



BARGE "HSM 3005"

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	00-1/8	- 00-1/8	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 3005"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	386	0	13,270	0	28,216	0	43,259	0	58,241	0	73,241	0	88,285	0	103,329	0	118,367	0	133,404
1/4	563	1/4	13,571	1/4	28,530	1/4	43,573	1/4	58,552	1/4	73,555	1/4	88,598	1/4	103,642	1/4	118,681	1/4	133,718
1/2	740	1/2	13,873	1/2	28,843	1/2	43,886	1/2	58,863	1/2	73,868	1/2	88,912	1/2	103,955	1/2	118,994	1/2	134,031
3/4	917	3/4	14,175	3/4	29,156	3/4	44,199	3/4	59,174	3/4	74,182	3/4	89,225	3/4	104,269	3/4	119,307	3/4	134,344
1	1,094	1	14,477	1	29,470	1	44,513	1	59,485	1	74,495	1	89,539	1	104,582	1	119,621	1	134,658
1/4	1,333	1/4	14,783	1/4	29,783	1/4	44,826	1/4	59,796	1/4	74,808	1/4	89,852	1/4	104,896	1/4	119,934	1/4	134,971
1/2	1,572	1/2	15,088	1/2	30,097	1/2	45,140	1/2	60,107	1/2	75,122	1/2	90,165	1/2	105,209	1/2	120,247	1/2	135,284
3/4	1,811	3/4	15,394	3/4	30,410	3/4	45,453	3/4	60,418	3/4	75,435	3/4	90,479	3/4	105,522	3/4	120,560	3/4	135,597
2	2,050	2	15,700	2	30,723	2	45,766	2	60,729	2	75,749	2	90,792	2	105,836	2	120,874	2	135,911
1/4	2,313	1/4	16,009	1/4	31,037	1/4	46,080	1/4	61,040	1/4	76,062	1/4	91,106	1/4	106,149	1/4	121,187	1/4	136,224
1/2	2,575	1/2	16,319	1/2	31,350	1/2	46,393	1/2	61,351	1/2	76,376	1/2	91,419	1/2	106,463	1/2	121,500	1/2	136,537
3/4	2,837	3/4	16,628	3/4	31,664	3/4	46,707	3/4	61,662	3/4	76,689	3/4	91,732	3/4	106,776	3/4	121,813	3/4	136,850
3	3,099	3	16,938	3	31,977	3	47,020	3	61,973	3	77,002	3	92,046	3	107,089	3	122,127	3	137,164
1/4	3,366	1/4	17,250	1/4	32,290	1/4	47,333	1/4	62,285	1/4	77,316	1/4	92,359	1/4	107,403	1/4	122,440	1/4	137,477
1/2	3,633	1/2	17,563	1/2	32,604	1/2	47,647	1/2	62,596	1/2	77,629	1/2	92,673	1/2	107,716	1/2	122,753	1/2	137,790
3/4	3,900	3/4	17,875	3/4	32,917	3/4	47,960	3/4	62,907	3/4	77,943	3/4	92,986	3/4	108,029	3/4	123,067	3/4	138,104
4	4,167	4	18,187	4	33,231	4	48,274	4	63,218	4	78,256	4	93,299	4	108,343	4	123,380	4	138,417
1/4	4,438	1/4	18,501	1/4	33,544	1/4	48,586	1/4	63,530	1/4	78,569	1/4	93,613	1/4	108,656	1/4	123,693	1/4	138,730
1/2	4,709	1/2	18,814	1/2	33,857	1/2	48,899	1/2	63,842	1/2	78,883	1/2	93,926	1/2	108,969	1/2	124,006	1/2	139,043
3/4	4,980	3/4	19,128	3/4	34,171	3/4	49,212	3/4	64,155	3/4	79,196	3/4	94,240	3/4	109,283	3/4	124,320	3/4	139,357
5	5,251	5	19,441	5	34,484	5	49,524	5	64,467	5	79,510	5	94,553	5	109,596	5	124,633	5	139,670
1/4	5,525	1/4	19,754	1/4	34,798	1/4	49,836	1/4	64,780	1/4	79,823	1/4	94,867	1/4	109,909	1/4	124,946	1/4	139,983
1/2	5,800	1/2	20,068	1/2	35,111	1/2	50,148	1/2	65,093	1/2	80,136	1/2	95,180	1/2	110,222	1/2	125,259	1/2	140,296
3/4	6,075	3/4	20,381	3/4	35,424	3/4	50,460	3/4	65,406	3/4	80,450	3/4	95,493	3/4	110,536	3/4	125,573	3/4	140,610
6	6,350	6	20,695	6	35,738	6	50,772	6	65,720	6	80,763	6	95,807	6	110,849	6	125,886	6	140,923
1/4	6,629	1/4	21,008	1/4	36,051	1/4	51,084	1/4	66,033	1/4	81,077	1/4	96,120	1/4	111,162	1/4	126,199	1/4	141,236
1/2	6,907	1/2	21,321	1/2	36,365	1/2	51,396	1/2	66,346	1/2	81,390	1/2	96,434	1/2	111,475	1/2	126,513	1/2	141,550
3/4	7,186	3/4	21,635	3/4	36,678	3/4	51,707	3/4	66,660	3/4	81,703	3/4	96,747	3/4	111,789	3/4	126,826	3/4	141,863
7	7,465	7	21,948	7	36,991	7	52,019	7	66,973	7	82,017	7	97,060	7	112,102	7	127,139	7	142,176
1/4	7,747	1/4	22,262	1/4	37,305	1/4	52,330	1/4	67,287	1/4	82,330	1/4	97,374	1/4	112,415	1/4	127,452	1/4	142,489
1/2	8,030	1/2	22,575	1/2	37,618	1/2	52,642	1/2	67,600	1/2	82,644	1/2	97,687	1/2	112,729	1/2	127,766	1/2	142,803
3/4	8,312	3/4	22,888	3/4	37,932	3/4	52,953	3/4	67,914	3/4	82,957	3/4	98,001	3/4	113,042	3/4	128,079	3/4	143,116
8	8,595	8	23,202	8	38,245	8	53,264	8	68,227	8	83,270	8	98,314	8	113,355	8	128,392	8	143,429
1/4	8,881	1/4	23,515	1/4	38,558	1/4	53,575	1/4	68,540	1/4	83,584	1/4	98,627	1/4	113,668	1/4	128,705	1/4	143,742
1/2	9,167	1/2	23,829	1/2	38,872	1/2	53,886	1/2	68,854	1/2	83,897	1/2	98,941	1/2	113,982	1/2	129,019	1/2	144,056
3/4	9,454	3/4	24,142	3/4	39,185	3/4	54,197	3/4	69,167	3/4	84,211	3/4	99,254	3/4	114,295	3/4	129,332	3/4	144,369
9	9,740	9	24,455	9	39,499	9	54,508	9	69,481	9	84,524	9	99,568	9	114,608	9	129,645	9	144,682
1/4	10,031	1/4	24,769	1/4	39,812	1/4	54,819	1/4	69,794	1/4	84,837	1/4	99,881	1/4	114,921	1/4	129,959	1/4	144,996
1/2	10,321	1/2	25,082	1/2	40,125	1/2	55,130	1/2	70,107	1/2	85,151	1/2	100,194	1/2	115,235	1/2	130,272	1/2	145,309
3/4	10,611	3/4	25,396	3/4	40,439	3/4	55,441	3/4	70,421	3/4	85,464	3/4	100,508	3/4	115,548	3/4	130,585	3/4	145,622
10	10,901	10	25,709	10	40,752	10	55,752	10	70,734	10	85,778	10	100,821	10	115,861	10	130,898	10	145,935
1/4	11,195	1/4	26,022	1/4	41,066	1/4	56,063	1/4	71,048	1/4	86,091	1/4	101,135	1/4	116,175	1/4	131,212	1/4	146,249
1/2	11,489	1/2	26,336	1/2	41,379	1/2	56,374	1/2	71,361	1/2	86,405	1/2	101,448	1/2	116,488	1/2	131,525	1/2	146,562
3/4	11,784	3/4	26,649	3/4	41,692	3/4	56,686	3/4	71,674	3/4	86,718	3/4	101,761	3/4	116,801	3/4	131,838	3/4	146,875
11	12,078	11	26,963	11	42,006	11	56,997	11	71,988	11	87,031	11	102,075	11	117,114	11	132,151	11	147,188
1/4	12,376	1/4	27,276	1/4	42,319	1/4	57,308	1/4	72,301	1/4	87,345	1/4	102,388	1/4	117,428	1/4	132,465	1/4	147,502
1/2	12,674	1/2	27,589	1/2	42,632	1/2	57,619	1/2	72,615	1/2	87,658	1/2	102,702	1/2	117,741	1/2	132,778	1/2	147,815
3/4	12,972	3/4	27,903	3/4	42,946	3/4	57,930	3/4	72,928	3/4	87,972	3/4	103,015	3/4	118,054	3/4	133,091	3/4	148,128

