,113	1/4	100,087	1/4	115,058	1/4	130,019	1/4	144,858
1/2	11,258	1/2	26,245	1/2	41,109	1/2	55,647	1/2	70,489	1/2	85,426	1/2	100,399	1/2	115,370	1/2	130,331	1/2	145,137
3/4	11,570	3/4	26,558	3/4	41,414	3/4	55,950	3/4	70,799	3/4	85,738	3/4	100,711	3/4	115,681	3/4	130,642	3/4	145,415
9	11,883	9	26,870	9	41,719	9	56,252	9	71,109	9	86,050	9	101,023	9	115,993	9	130,954	9	145,694
1/4	12,195	1/4	27,182	1/4	42,024	1/4	56,556	1/4	71,419	1/4	86,362	1/4	101,335	1/4	116,305	1/4	131,266	1/4	145,957
1/2	12,507	1/2	27,494	1/2	42,329	1/2	56,860	1/2	71,729	1/2	86,674	1/2	101,648	1/2	116,616	1/2	131,577	1/2	146,219
3/4	12,819	3/4	27,806	3/4	42,634	3/4	57,164	3/4	72,040	3/4	86,986	3/4	101,960	3/4	116,928	3/4	131,889	3/4	146,482
10	13,132	10	28,118	10	42,939	10	57,468	10	72,350	10	87,299	10	102,272	10	117,240	10	132,201	10	146,745
1/4	13,444	1/4	28,430	1/4	43,244	1/4	57,773	1/4	72,660	1/4	87,611	1/4	102,584	1/4	117,551	1/4	132,513	1/4	146,992
1/2	13,756	1/2	28,742	1/2	43,549	1/2	58,079	1/2	72,970	1/2	87,923	1/2	102,896	1/2	117,863	1/2	132,824	1/2	147,239
3/4	14,068	3/4	29,054	3/4	43,853	3/4	58,385	3/4	73,280	3/4	88,235	3/4	103,208	3/4	118,175	3/4	133,136	3/4	147,487
11	14,381	11	29,366	11	44,158	11	58,690	11	73,591	11	88,547	11	103,520	11	118,486	11	133,448	11	147,734
1/4	14,693	1/4	29,678	1/4	44,462	1/4	58,999	1/4	73,901	1/4	88,859	1/4	103,832	1/4	118,798	1/4	133,759	1/4	147,965
1/2	15,005	1/2	29,990	1/2	44,765	1/2	59,308	1/2	74,211	1/2	89,170	1/2	104,144	1/2	119,110	1/2	134,071	1/2	148,196
3/4	15,317	3/4	30,303	3/4	45,068	3/4	59,616	3/4	74,521	3/4	89,482	3/4	104,457	3/4	119,422	3/4	134,383	3/4	148,427

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 3004"