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 3005"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15' 05 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	148,442	0	163,479	0	178,506	0	193,500	0	208,420	0		0		0		0		0	
1/4	148,755	1/4	163,792	1/4	178,819	1/4	193,812	1/4	208,701	1/4		1/4		1/4		1/4		1/4	
1/2	149,068	1/2	164,105	1/2	179,131	1/2	194,124	1/2	208,981	1/2		1/2		1/2		1/2		1/2	
3/4	149,381	3/4	164,418	3/4	179,444	3/4	194,437	3/4	209,262	3/4		3/4		3/4		3/4		3/4	
1	149,695	1	164,732	1	179,756	1	194,749	1	209,542	1		1		1		1		1	
1/4	150,008	1/4	165,045	1/4	180,068	1/4	195,061	1/4	209,774	1/4		1/4		1/4		1/4		1/4	
1/2	150,321	1/2	165,358	1/2	180,381	1/2	195,374	1/2	210,006	1/2		1/2		1/2		1/2		1/2	
3/4	150,634	3/4	165,671	3/4	180,693	3/4	195,686	3/4	210,238	3/4		3/4		3/4		3/4		3/4	
2	150,948	2	165,985	2	181,005	2	195,999	2	210,470	2		2		2		2		2	
1/4	151,261	1/4	166,298	1/4	181,318	1/4	196,311	1/4	210,650	1/4		1/4		1/4		1/4		1/4	
1/2	151,574	1/2	166,611	1/2	181,630	1/2	196,623	1/2	210,830	1/2		1/2		1/2		1/2		1/2	
3/4	151,888	3/4	166,925	3/4	181,942	3/4	196,936	3/4	211,009	3/4		3/4		3/4		3/4		3/4	
3	152,201	3	167,238	3	182,255	3	197,248	3	211,189	3		3		3		3		3	
1/4	152,514	1/4	167,551	1/4	182,567	1/4	197,560	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,827	1/2	167,864	1/2	182,879	1/2	197,873	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,141	3/4	168,178	3/4	183,192	3/4	198,185	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,454	4	168,491	4	183,504	4	198,497	4		4		4		4		4		4	
1/4	153,767	1/4	168,804	1/4	183,817	1/4	198,810	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,080	1/2	169,117	1/2	184,129	1/2	199,122	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,394	3/4	169,431	3/4	184,441	3/4	199,434	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,707	5	169,744	5	184,754	5	199,747	5		5		5		5		5		5	
1/4	155,020	1/4	170,057	1/4	185,066	1/4	200,058	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,334	1/2	170,371	1/2	185,378	1/2	200,369	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,647	3/4	170,684	3/4	185,691	3/4	200,681	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,960	6	170,997	6	186,003	6	200,992	6		6		6		6		6		6	
1/4	156,273	1/4	171,310	1/4	186,315	1/4	201,302	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,587	1/2	171,624	1/2	186,628	1/2	201,612	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,900	3/4	171,937	3/4	186,940	3/4	201,923	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,213	7	172,250	7	187,252	7	202,233	7		7		7		7		7		7	
1/4	157,526	1/4	172,563	1/4	187,565	1/4	202,543	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,840	1/2	172,877	1/2	187,877	1/2	202,853	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,153	3/4	173,190	3/4	188,190	3/4	203,164	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,466	8	173,503	8	188,502	8	203,474	8		8		8		8		8		8	
1/4	158,779	1/4	173,817	1/4	188,814	1/4	203,784	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,093	1/2	174,130	1/2	189,127	1/2	204,095	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,406	3/4	174,443	3/4	189,439	3/4	204,405	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,719	9	174,756	9	189,751	9	204,715	9		9		9		9		9		9	
1/4	160,033	1/4	175,069	1/4	190,064	1/4	205,026	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,346	1/2	175,382	1/2	190,376	1/2	205,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,659	3/4	175,695	3/4	190,688	3/4	205,646	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,972	10	176,008	10	191,001	10	205,956	10		10		10		10		10		10	
1/4	161,286	1/4	176,320	1/4	191,313	1/4	206,266	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,599	1/2	176,632	1/2	191,625	1/2	206,576	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,912	3/4	176,945	3/4	191,938	3/4	206,886	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,225	11	177,257	11	192,250	11	207,196	11		11		11		11		11		11	
1/4	162,539	1/4	177,569	1/4	192,563	1/4	207,502	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,852	1/2	177,882	1/2	192,875	1/2	207,808	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,165	3/4	178,194	3/4	193,187	3/4	208,114	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 3005"

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	13,269	0	28,216	0	43,259	0	58,297	0	73,337	0	88,381	0	103,424	0	118,463	0	133,499
1/4	563	1/4	13,571	1/4	28,529	1/4	43,572	1/4	58,610	1/4	73,651	1/4	88,694	1/4	103,737	1/4	118,776	1/4	133,813
1/2	740	1/2	13,873	1/2	28,843	1/2	43,885	1/2	58,923	1/2	73,964	1/2	89,007	1/2	104,051	1/2	119,089	1/2	134,126
3/4	917	3/4	14,175	3/4	29,156	3/4	44,199	3/4	59,236	3/4	74,278	3/4	89,321	3/4	104,364	3/4	119,402	3/4	134,439
1	1,094	1	14,477	1	29,469	1	44,512	1	59,550	1	74,591	1	89,634	1	104,677	1	119,716	1	134,752
1/4	1,333	1/4	14,782	1/4	29,783	1/4	44,825	1/4	59,863	1/4	74,904	1/4	89,948	1/4	104,991	1/4	120,029	1/4	135,066
1/2	1,572	1/2	15,088	1/2	30,096	1/2	45,139	1/2	60,176	1/2	75,218	1/2	90,261	1/2	105,304	1/2	120,342	1/2	135,379
3/4	1,811	3/4	15,394	3/4	30,409	3/4	45,452	3/4	60,489	3/4	75,531	3/4	90,574	3/4	105,618	3/4	120,655	3/4	135,692
2	2,050	2	15,699	2	30,723	2	45,766	2	60,802	2	75,845	2	90,888	2	105,931	2	120,969	2	136,005
1/4	2,313	1/4	16,009	1/4	31,036	1/4	46,079	1/4	61,116	1/4	76,158	1/4	91,201	1/4	106,244	1/4	121,282	1/4	136,319
1/2	2,575	1/2	16,318	1/2	31,350	1/2	46,392	1/2	61,429	1/2	76,471	1/2	91,515	1/2	106,558	1/2	121,595	1/2	136,632
3/4	2,837	3/4	16,628	3/4	31,663	3/4	46,706	3/4	61,742	3/4	76,785	3/4	91,828	3/4	106,871	3/4	121,908	3/4	136,945
3	3,100	3	16,938	3	31,976	3	47,019	3	62,055	3	77,098	3	92,141	3	107,185	3	122,222	3	137,258
1/4	3,366	1/4	17,250	1/4	32,290	1/4	47,333	1/4	62,369	1/4	77,412	1/4	92,455	1/4	107,498	1/4	122,535	1/4	137,572
1/2	3,633	1/2	17,562	1/2	32,603	1/2	47,646	1/2	62,682	1/2	77,725	1/2	92,768	1/2	107,811	1/2	122,848	1/2	137,885
3/4	3,900	3/4	17,875	3/4	32,917	3/4	47,959	3/4	62,995	3/4	78,038	3/4	93,082	3/4	108,125	3/4	123,161	3/4	138,198
4	4,167	4	18,187	4	33,230	4	48,273	4	63,309	4	78,352	4	93,395	4	108,438	4	123,475	4	138,512
1/4	4,438	1/4	18,501	1/4	33,543	1/4	48,586	1/4	63,622	1/4	78,665	1/4	93,708	1/4	108,751	1/4	123,788	1/4	138,825
1/2	4,709	1/2	18,814	1/2	33,857	1/2	48,900	1/2	63,935	1/2	78,979	1/2	94,022	1/2	109,065	1/2	124,101	1/2	139,138
3/4	4,980	3/4	19,127	3/4	34,170	3/4	49,213	3/4	64,249	3/4	79,292	3/4	94,335	3/4	109,378	3/4	124,415	3/4	139,451
5	5,251	5	19,441	5	34,484	5	49,526	5	64,562	5	79,605	5	94,649	5	109,691	5	124,728	5	139,765
1/4	5,525	1/4	19,754	1/4	34,797	1/4	49,840	1/4	64,876	1/4	79,919	1/4	94,962	1/4	110,004	1/4	125,041	1/4	140,078
1/2	5,800	1/2	20,068	1/2	35,110	1/2	50,153	1/2	65,189	1/2	80,232	1/2	95,275	1/2	110,318	1/2	125,354	1/2	140,391
3/4	6,075	3/4	20,381	3/4	35,424	3/4	50,467	3/4	65,502	3/4	80,546	3/4	95,589	3/4	110,631	3/4	125,668	3/4	140,704
6	6,350	6	20,694	6	35,737	6	50,780	6	65,816	6	80,859	6	95,902	6	110,944	6	125,981	6	141,018
1/4	6,629	1/4	21,008	1/4	36,051	1/4	51,093	1/4	66,129	1/4	81,172	1/4	96,216	1/4	111,257	1/4	126,294	1/4	141,331
1/2	6,907	1/2	21,321	1/2	36,364	1/2	51,407	1/2	66,443	1/2	81,486	1/2	96,529	1/2	111,571	1/2	126,607	1/2	141,644
3/4	7,186	3/4	21,635	3/4	36,677	3/4	51,720	3/4	66,756	3/4	81,799	3/4	96,842	3/4	111,884	3/4	126,921	3/4	141,957
7	7,465	7	21,948	7	36,991	7	52,033	7	67,069	7	82,113	7	97,156	7	112,197	7	127,234	7	142,271
1/4	7,747	1/4	22,261	1/4	37,304	1/4	52,347	1/4	67,383	1/4	82,426	1/4	97,469	1/4	112,510	1/4	127,547	1/4	142,584
1/2	8,030	1/2	22,575	1/2	37,617	1/2	52,660	1/2	67,696	1/2	82,739	1/2	97,783	1/2	112,824	1/2	127,860	1/2	142,897
3/4	8,312	3/4	22,888	3/4	37,931	3/4	52,973	3/4	68,010	3/4	83,053	3/4	98,096	3/4	113,137	3/4	128,174	3/4	143,211
8	8,595	8	23,201	8	38,244	8	53,286	8	68,323	8	83,366	8	98,409	8	113,450	8	128,487	8	143,524
1/4	8,881	1/4	23,515	1/4	38,558	1/4	53,599	1/4	68,636	1/4	83,680	1/4	98,723	1/4	113,764	1/4	128,800	1/4	143,837
1/2	9,167	1/2	23,828	1/2	38,871	1/2	53,913	1/2	68,950	1/2	83,993	1/2	99,036	1/2	114,077	1/2	129,114	1/2	144,150
3/4	9,454	3/4	24,142	3/4	39,184	3/4	54,226	3/4	69,263	3/4	84,306	3/4	99,350	3/4	114,390	3/4	129,427	3/4	144,464
9	9,740	9	24,455	9	39,498	9	54,539	9	69,577	9	84,620	9	99,663	9	114,703	9	129,740	9	144,777
1/4	10,030	1/4	24,768	1/4	39,811	1/4	54,852	1/4	69,890	1/4	84,933	1/4	99,976	1/4	115,017	1/4	130,053	1/4	145,090
1/2	10,321	1/2	25,082	1/2	40,125	1/2	55,165	1/2	70,203	1/2	85,247	1/2	100,290	1/2	115,330	1/2	130,367	1/2	145,403
3/4	10,611	3/4	25,395	3/4	40,438	3/4	55,478	3/4	70,517	3/4	85,560	3/4	100,603	3/4	115,643	3/4	130,680	3/4	145,717
10	10,901	10	25,709	10	40,751	10	55,792	10	70,830	10	85,873	10	100,917	10	115,956	10	130,993	10	146,030
1/4	11,195	1/4	26,022	1/4	41,065	1/4	56,105	1/4	71,144	1/4	86,187	1/4	101,230	1/4	116,270	1/4	131,306	1/4	146,343
1/2	11,489	1/2	26,335	1/2	41,378	1/2	56,418	1/2	71,457	1/2	86,500	1/2	101,543	1/2	116,583	1/2	131,620	1/2	146,657
3/4	11,783	3/4	26,649	3/4	41,692	3/4	56,731	3/4	71,770	3/4	86,814	3/4	101,857	3/4	116,896	3/4	131,933	3/4	146,970
11	12,078	11	26,962	11	42,005	11	57,044	11	72,084	11	87,127	11	102,170	11	117,209	11	132,246	11	147,283
1/4	12,376	1/4	27,276	1/4	42,318	1/4	57,357	1/4	72,397	1/4	87,440	1/4	102,484	1/4	117,523	1/4	132,559	1/4	147,596
1/2	12,673	1/2	27,589	1/2	42,632	1/2	57,671	1/2	72,711	1/2	87,754	1/2	102,797	1/2	117,836	1/2	132,873	1/2	147,910
3/4	12,971	3/4	27,902	3/4	42,945	3/4	57,984	3/4	73,024	3/4	88,067	3/4	103,110	3/4	118,149	3/4	133,186	3/4	148,223

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 3005"

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	148,536	0	163,573	0	178,601	0	193,594	0	208,515	0		0		0		0		0	
1/4	148,849	1/4	163,886	1/4	178,913	1/4	193,906	1/4	208,795	1/4		1/4		1/4		1/4		1/4	
1/2	149,163	1/2	164,200	1/2	179,226	1/2	194,219	1/2	209,076	1/2		1/2		1/2		1/2		1/2	
3/4	149,476	3/4	164,513	3/4	179,538	3/4	194,531	3/4	209,356	3/4		3/4		3/4		3/4		3/4	
1	149,789	1	164,826	1	179,850	1	194,844	1	209,637	1		1		1		1		1	
1/4	150,103	1/4	165,140	1/4	180,163	1/4	195,156	1/4	209,869	1/4		1/4		1/4		1/4		1/4	
1/2	150,416	1/2	165,453	1/2	180,475	1/2	195,468	1/2	210,101	1/2		1/2		1/2		1/2		1/2	
3/4	150,729	3/4	165,766	3/4	180,788	3/4	195,781	3/4	210,333	3/4		3/4		3/4		3/4		3/4	
2	151,042	2	166,079	2	181,100	2	196,093	2	210,565	2		2		2		2		2	
1/4	151,356	1/4	166,393	1/4	181,412	1/4	196,405	1/4	210,744	1/4		1/4		1/4		1/4		1/4	
1/2	151,669	1/2	166,706	1/2	181,725	1/2	196,718	1/2	210,924	1/2		1/2		1/2		1/2		1/2	
3/4	151,982	3/4	167,019	3/4	182,037	3/4	197,030	3/4	211,104	3/4		3/4		3/4		3/4		3/4	
3	152,295	3	167,332	3	182,349	3	197,342	3	211,284	3		3		3		3		3	
1/4	152,609	1/4	167,646	1/4	182,662	1/4	197,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,922	1/2	167,959	1/2	182,974	1/2	197,967	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,235	3/4	168,272	3/4	183,286	3/4	198,279	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,549	4	168,585	4	183,599	4	198,592	4		4		4		4		4		4	
1/4	153,862	1/4	168,899	1/4	183,911	1/4	198,904	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,175	1/2	169,212	1/2	184,223	1/2	199,217	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,488	3/4	169,525	3/4	184,536	3/4	199,529	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,802	5	169,839	5	184,848	5	199,841	5		5		5		5		5		5	
1/4	155,115	1/4	170,152	1/4	185,161	1/4	200,153	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,428	1/2	170,465	1/2	185,473	1/2	200,464	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,741	3/4	170,778	3/4	185,785	3/4	200,775	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,055	6	171,092	6	186,098	6	201,086	6		6		6		6		6		6	
1/4	156,368	1/4	171,405	1/4	186,410	1/4	201,397	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,681	1/2	171,718	1/2	186,722	1/2	201,707	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,994	3/4	172,031	3/4	187,035	3/4	202,017	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,308	7	172,345	7	187,347	7	202,327	7		7		7		7		7		7	
1/4	157,621	1/4	172,658	1/4	187,659	1/4	202,638	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,934	1/2	172,971	1/2	187,972	1/2	202,948	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,248	3/4	173,285	3/4	188,284	3/4	203,258	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,561	8	173,598	8	188,596	8	203,568	8		8		8		8		8		8	
1/4	158,874	1/4	173,911	1/4	188,909	1/4	203,879	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,187	1/2	174,224	1/2	189,221	1/2	204,189	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,501	3/4	174,538	3/4	189,533	3/4	204,499	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,814	9	174,851	9	189,846	9	204,810	9		9		9		9		9		9	
1/4	160,127	1/4	175,164	1/4	190,158	1/4	205,120	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,440	1/2	175,477	1/2	190,471	1/2	205,430	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,754	3/4	175,789	3/4	190,783	3/4	205,741	3/4		3/4		3/4		3/4		3/4		3/4	
10	161,067	10	176,102	10	191,095	10	206,051	10		10		10		10		10		10	
1/4	161,380	1/4	176,415	1/4	191,408	1/4	206,361	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,694	1/2	176,727	1/2	191,720	1/2	206,670	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,007	3/4	177,039	3/4	192,032	3/4	206,980	3/4		3/4		3/4		3/4		3/4		3/4	
11	162,320	11	177,352	11	192,345	11	207,290	11		11		11		11		11		11	
1/4	162,633	1/4	177,664	1/4	192,657	1/4	207,596	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,947	1/2	177,976	1/2	192,969	1/2	207,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,260	3/4	178,289	3/4	193,282	3/4	208,209	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 3005"