3 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	148,658	0	159,037	0	169,395	0	179,724	0	190,038	0		0		0		0		0	
1/4	148,877	1/4	159,253	1/4	169,610	1/4	179,939	1/4	190,232	1/4		1/4		1/4		1/4		1/4	
1/2	149,097	1/2	159,469	1/2	169,826	1/2	180,154	1/2	190,425	1/2		1/2		1/2		1/2		1/2	
3/4	149,316	3/4	159,685	3/4	170,041	3/4	180,370	3/4	190,618	3/4		3/4		3/4		3/4		3/4	
1	149,536	1	159,901	1	170,256	1	180,585	1	190,811	1		1		1		1		1	
1/4	149,752	1/4	160,117	1/4	170,471	1/4	180,800	1/4	190,970	1/4		1/4		1/4		1/4		1/4	
1/2	149,968	1/2	160,333	1/2	170,686	1/2	181,015	1/2	191,130	1/2		1/2		1/2		1/2		1/2	
3/4	150,184	3/4	160,549	3/4	170,901	3/4	181,230	3/4	191,289	3/4		3/4		3/4		3/4		3/4	
2	150,400	2	160,765	2	171,117	2	181,446	2	191,449	2		2		2		2		2	
1/4	150,615	1/4	160,981	1/4	171,332	1/4	181,661	1/4	191,573	1/4		1/4		1/4		1/4		1/4	
1/2	150,831	1/2	161,197	1/2	171,547	1/2	181,876	1/2	191,696	1/2		1/2		1/2		1/2		1/2	
3/4	151,047	3/4	161,413	3/4	171,762	3/4	182,091	3/4	191,820	3/4		3/4		3/4		3/4		3/4	
3	151,263	3	161,629	3	171,977	3	182,306	3	191,943	3		3		3		3		3	
1/4	151,479	1/4	161,845	1/4	172,193	1/4	182,521	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,695	1/2	162,061	1/2	172,408	1/2	182,737	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,911	3/4	162,277	3/4	172,623	3/4	182,952	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,127	4	162,492	4	172,838	4	183,167	4		4		4		4		4		4	
1/4	152,343	1/4	162,708	1/4	173,053	1/4	183,382	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,559	1/2	162,924	1/2	173,268	1/2	183,597	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,775	3/4	163,140	3/4	173,484	3/4	183,813	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,991	5	163,356	5	173,699	5	184,028	5		5		5		5		5		5	
1/4	153,207	1/4	163,572	1/4	173,914	1/4	184,243	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,423	1/2	163,788	1/2	174,129	1/2	184,458	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,639	3/4	164,004	3/4	174,344	3/4	184,673	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,855	6	164,220	6	174,560	6	184,889	6		6		6		6		6		6	
1/4	154,071	1/4	164,436	1/4	174,775	1/4	185,104	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,287	1/2	164,652	1/2	174,990	1/2	185,319	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,502	3/4	164,868	3/4	175,205	3/4	185,534	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,718	7	165,084	7	175,420	7	185,749	7		7		7		7		7		7	
1/4	154,934	1/4	165,300	1/4	175,636	1/4	185,965	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,150	1/2	165,516	1/2	175,851	1/2	186,180	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,366	3/4	165,732	3/4	176,066	3/4	186,395	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,582	8	165,948	8	176,281	8	186,610	8		8		8		8		8		8	
1/4	155,798	1/4	166,164	1/4	176,496	1/4	186,826	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,014	1/2	166,380	1/2	176,711	1/2	187,041	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,230	3/4	166,595	3/4	176,927	3/4	187,256	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,446	9	166,811	9	177,142	9	187,471	9		9		9		9		9		9	
1/4	156,662	1/4	167,027	1/4	177,357	1/4	187,687	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,878	1/2	167,243	1/2	177,572	1/2	187,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,094	3/4	167,458	3/4	177,787	3/4	188,117	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,310	10	167,674	10	178,003	10	188,332	10		10		10		10		10		10	
1/4	157,526	1/4	167,889	1/4	178,218	1/4	188,547	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,742	1/2	168,104	1/2	178,433	1/2	188,762	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,958	3/4	168,319	3/4	178,648	3/4	188,977	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,174	11	168,534	11	178,863	11	189,192	11		11		11		11		11		11	
1/4	158,390	1/4	168,750	1/4	179,079	1/4	189,404	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,605	1/2	168,965	1/2	179,294	1/2	189,615	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,821	3/4	169,180	3/4	179,509	3/4	189,827	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
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BARGE "HSM 3004"