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	1,033	0	15,716	0	30,797	0	45,507	0	60,011	0	74,883	0	89,967	0	105,052	0	120,131	0	135,207
1/4	1,269	1/4	16,030	1/4	31,111	1/4	45,809	1/4	60,313	1/4	75,197	1/4	90,282	1/4	105,366	1/4	120,445	1/4	135,522
1/2	1,504	1/2	16,344	1/2	31,426	1/2	46,110	1/2	60,616	1/2	75,512	1/2	90,596	1/2	105,680	1/2	120,759	1/2	135,836
3/4	1,740	3/4	16,658	3/4	31,740	3/4	46,412	3/4	60,918	3/4	75,826	3/4	90,910	3/4	105,995	3/4	121,073	3/4	136,150
1	1,975	1	16,973	1	32,054	1	46,713	1	61,221	1	76,140	1	91,224	1	106,309	1	121,387	1	136,464
1/4	2,269	1/4	17,287	1/4	32,368	1/4	47,015	1/4	61,523	1/4	76,454	1/4	91,539	1/4	106,623	1/4	121,701	1/4	136,778
1/2	2,563	1/2	17,601	1/2	32,683	1/2	47,316	1/2	61,826	1/2	76,769	1/2	91,853	1/2	106,937	1/2	122,015	1/2	137,092
3/4	2,857	3/4	17,915	3/4	32,997	3/4	47,618	3/4	62,128	3/4	77,083	3/4	92,167	3/4	107,252	3/4	122,329	3/4	137,406
2	3,151	2	18,230	2	33,311	2	47,919	2	62,431	2	77,397	2	92,482	2	107,566	2	122,644	2	137,720
1/4	3,464	1/4	18,544	1/4	33,625	1/4	48,221	1/4	62,733	1/4	77,711	1/4	92,796	1/4	107,880	1/4	122,958	1/4	138,034
1/2	3,777	1/2	18,858	1/2	33,940	1/2	48,523	1/2	63,036	1/2	78,026	1/2	93,110	1/2	108,194	1/2	123,272	1/2	138,348
3/4	4,090	3/4	19,172	3/4	34,254	3/4	48,824	3/4	63,338	3/4	78,340	3/4	93,424	3/4	108,509	3/4	123,586	3/4	138,663
3	4,404	3	19,487	3	34,568	3	49,126	3	63,641	3	78,654	3	93,739	3	108,823	3	123,900	3	138,977
1/4	4,718	1/4	19,801	1/4	34,882	1/4	49,428	1/4	63,943	1/4	78,968	1/4	94,053	1/4	109,137	1/4	124,214	1/4	139,291
1/2	5,032	1/2	20,115	1/2	35,197	1/2	49,730	1/2	64,246	1/2	79,283	1/2	94,367	1/2	109,451	1/2	124,528	1/2	139,605
3/4	5,346	3/4	20,429	3/4	35,511	3/4	50,031	3/4	64,548	3/4	79,597	3/4	94,681	3/4	109,765	3/4	124,842	3/4	139,919
4	5,660	4	20,743	4	35,825	4	50,333	4	64,850	4	79,911	4	94,996	4	110,080	4	125,156	4	140,233
1/4	5,974	1/4	21,058	1/4	36,133	1/4	50,635	1/4	65,159	1/4	80,225	1/4	95,310	1/4	110,394	1/4	125,470	1/4	140,547
1/2	6,288	1/2	21,372	1/2	36,442	1/2	50,937	1/2	65,467	1/2	80,540	1/2	95,624	1/2	110,708	1/2	125,785	1/2	140,861
3/4	6,602	3/4	21,686	3/4	36,750	3/4	51,239	3/4	65,776	3/4	80,854	3/4	95,938	3/4	111,022	3/4	126,099	3/4	141,175
5	6,917	5	22,000	5	37,058	5	51,542	5	66,084	5	81,168	5	96,253	5	111,336	5	126,413	5	141,489
1/4	7,231	1/4	22,315	1/4	37,361	1/4	51,844	1/4	66,398	1/4	81,483	1/4	96,567	1/4	111,650	1/4	126,727	1/4	141,804
1/2	7,545	1/2	22,629	1/2	37,663	1/2	52,146	1/2	66,712	1/2	81,797	1/2	96,881	1/2	111,964	1/2	127,041	1/2	142,118
3/4	7,859	3/4	22,943	3/4	37,966	3/4	52,449	3/4	67,027	3/4	82,111	3/4	97,195	3/4	112,278	3/4	127,355	3/4	142,432
6	8,174	6	23,257	6	38,268	6	52,751	6	67,341	6	82,425	6	97,510	6	112,592	6	127,669	6	142,746
1/4	8,488	1/4	23,572	1/4	38,570	1/4	53,054	1/4	67,655	1/4	82,740	1/4	97,824	1/4	112,906	1/4	127,983	1/4	143,060
1/2	8,802	1/2	23,886	1/2	38,872	1/2	53,356	1/2	67,969	1/2	83,054	1/2	98,138	1/2	113,221	1/2	128,297	1/2	143,374
3/4	9,116	3/4	24,200	3/4	39,174	3/4	53,659	3/4	68,284	3/4	83,368	3/4	98,452	3/4	113,535	3/4	128,611	3/4	143,688
7	9,431	7	24,514	7	39,476	7	53,961	7	68,598	7	83,682	7	98,767	7	113,849	7	128,925	7	144,002
1/4	9,745	1/4	24,829	1/4	39,778	1/4	54,264	1/4	68,912	1/4	83,997	1/4	99,081	1/4	114,163	1/4	129,240	1/4	144,316
1/2	10,059	1/2	25,143	1/2	40,079	1/2	54,566	1/2	69,227	1/2	84,311	1/2	99,395	1/2	114,477	1/2	129,554	1/2	144,630
3/4	10,373	3/4	25,457	3/4	40,381	3/4	54,869	3/4	69,541	3/4	84,625	3/4	99,709	3/4	114,791	3/4	129,868	3/4	144,945
8	10,688	8	25,771	8	40,683	8	55,171	8	69,855	8	84,939	8	100,024	8	115,105	8	130,182	8	145,259
1/4	11,002	1/4	26,086	1/4	40,984	1/4	55,474	1/4	70,169	1/4	85,254	1/4	100,338	1/4	115,419	1/4	130,496	1/4	145,573
1/2	11,316	1/2	26,400	1/2	41,286	1/2	55,776	1/2	70,484	1/2	85,568	1/2	100,652	1/2	115,733	1/2	130,810	1/2	145,887
3/4	11,630	3/4	26,714	3/4	41,587	3/4	56,079	3/4	70,798	3/4	85,882	3/4	100,966	3/4	116,047	3/4	131,124	3/4	146,201
9	11,945	9	27,028	9	41,889	9	56,381	9	71,112	9	86,196	9	101,281	9	116,362	9	131,438	9	146,515
1/4	12,259	1/4	27,342	1/4	42,190	1/4	56,684	1/4	71,426	1/4	86,511	1/4	101,595	1/4	116,676	1/4	131,752	1/4	146,829
1/2	12,573	1/2	27,656	1/2	42,492	1/2	56,986	1/2	71,741	1/2	86,825	1/2	101,909	1/2	116,990	1/2	132,066	1/2	147,143
3/4	12,887	3/4	27,970	3/4	42,793	3/4	57,289	3/4	72,055	3/4	87,139	3/4	102,223	3/4	117,304	3/4	132,381	3/4	147,457
10	13,202	10	28,284	10	43,095	10	57,591	10	72,369	10	87,453	10	102,538	10	117,618	10	132,695	10	147,771
1/4	13,516	1/4	28,598	1/4	43,396	1/4	57,894	1/4	72,683	1/4	87,768	1/4	102,852	1/4	117,932	1/4	133,009	1/4	148,086
1/2	13,830	1/2	28,912	1/2	43,698	1/2	58,196	1/2	72,998	1/2	88,082	1/2	103,166	1/2	118,246	1/2	133,323	1/2	148,400
3/4	14,144	3/4	29,226	3/4	43,999	3/4	58,498	3/4	73,312	3/4	88,396	3/4	103,480	3/4	118,560	3/4	133,637	3/4	148,714
11	14,459	11	29,540	11	44,301	11	58,801	11	73,626	11	88,710	11	103,795	11	118,874	11	133,951	11	149,028
1/4	14,773	1/4	29,855	1/4	44,602	1/4	59,103	1/4	73,940	1/4	89,025	1/4	104,109	1/4	119,188	1/4	134,265	1/4	149,342
1/2	15,087	1/2	30,169	1/2	44,904	1/2	59,406	1/2	74,255	1/2	89,339	1/2	104,423	1/2	119,503	1/2	134,579	1/2	149,656
3/4	15,401	3/4	30,483	3/4	45,206	3/4	59,708	3/4	74,569	3/4	89,653	3/4	104,738	3/4	119,817	3/4	134,893	3/4	149,970

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 3005"

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	150,284	0	165,361	0	180,427	0	195,453	0	210,381	0		0		0		0		0	
1/4	150,598	1/4	165,675	1/4	180,740	1/4	195,766	1/4	210,661	1/4		1/4		1/4		1/4		1/4	
1/2	150,912	1/2	165,989	1/2	181,053	1/2	196,079	1/2	210,941	1/2		1/2		1/2		1/2		1/2	
3/4	151,227	3/4	166,303	3/4	181,366	3/4	196,392	3/4	211,222	3/4		3/4		3/4		3/4		3/4	
1	151,541	1	166,617	1	181,679	1	196,705	1	211,502	1		1		1		1		1	
1/4	151,855	1/4	166,931	1/4	181,992	1/4	197,018	1/4	211,733	1/4		1/4		1/4		1/4		1/4	
1/2	152,169	1/2	167,246	1/2	182,305	1/2	197,331	1/2	211,965	1/2		1/2		1/2		1/2		1/2	
3/4	152,483	3/4	167,560	3/4	182,618	3/4	197,644	3/4	212,196	3/4		3/4		3/4		3/4		3/4	
2	152,797	2	167,874	2	182,931	2	197,957	2	212,428	2		2		2		2		2	
1/4	153,111	1/4	168,188	1/4	183,244	1/4	198,270	1/4	212,607	1/4		1/4		1/4		1/4		1/4	
1/2	153,425	1/2	168,502	1/2	183,557	1/2	198,583	1/2	212,786	1/2		1/2		1/2		1/2		1/2	
3/4	153,739	3/4	168,816	3/4	183,870	3/4	198,896	3/4	212,965	3/4		3/4		3/4		3/4		3/4	
3	154,053	3	169,130	3	184,183	3	199,209	3	213,144	3		3		3		3		3	
1/4	154,368	1/4	169,444	1/4	184,496	1/4	199,522	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,682	1/2	169,758	1/2	184,810	1/2	199,835	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,996	3/4	170,072	3/4	185,123	3/4	200,148	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,310	4	170,387	4	185,436	4	200,461	4		4		4		4		4		4	
1/4	155,624	1/4	170,701	1/4	185,749	1/4	200,774	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,938	1/2	171,015	1/2	186,062	1/2	201,087	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,252	3/4	171,329	3/4	186,375	3/4	201,400	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,566	5	171,643	5	186,688	5	201,713	5		5		5		5		5		5	
1/4	156,880	1/4	171,957	1/4	187,001	1/4	202,025	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,194	1/2	172,271	1/2	187,314	1/2	202,336	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,508	3/4	172,585	3/4	187,627	3/4	202,648	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,823	6	172,899	6	187,940	6	202,959	6		6		6		6		6		6	
1/4	158,137	1/4	173,213	1/4	188,253	1/4	203,269	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,451	1/2	173,528	1/2	188,566	1/2	203,579	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,765	3/4	173,842	3/4	188,879	3/4	203,889	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,079	7	174,156	7	189,192	7	204,199	7		7		7		7		7		7	
1/4	159,393	1/4	174,470	1/4	189,505	1/4	204,509	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,707	1/2	174,784	1/2	189,818	1/2	204,819	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,021	3/4	175,098	3/4	190,131	3/4	205,129	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,335	8	175,412	8	190,444	8	205,439	8		8		8		8		8		8	
1/4	160,649	1/4	175,726	1/4	190,757	1/4	205,749	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,964	1/2	176,040	1/2	191,070	1/2	206,059	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,278	3/4	176,354	3/4	191,383	3/4	206,369	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,592	9	176,669	9	191,696	9	206,679	9		9		9		9		9		9	
1/4	161,906	1/4	176,982	1/4	192,009	1/4	206,989	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,220	1/2	177,296	1/2	192,322	1/2	207,299	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,534	3/4	177,609	3/4	192,635	3/4	207,609	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,848	10	177,923	10	192,948	10	207,919	10		10		10		10		10		10	
1/4	163,162	1/4	178,236	1/4	193,261	1/4	208,229	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,476	1/2	178,549	1/2	193,574	1/2	208,539	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,790	3/4	178,862	3/4	193,887	3/4	208,848	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,105	11	179,175	11	194,201	11	209,158	11		11		11		11		11		11	
1/4	164,419	1/4	179,488	1/4	194,514	1/4	209,464	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,733	1/2	179,801	1/2	194,827	1/2	209,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,047	3/4	180,114	3/4	195,140	3/4	210,075	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 3005"