3 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	1,029	0	15,649	0	30,668	0	45,672	0	60,690	0	75,710	0	90,730	0	105,750	0	120,754	0	135,754
1/4	1,263	1/4	15,962	1/4	30,981	1/4	45,984	1/4	61,003	1/4	76,023	1/4	91,043	1/4	106,063	1/4	121,066	1/4	136,066
1/2	1,498	1/2	16,275	1/2	31,294	1/2	46,297	1/2	61,316	1/2	76,336	1/2	91,356	1/2	106,376	1/2	121,379	1/2	136,379
3/4	1,732	3/4	16,587	3/4	31,607	3/4	46,610	3/4	61,629	3/4	76,649	3/4	91,669	3/4	106,689	3/4	121,691	3/4	136,691
1	1,967	1	16,900	1	31,920	1	46,922	1	61,942	1	76,962	1	91,982	1	107,002	1	122,004	1	137,004
1/4	2,260	1/4	17,213	1/4	32,233	1/4	47,235	1/4	62,255	1/4	77,275	1/4	92,295	1/4	107,315	1/4	122,316	1/4	137,316
1/2	2,552	1/2	17,526	1/2	32,546	1/2	47,548	1/2	62,568	1/2	77,588	1/2	92,608	1/2	107,628	1/2	122,629	1/2	137,629
3/4	2,845	3/4	17,839	3/4	32,859	3/4	47,861	3/4	62,881	3/4	77,901	3/4	92,921	3/4	107,940	3/4	122,941	3/4	137,941
2	3,137	2	18,152	2	33,172	2	48,174	2	63,194	2	78,214	2	93,234	2	108,253	2	123,254	2	138,254
1/4	3,449	1/4	18,465	1/4	33,484	1/4	48,487	1/4	63,507	1/4	78,527	1/4	93,547	1/4	108,566	1/4	123,566	1/4	138,566
1/2	3,761	1/2	18,778	1/2	33,797	1/2	48,799	1/2	63,819	1/2	78,840	1/2	93,860	1/2	108,878	1/2	123,879	1/2	138,879
3/4	4,073	3/4	19,091	3/4	34,110	3/4	49,112	3/4	64,132	3/4	79,152	3/4	94,173	3/4	109,191	3/4	124,191	3/4	139,191
3	4,385	3	19,404	3	34,423	3	49,425	3	64,445	3	79,465	3	94,485	3	109,504	3	124,504	3	139,504
1/4	4,698	1/4	19,717	1/4	34,736	1/4	49,738	1/4	64,758	1/4	79,778	1/4	94,798	1/4	109,816	1/4	124,816	1/4	139,816
1/2	5,010	1/2	20,029	1/2	35,049	1/2	50,051	1/2	65,071	1/2	80,091	1/2	95,111	1/2	110,129	1/2	125,129	1/2	140,129
3/4	5,323	3/4	20,342	3/4	35,361	3/4	50,364	3/4	65,384	3/4	80,404	3/4	95,424	3/4	110,441	3/4	125,441	3/4	140,441
4	5,636	4	20,655	4	35,674	4	50,677	4	65,697	4	80,717	4	95,737	4	110,754	4	125,754	4	140,754
1/4	5,949	1/4	20,968	1/4	35,986	1/4	50,990	1/4	66,010	1/4	81,030	1/4	96,050	1/4	111,066	1/4	126,066	1/4	141,066
1/2	6,262	1/2	21,281	1/2	36,299	1/2	51,303	1/2	66,323	1/2	81,343	1/2	96,363	1/2	111,379	1/2	126,379	1/2	141,379
3/4	6,574	3/4	21,594	3/4	36,611	3/4	51,616	3/4	66,636	3/4	81,656	3/4	96,676	3/4	111,691	3/4	126,691	3/4	141,691
5	6,887	5	21,907	5	36,924	5	51,929	5	66,949	5	81,969	5	96,989	5	112,004	5	127,004	5	142,004
1/4	7,200	1/4	22,220	1/4	37,236	1/4	52,242	1/4	67,262	1/4	82,282	1/4	97,302	1/4	112,316	1/4	127,316	1/4	142,316
1/2	7,513	1/2	22,533	1/2	37,548	1/2	52,554	1/2	67,574	1/2	82,595	1/2	97,615	1/2	112,629	1/2	127,629	1/2	142,628
3/4	7,826	3/4	22,846	3/4	37,861	3/4	52,867	3/4	67,887	3/4	82,907	3/4	97,928	3/4	112,941	3/4	127,941	3/4	142,940