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	15,716	0	30,798	0	45,862	0	60,931	0	76,016	0	91,100	0	106,184	0	121,263	0	136,340
1/4	1,269	1/4	16,030	1/4	31,112	1/4	46,175	1/4	61,246	1/4	76,330	1/4	91,414	1/4	106,499	1/4	121,577	1/4	136,654
1/2	1,504	1/2	16,345	1/2	31,427	1/2	46,489	1/2	61,560	1/2	76,644	1/2	91,728	1/2	106,813	1/2	121,891	1/2	136,968
3/4	1,740	3/4	16,659	3/4	31,741	3/4	46,802	3/4	61,874	3/4	76,958	3/4	92,043	3/4	107,127	3/4	122,206	3/4	137,282
1	1,976	1	16,973	1	32,055	1	47,115	1	62,188	1	77,273	1	92,357	1	107,441	1	122,520	1	137,596
1/4	2,270	1/4	17,287	1/4	32,369	1/4	47,429	1/4	62,503	1/4	77,587	1/4	92,671	1/4	107,756	1/4	122,834	1/4	137,910
1/2	2,563	1/2	17,602	1/2	32,684	1/2	47,742	1/2	62,817	1/2	77,901	1/2	92,985	1/2	108,070	1/2	123,148	1/2	138,225
3/4	2,857	3/4	17,916	3/4	32,998	3/4	48,055	3/4	63,131	3/4	78,215	3/4	93,300	3/4	108,384	3/4	123,462	3/4	138,539
2	3,151	2	18,230	2	33,312	2	48,369	2	63,445	2	78,530	2	93,614	2	108,698	2	123,776	2	138,853
1/4	3,464	1/4	18,544	1/4	33,626	1/4	48,682	1/4	63,760	1/4	78,844	1/4	93,928	1/4	109,013	1/4	124,090	1/4	139,167
1/2	3,778	1/2	18,859	1/2	33,941	1/2	48,995	1/2	64,074	1/2	79,158	1/2	94,243	1/2	109,327	1/2	124,404	1/2	139,481
3/4	4,091	3/4	19,173	3/4	34,255	3/4	49,309	3/4	64,388	3/4	79,472	3/4	94,557	3/4	109,641	3/4	124,718	3/4	139,795
3	4,404	3	19,487	3	34,569	3	49,622	3	64,702	3	79,787	3	94,871	3	109,955	3	125,032	3	140,109
1/4	4,718	1/4	19,801	1/4	34,883	1/4	49,936	1/4	65,017	1/4	80,101	1/4	95,185	1/4	110,270	1/4	125,347	1/4	140,423
1/2	5,032	1/2	20,116	1/2	35,198	1/2	50,249	1/2	65,331	1/2	80,415	1/2	95,500	1/2	110,584	1/2	125,661	1/2	140,737
3/4	5,346	3/4	20,430	3/4	35,512	3/4	50,563	3/4	65,645	3/4	80,729	3/4	95,814	3/4	110,898	3/4	125,975	3/4	141,051
4	5,660	4	20,744	4	35,826	4	50,876	4	65,959	4	81,044	4	96,128	4	111,212	4	126,289	4	141,366
1/4	5,974	1/4	21,058	1/4	36,140	1/4	51,190	1/4	66,274	1/4	81,358	1/4	96,442	1/4	111,526	1/4	126,603	1/4	141,680
1/2	6,289	1/2	21,373	1/2	36,455	1/2	51,504	1/2	66,588	1/2	81,672	1/2	96,757	1/2	111,840	1/2	126,917	1/2	141,994
3/4	6,603	3/4	21,687	3/4	36,769	3/4	51,818	3/4	66,902	3/4	81,986	3/4	97,071	3/4	112,154	3/4	127,231	3/4	142,308
5	6,917	5	22,001	5	37,083	5	52,132	5	67,216	5	82,301	5	97,385	5	112,468	5	127,545	5	142,622
1/4	7,231	1/4	22,315	1/4	37,397	1/4	52,446	1/4	67,531	1/4	82,615	1/4	97,699	1/4	112,783	1/4	127,859	1/4	142,936
1/2	7,545	1/2	22,630	1/2	37,712	1/2	52,761	1/2	67,845	1/2	82,929	1/2	98,014	1/2	113,097	1/2	128,173	1/2	143,250
3/4	7,860	3/4	22,944	3/4	38,026	3/4	53,075	3/4	68,159	3/4	83,244	3/4	98,328	3/4	113,411	3/4	128,487	3/4	143,564
6	8,174	6	23,258	6	38,340	6	53,389	6	68,473	6	83,558	6	98,642	6	113,725	6	128,802	6	143,878
1/4	8,488	1/4	23,573	1/4	38,654	1/4	53,703	1/4	68,788	1/4	83,872	1/4	98,956	1/4	114,039	1/4	129,116	1/4	144,192
1/2	8,803	1/2	23,887	1/2	38,968	1/2	54,018	1/2	69,102	1/2	84,186	1/2	99,271	1/2	114,353	1/2	129,430	1/2	144,507
3/4	9,117	3/4	24,201	3/4	39,282	3/4	54,332	3/4	69,416	3/4	84,501	3/4	99,585	3/4	114,667	3/4	129,744	3/4	144,821
7	9,431	7	24,515	7	39,595	7	54,646	7	69,730	7	84,815	7	99,899	7	114,981	7	130,058	7	145,135
1/4	9,745	1/4	24,830	1/4	39,909	1/4	54,960	1/4	70,045	1/4	85,129	1/4	100,213	1/4	115,295	1/4	130,372	1/4	145,449
1/2	10,060	1/2	25,144	1/2	40,222	1/2	55,275	1/2	70,359	1/2	85,443	1/2	100,528	1/2	115,609	1/2	130,686	1/2	145,763
3/4	10,374	3/4	25,458	3/4	40,535	3/4	55,589	3/4	70,673	3/4	85,758	3/4	100,842	3/4	115,924	3/4	131,000	3/4	146,077
8	10,688	8	25,772	8	40,849	8	55,903	8	70,988	8	86,072	8	101,156	8	116,238	8	131,314	8	146,391
1/4	11,002	1/4	26,086	1/4	41,162	1/4	56,217	1/4	71,302	1/4	86,386	1/4	101,470	1/4	116,552	1/4	131,628	1/4	146,705
1/2	11,317	1/2	26,401	1/2	41,475	1/2	56,532	1/2	71,616	1/2	86,700	1/2	101,785	1/2	116,866	1/2	131,943	1/2	147,019
3/4	11,631	3/4	26,715	3/4	41,789	3/4	56,846	3/4	71,930	3/4	87,015	3/4	102,099	3/4	117,180	3/4	132,257	3/4	147,333
9	11,945	9	27,029	9	42,102	9	57,160	9	72,245	9	87,329	9	102,413	9	117,494	9	132,571	9	147,648
1/4	12,259	1/4	27,343	1/4	42,415	1/4	57,474	1/4	72,559	1/4	87,643	1/4	102,727	1/4	117,808	1/4	132,885	1/4	147,962
1/2	12,574	1/2	27,657	1/2	42,729	1/2	57,789	1/2	72,873	1/2	87,957	1/2	103,042	1/2	118,122	1/2	133,199	1/2	148,276
3/4	12,888	3/4	27,971	3/4	43,042	3/4	58,103	3/4	73,187	3/4	88,272	3/4	103,356	3/4	118,436	3/4	133,513	3/4	148,590
10	13,202	10	28,285	10	43,355	10	58,417	10	73,502	10	88,586	10	103,670	10	118,750	10	133,827	10	148,904
1/4	13,516	1/4	28,599	1/4	43,669	1/4	58,731	1/4	73,816	1/4	88,900	1/4	103,984	1/4	119,065	1/4	134,141	1/4	149,218
1/2	13,831	1/2	28,913	1/2	43,982	1/2	59,046	1/2	74,130	1/2	89,214	1/2	104,299	1/2	119,379	1/2	134,455	1/2	149,532
3/4	14,145	3/4	29,227	3/4	44,295	3/4	59,360	3/4	74,444	3/4	89,529	3/4	104,613	3/4	119,693	3/4	134,769	3/4	149,846
11	14,459	11	29,541	11	44,609	11	59,674	11	74,759	11	89,843	11	104,927	11	120,007	11	135,084	11	150,160
1/4	14,773	1/4	29,856	1/4	44,922	1/4	59,989	1/4	75,073	1/4	90,157	1/4	105,241	1/4	120,321	1/4	135,398	1/4	150,474
1/2	15,088	1/2	30,170	1/2	45,235	1/2	60,303	1/2	75,387	1/2	90,471	1/2	105,556	1/2	120,635	1/2	135,712	1/2	150,789
3/4	15,402	3/4	30,484	3/4	45,549	3/4	60,617	3/4	75,701	3/4	90,786	3/4	105,870	3/4	120,949	3/4	136,026	3/4	151,103

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
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BARGE "HSM 3005"

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	151,417	0	166,493	0	181,560	0	196,585	0	211,514	0		0		0		0		0	
1/4	151,731	1/4	166,808	1/4	181,873	1/4	196,898	1/4	211,794	1/4		1/4		1/4		1/4		1/4	
1/2	152,045	1/2	167,122	1/2	182,186	1/2	197,211	1/2	212,074	1/2		1/2		1/2		1/2		1/2	
3/4	152,359	3/4	167,436	3/4	182,499	3/4	197,524	3/4	212,354	3/4		3/4		3/4		3/4		3/4	
1	152,673	1	167,750	1	182,812	1	197,837	1	212,634	1		1		1		1		1	
1/4	152,987	1/4	168,064	1/4	183,125	1/4	198,150	1/4	212,866	1/4		1/4		1/4		1/4		1/4	
1/2	153,301	1/2	168,378	1/2	183,438	1/2	198,463	1/2	213,097	1/2		1/2		1/2		1/2		1/2	
3/4	153,615	3/4	168,692	3/4	183,751	3/4	198,776	3/4	213,329	3/4		3/4		3/4		3/4		3/4	
2	153,930	2	169,006	2	184,064	2	199,089	2	213,560	2		2		2		2		2	
1/4	154,244	1/4	169,320	1/4	184,377	1/4	199,402	1/4	213,740	1/4		1/4		1/4		1/4		1/4	
1/2	154,558	1/2	169,634	1/2	184,690	1/2	199,716	1/2	213,919	1/2		1/2		1/2		1/2		1/2	
3/4	154,872	3/4	169,949	3/4	185,003	3/4	200,029	3/4	214,098	3/4		3/4		3/4		3/4		3/4	
3	155,186	3	170,263	3	185,316	3	200,342	3	214,277	3		3		3		3		3	
1/4	155,500	1/4	170,577	1/4	185,629	1/4	200,655	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,814	1/2	170,891	1/2	185,942	1/2	200,968	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,128	3/4	171,205	3/4	186,255	3/4	201,281	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,442	4	171,519	4	186,568	4	201,594	4		4		4		4		4		4	
1/4	156,756	1/4	171,833	1/4	186,881	1/4	201,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,071	1/2	172,147	1/2	187,194	1/2	202,220	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,385	3/4	172,461	3/4	187,507	3/4	202,533	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,699	5	172,775	5	187,820	5	202,846	5		5		5		5		5		5	
1/4	158,013	1/4	173,090	1/4	188,133	1/4	203,157	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,327	1/2	173,404	1/2	188,446	1/2	203,469	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,641	3/4	173,718	3/4	188,759	3/4	203,780	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,955	6	174,032	6	189,072	6	204,092	6		6		6		6		6		6	
1/4	159,269	1/4	174,346	1/4	189,385	1/4	204,402	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,583	1/2	174,660	1/2	189,698	1/2	204,712	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,897	3/4	174,974	3/4	190,011	3/4	205,022	3/4		3/4		3/4		3/4		3/4		3/4	
7	160,212	7	175,288	7	190,325	7	205,332	7		7		7		7		7		7	
1/4	160,526	1/4	175,602	1/4	190,638	1/4	205,642	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,840	1/2	175,916	1/2	190,951	1/2	205,952	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,154	3/4	176,231	3/4	191,264	3/4	206,262	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,468	8	176,545	8	191,577	8	206,572	8		8		8		8		8		8	
1/4	161,782	1/4	176,859	1/4	191,890	1/4	206,882	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,096	1/2	177,173	1/2	192,203	1/2	207,192	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,410	3/4	177,487	3/4	192,516	3/4	207,502	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,724	9	177,801	9	192,829	9	207,812	9		9		9		9		9		9	
1/4	163,038	1/4	178,115	1/4	193,142	1/4	208,122	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,352	1/2	178,428	1/2	193,455	1/2	208,432	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,667	3/4	178,742	3/4	193,768	3/4	208,742	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,981	10	179,055	10	194,081	10	209,052	10		10		10		10		10		10	
1/4	164,295	1/4	179,368	1/4	194,394	1/4	209,362	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,609	1/2	179,681	1/2	194,707	1/2	209,671	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,923	3/4	179,994	3/4	195,020	3/4	209,981	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,237	11	180,307	11	195,333	11	210,290	11		11		11		11		11		11	
1/4	165,551	1/4	180,620	1/4	195,646	1/4	210,596	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,865	1/2	180,934	1/2	195,959	1/2	210,902	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	166,179	3/4	181,247	3/4	196,272	3/4	211,208	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 3005"

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	15,627	0	30,609	0	45,363	0	59,914	0	74,818	0	89,778	0	104,750	0	119,712	0	134,671
1/4	1,262	1/4	15,939	1/4	30,922	1/4	45,665	1/4	60,226	1/4	75,128	1/4	90,090	1/4	105,062	1/4	120,024	1/4	134,982
1/2	1,497	1/2	16,251	1/2	31,234	1/2	45,966	1/2	60,538	1/2	75,439	1/2	90,402	1/2	105,374	1/2	120,335	1/2	135,294
3/4	1,731	3/4	16,563	3/4	31,546	3/4	46,268	3/4	60,850	3/4	75,749	3/4	90,714	3/4	105,686	3/4	120,647	3/4	135,606
1	1,966	1	16,875	1	31,858	1	46,570	1	61,162	1	76,059	1	91,025	1	105,998	1	120,959	1	135,917
1/4	2,258	1/4	17,188	1/4	32,170	1/4	46,871	1/4	61,473	1/4	76,369	1/4	91,337	1/4	106,310	1/4	121,270	1/4	136,229
1/2	2,550	1/2	17,500	1/2	32,482	1/2	47,173	1/2	61,785	1/2	76,679	1/2	91,649	1/2	106,622	1/2	121,582	1/2	136,540
3/4	2,843	3/4	17,812	3/4	32,795	3/4	47,475	3/4	62,097	3/4	76,989	3/4	91,961	3/4	106,934	3/4	121,894	3/4	136,852
2	3,135	2	18,124	2	33,107	2	47,777	2	62,409	2	77,299	2	92,273	2	107,246	2	122,205	2	137,164
1/4	3,447	1/4	18,436	1/4	33,419	1/4	48,080	1/4	62,720	1/4	77,611	1/4	92,584	1/4	107,558	1/4	122,517	1/4	137,475
1/2	3,758	1/2	18,749	1/2	33,731	1/2	48,382	1/2	63,031	1/2	77,922	1/2	92,897	1/2	107,870	1/2	122,828	1/2	137,787
3/4	4,070	3/4	19,061	3/4	34,043	3/4	48,684	3/4	63,342	3/4	78,233	3/4	93,208	3/4	108,181	3/4	123,140	3/4	138,099
3	4,382	3	19,373	3	34,355	3	48,987	3	63,653	3	78,544	3	93,520	3	108,493	3	123,452	3	138,410
1/4	4,694	1/4	19,685	1/4	34,667	1/4	49,289	1/4	63,963	1/4	78,856	1/4	93,832	1/4	108,805	1/4	123,763	1/4	138,722
1/2	5,006	1/2	19,997	1/2	34,979	1/2	49,591	1/2	64,273	1/2	79,168	1/2	94,143	1/2	109,116	1/2	124,075	1/2	139,034
3/4	5,319	3/4	20,309	3/4	35,290	3/4	49,893	3/4	64,583	3/4	79,480	3/4	94,455	3/4	109,428	3/4	124,387	3/4	139,345
4	5,631	4	20,622	4	35,602	4	50,196	4	64,893	4	79,792	4	94,767	4	109,740	4	124,698	4	139,657
1/4	5,943	1/4	20,934	1/4	35,910	1/4	50,498	1/4	65,204	1/4	80,105	1/4	95,079	1/4	110,051	1/4	125,010	1/4	139,968
1/2	6,256	1/2	21,246	1/2	36,218	1/2	50,800	1/2	65,514	1/2	80,417	1/2	95,391	1/2	110,363	1/2	125,322	1/2	140,280
3/4	6,568	3/4	21,558	3/4	36,526	3/4	51,103	3/4	65,824	3/4	80,729	3/4	95,702	3/4	110,675	3/4	125,633	3/4	140,592
5	6,880	5	21,870	5	36,834	5	51,405	5	66,134	5	81,041	5	96,014	5	110,986	5	125,945	5	140,903
1/4	7,193	1/4	22,183	1/4	37,139	1/4	51,707	1/4	66,444	1/4	81,353	1/4	96,326	1/4	111,298	1/4	126,256	1/4	141,214
1/2	7,505	1/2	22,495	1/2	37,444	1/2	52,010	1/2	66,754	1/2	81,665	1/2	96,638	1/2	111,610	1/2	126,568	1/2	141,526
3/4	7,818	3/4	22,807	3/4	37,749	3/4	52,312	3/4	67,064	3/4	81,977	3/4	96,950	3/4	111,921	3/4	126,880	3/4	141,837
6	8,130	6	23,119	6	38,054	6	52,614	6	67,375	6	82,289	6	97,261	6	112,233	6	127,191	6	142,148
1/4	8,443	1/4	23,431	1/4	38,358	1/4	52,917	1/4	67,685	1/4	82,602	1/4	97,573	1/4	112,545	1/4	127,503	1/4	142,455
1/2	8,755	1/2	23,743	1/2	38,663	1/2	53,219	1/2	67,995	1/2	82,914	1/2	97,885	1/2	112,856	1/2	127,815	1/2	142,762
3/4	9,068	3/4	24,056	3/4	38,968	3/4	53,521	3/4	68,305	3/4	83,226	3/4	98,197	3/4	113,168	3/4	128,126	3/4	143,069
7	9,380	7	24,368	7	39,273	7	53,824	7	68,615	7	83,538	7	98,509	7	113,479	7	128,438	7	143,376
1/4	9,693	1/4	24,680	1/4	39,578	1/4	54,126	1/4	68,925	1/4	83,850	1/4	98,821	1/4	113,791	1/4	128,750	1/4	143,671
1/2	10,006	1/2	24,992	1/2	39,883	1/2	54,428	1/2	69,236	1/2	84,162	1/2	99,133	1/2	114,103	1/2	129,061	1/2	143,965
3/4	10,318	3/4	25,304	3/4	40,188	3/4	54,731	3/4	69,546	3/4	84,474	3/4	99,445	3/4	114,414	3/4	129,373	3/4	144,260
8	10,631	8	25,616	8	40,492	8	55,033	8	69,856	8	84,786	8	99,757	8	114,726	8	129,684	8	144,554
1/4	10,943	1/4	25,929	1/4	40,797	1/4	55,335	1/4	70,166	1/4	85,098	1/4	100,069	1/4	115,038	1/4	129,996	1/4	144,833
1/2	11,256	1/2	26,241	1/2	41,102	1/2	55,638	1/2	70,476	1/2	85,411	1/2	100,381	1/2	115,349	1/2	130,308	1/2	145,111
3/4	11,568	3/4	26,553	3/4	41,407	3/4	55,940	3/4	70,786	3/4	85,723	3/4	100,694	3/4	115,661	3/4	130,619	3/4	145,390
9	11,881	9	26,865	9	41,712	9	56,242	9	71,096	9	86,035	9	101,006	9	115,972	9	130,931	9	145,668
1/4	12,193	1/4	27,177	1/4	42,017	1/4	56,546	1/4	71,407	1/4	86,347	1/4	101,318	1/4	116,284	1/4	131,243	1/4	145,931
1/2	12,505	1/2	27,489	1/2	42,321	1/2	56,850	1/2	71,717	1/2	86,659	1/2	101,630	1/2	116,596	1/2	131,554	1/2	146,194
3/4	12,817	3/4	27,801	3/4	42,626	3/4	57,154	3/4	72,027	3/4	86,971	3/4	101,942	3/4	116,907	3/4	131,866	3/4	146,457
10	13,129	10	28,113	10	42,931	10	57,458	10	72,337	10	87,283	10	102,254	10	117,219	10	132,178	10	146,719
1/4	13,442	1/4	28,425	1/4	43,236	1/4	57,763	1/4	72,647	1/4	87,595	1/4	102,566	1/4	117,531	1/4	132,489	1/4	146,966
1/2	13,754	1/2	28,737	1/2	43,541	1/2	58,069	1/2	72,957	1/2	87,907	1/2	102,878	1/2	117,842	1/2	132,801	1/2	147,214
3/4	14,066	3/4	29,049	3/4	43,846	3/4	58,374	3/4	73,268	3/4	88,219	3/4	103,190	3/4	118,154	3/4	133,112	3/4	147,461
11	14,378	11	29,361	11	44,151	11	58,680	11	73,578	11	88,531	11	103,502	11	118,466	11	133,424	11	147,708
1/4	14,690	1/4	29,673	1/4	44,454	1/4	58,988	1/4	73,888	1/4	88,843	1/4	103,814	1/4	118,777	1/4	133,736	1/4	147,939
1/2	15,002	1/2	29,985	1/2	44,757	1/2	59,297	1/2	74,198	1/2	89,155	1/2	104,126	1/2	119,089	1/2	134,047	1/2	148,170
3/4	15,315	3/4	30,297	3/4	45,060	3/4	59,606	3/4	74,508	3/4	89,466	3/4	104,438	3/4	119,400	3/4	134,359	3/4	148,401