6	8,139	6	23,159	6	38,173	6	53,180	6	68,200	6	83,220	6	98,240	6	113,254	6	128,254	6	143,253
1/4	8,452	1/4	23,471	1/4	38,486	1/4	53,493	1/4	68,513	1/4	83,533	1/4	98,553	1/4	113,566	1/4	128,566	1/4	143,560
1/2	8,765	1/2	23,784	1/2	38,798	1/2	53,806	1/2	68,826	1/2	83,846	1/2	98,866	1/2	113,879	1/2	128,879	1/2	143,868
3/4	9,078	3/4	24,097	3/4	39,111	3/4	54,119	3/4	69,139	3/4	84,159	3/4	99,179	3/4	114,191	3/4	129,191	3/4	144,176
7	9,391	7	24,410	7	39,423	7	54,432	7	69,452	7	84,472	7	99,492	7	114,504	7	129,504	7	144,484
1/4	9,703	1/4	24,723	1/4	39,735	1/4	54,745	1/4	69,765	1/4	84,785	1/4	99,805	1/4	114,816	1/4	129,816	1/4	144,779
1/2	10,016	1/2	25,036	1/2	40,048	1/2	55,058	1/2	70,078	1/2	85,098	1/2	100,118	1/2	115,129	1/2	130,129	1/2	145,074
3/4	10,329	3/4	25,349	3/4	40,360	3/4	55,371	3/4	70,391	3/4	85,411	3/4	100,431	3/4	115,441	3/4	130,441	3/4	145,370
8	10,642	8	25,662	8	40,673	8	55,684	8	70,704	8	85,724	8	100,744	8	115,754	8	130,754	8	145,665
1/4	10,955	1/4	25,975	1/4	40,985	1/4	55,997	1/4	71,017	1/4	86,037	1/4	101,057	1/4	116,066	1/4	131,066	1/4	145,944
1/2	11,268	1/2	26,288	1/2	41,297	1/2	56,309	1/2	71,330	1/2	86,350	1/2	101,370	1/2	116,379	1/2	131,379	1/2	146,224
3/4	11,581	3/4	26,601	3/4	41,610	3/4	56,622	3/4	71,642	3/4	86,662	3/4	101,683	3/4	116,691	3/4	131,691	3/4	146,503
9	11,894	9	26,913	9	41,922	9	56,935	9	71,955	9	86,975	9	101,995	9	117,004	9	132,004	9	146,782
1/4	12,207	1/4	27,226	1/4	42,235	1/4	57,248	1/4	72,268	1/4	87,288	1/4	102,308	1/4	117,316	1/4	132,316	1/4	147,046
1/2	12,520	1/2	27,539	1/2	42,547	1/2	57,561	1/2	72,581	1/2	87,601	1/2	102,621	1/2	117,629	1/2	132,629	1/2	147,309
3/4	12,833	3/4	27,852	3/4	42,860	3/4	57,874	3/4	72,894	3/4	87,914	3/4	102,934	3/4	117,941	3/4	132,941	3/4	147,572
10	13,145	10	28,165	10	43,172	10	58,187	10	73,207	10	88,227	10	103,247	10	118,254	10	133,254	10	147,836
1/4	13,458	1/4	28,478	1/4	43,484	1/4	58,500	1/4	73,520	1/4	88,540	1/4	103,560	1/4	118,566	1/4	133,566	1/4	148,083
1/2	13,771	1/2	28,791	1/2	43,797	1/2	58,813	1/2	73,833	1/2	88,853	1/2	103,873	1/2	118,879	1/2	133,879	1/2	148,330
3/4	14,084	3/4	29,104	3/4	44,109	3/4	59,126	3/4	74,146	3/4	89,166	3/4	104,186	3/4	119,191	3/4	134,191	3/4	148,578
11	14,397	11	29,417	11	44,422	11	59,439	11	74,459	11	89,479	11	104,499	11	119,504	11	134,504	11	148,825
1/4	14,710	1/4	29,730	1/4	44,734	1/4	59,752	1/4	74,772	1/4	89,792	1/4	104,812	1/4	119,816	1/4	134,816	1/4	149,056
1/2	15,023	1/2	30,042	1/2	45,047	1/2	60,064	1/2	75,085	1/2	90,105	1/2	105,125	1/2	120,129	1/2	135,129	1/2	149,287
3/4	15,336	3/4	30,355	3/4	45,359	3/4	60,377	3/4	75,397	3/4	90,417	3/4	105,438	3/4	120,441	3/4	135,441	3/4	149,519

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 3004"

3 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	149,750	0	160,134	0	170,496	0	180,829	0	191,147	0		0		0		0		0	
1/4	149,969	1/4	160,350	1/4	170,711	1/4	181,044	1/4	191,340	1/4		1/4		1/4		1/4		1/4	
1/2	150,189	1/2	160,566	1/2	170,926	1/2	181,259	1/2	191,533	1/2		1/2		1/2		1/2		1/2	
3/4	150,408	3/4	160,782	3/4	171,141	3/4	181,474	3/4	191,726	3/4		3/4		3/4		3/4		3/4	
1	150,628	1	160,998	1	171,357	1	181,690	1	191,920	1		1		1		1		1	
1/4	150,844	1/4	161,214	1/4	171,572	1/4	181,905	1/4	192,079	1/4		1/4		1/4		1/4		1/4	
1/2	151,060	1/2	161,430	1/2	171,787	1/2	182,120	1/2	192,239	1/2		1/2		1/2		1/2		1/2	
3/4	151,276	3/4	161,646	3/4	172,002	3/4	182,335	3/4	192,399	3/4		3/4		3/4		3/4		3/4	
2	151,492	2	161,862	2	172,218	2	182,551	2	192,558	2		2		2		2		2	
1/4	151,708	1/4	162,078	1/4	172,433	1/4	182,766	1/4	192,682	1/4		1/4		1/4		1/4		1/4	
1/2	151,924	1/2	162,294	1/2	172,648	1/2	182,981	1/2	192,806	1/2		1/2		1/2		1/2		1/2	
3/4	152,140	3/4	162,510	3/4	172,864	3/4	183,197	3/4	192,929	3/4		3/4		3/4		3/4		3/4	
3	152,356	3	162,726	3	173,079	3	183,412	3	193,053	3		3		3		3		3	
1/4	152,572	1/4	162,942	1/4	173,294	1/4	183,627	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,788	1/2	163,158	1/2	173,509	1/2	183,842	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,004	3/4	163,374	3/4	173,725	3/4	184,058	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,220	4	163,590	4	173,940	4	184,273	4		4		4		4		4		4	
1/4	153,437	1/4	163,806	1/4	174,155	1/4	184,488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,653	1/2	164,022	1/2	174,370	1/2	184,703	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,869	3/4	164,238	3/4	174,586	3/4	184,919	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,085	5	164,454	5	174,801	5	185,134	5		5		5		5		5		5	
1/4	154,301	1/4	164,670	1/4	175,016	1/4	185,349	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,517	1/2	164,886	1/2	175,232	1/2	185,565	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,733	3/4	165,102	3/4	175,447	3/4	185,780	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,949	6	165,318	6	175,662	6	185,995	6		6		6		6		6		6	
1/4	155,165	1/4	165,534	1/4	175,877	1/4	186,210	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,381	1/2	165,750	1/2	176,093	1/2	186,426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,597	3/4	165,966	3/4	176,308	3/4	186,641	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,813	7	166,182	7	176,523	7	186,856	7		7		7		7		7		7	
1/4	156,029	1/4	166,398	1/4	176,738	1/4	187,072	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,245	1/2	166,615	1/2	176,954	1/2	187,287	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,461	3/4	166,831	3/4	177,169	3/4	187,502	3/4		3/4		3/4		3/4		3/4		3/4	
8	156,677	8	167,047	8	177,384	8	187,718	8		8		8		8		8		8	
1/4	156,893	1/4	167,263	1/4	177,600	1/4	187,933	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,109	1/2	167,479	1/2	177,815	1/2	188,148	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,325	3/4	167,695	3/4	178,030	3/4	188,364	3/4		3/4		3/4		3/4		3/4		3/4	
9	157,541	9	167,911	9	178,245	9	188,579	9		9		9		9		9		9	
1/4	157,757	1/4	168,126	1/4	178,461	1/4	188,794	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,973	1/2	168,342	1/2	178,676	1/2	189,010	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,189	3/4	168,558	3/4	178,891	3/4	189,225	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,405	10	168,773	10	179,106	10	189,440	10		10		10		10		10		10	
1/4	158,621	1/4	168,989	1/4	179,322	1/4	189,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,837	1/2	169,204	1/2	179,537	1/2	189,870	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,053	3/4	169,419	3/4	179,752	3/4	190,085	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,269	11	169,634	11	179,967	11	190,300	11		11		11		11		11		11	
1/4	159,485	1/4	169,850	1/4	180,183	1/4	190,512	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,701	1/2	170,065	1/2	180,398	1/2	190,724	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,918	3/4	170,280	3/4	180,613	3/4	190,935	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 11/21/2016 SW
CALCULATED: 11/22/2016 CL
PRINTED: 11/25/2016 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 11/2016

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "HSM 3004"

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 3004"

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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CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK AT GAUGE POINT.

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Pearland, Texas 77588
<http://www.pmacorp.net>



BARGE "HSM 3004"

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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