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 3005"

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	148,632	0	159,009	0	169,365	0	179,692	0	190,005	0		0		0		0		0	
1/4	148,851	1/4	159,225	1/4	169,580	1/4	179,908	1/4	190,198	1/4		1/4		1/4		1/4		1/4	
1/2	149,071	1/2	159,441	1/2	169,796	1/2	180,123	1/2	190,391	1/2		1/2		1/2		1/2		1/2	
3/4	149,290	3/4	159,657	3/4	170,011	3/4	180,338	3/4	190,584	3/4		3/4		3/4		3/4		3/4	
1	149,509	1	159,873	1	170,226	1	180,553	1	190,777	1		1		1		1		1	
1/4	149,725	1/4	160,089	1/4	170,441	1/4	180,768	1/4	190,937	1/4		1/4		1/4		1/4		1/4	
1/2	149,941	1/2	160,305	1/2	170,656	1/2	180,983	1/2	191,096	1/2		1/2		1/2		1/2		1/2	
3/4	150,157	3/4	160,521	3/4	170,871	3/4	181,198	3/4	191,256	3/4		3/4		3/4		3/4		3/4	
2	150,373	2	160,737	2	171,087	2	181,414	2	191,415	2		2		2		2		2	
1/4	150,589	1/4	160,953	1/4	171,302	1/4	181,629	1/4	191,539	1/4		1/4		1/4		1/4		1/4	
1/2	150,805	1/2	161,168	1/2	171,517	1/2	181,844	1/2	191,662	1/2		1/2		1/2		1/2		1/2	
3/4	151,021	3/4	161,384	3/4	171,732	3/4	182,059	3/4	191,786	3/4		3/4		3/4		3/4		3/4	
3	151,237	3	161,600	3	171,947	3	182,274	3	191,910	3		3		3		3		3	
1/4	151,453	1/4	161,816	1/4	172,162	1/4	182,489	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,668	1/2	162,032	1/2	172,377	1/2	182,704	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	151,884	3/4	162,248	3/4	172,593	3/4	182,920	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,100	4	162,464	4	172,808	4	183,135	4		4		4		4		4		4	
1/4	152,316	1/4	162,680	1/4	173,023	1/4	183,350	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,532	1/2	162,896	1/2	173,238	1/2	183,565	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,748	3/4	163,112	3/4	173,453	3/4	183,780	3/4		3/4		3/4		3/4		3/4		3/4	
5	152,964	5	163,327	5	173,668	5	183,995	5		5		5		5		5		5	
1/4	153,180	1/4	163,543	1/4	173,883	1/4	184,211	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,396	1/2	163,759	1/2	174,099	1/2	184,426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,612	3/4	163,975	3/4	174,314	3/4	184,641	3/4		3/4		3/4		3/4		3/4		3/4	
6	153,828	6	164,191	6	174,529	6	184,856	6		6		6		6		6		6	
1/4	154,043	1/4	164,407	1/4	174,744	1/4	185,071	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,259	1/2	164,623	1/2	174,959	1/2	185,286	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,475	3/4	164,839	3/4	175,174	3/4	185,501	3/4		3/4		3/4		3/4		3/4		3/4	
7	154,691	7	165,055	7	175,389	7	185,717	7		7		7		7		7		7	
1/4	154,907	1/4	165,271	1/4	175,605	1/4	185,932	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,123	1/2	165,487	1/2	175,820	1/2	186,147	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,339	3/4	165,702	3/4	176,035	3/4	186,362	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,555	8	165,918	8	176,250	8	186,577	8		8		8		8		8		8	
1/4	155,771	1/4	166,134	1/4	176,465	1/4	186,793	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,987	1/2	166,350	1/2	176,680	1/2	187,008	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,203	3/4	166,566	3/4	176,896	3/4	187,223	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,418	9	166,782	9	177,111	9	187,438	9		9		9		9		9		9	
1/4	156,634	1/4	166,998	1/4	177,326	1/4	187,654	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,850	1/2	167,213	1/2	177,541	1/2	187,869	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,066	3/4	167,429	3/4	177,756	3/4	188,084	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,282	10	167,644	10	177,971	10	188,299	10		10		10		10		10		10	
1/4	157,498	1/4	167,859	1/4	178,186	1/4	188,514	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,714	1/2	168,074	1/2	178,402	1/2	188,729	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,930	3/4	168,290	3/4	178,617	3/4	188,944	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,146	11	168,505	11	178,832	11	189,159	11		11		11		11		11		11	
1/4	158,362	1/4	168,720	1/4	179,047	1/4	189,370	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,578	1/2	168,935	1/2	179,262	1/2	189,582	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,793	3/4	169,150	3/4	179,477	3/4	189,793	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 3005"

3 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	1,032	0	15,706	0	30,781	0	45,840	0	60,914	0	75,989	0	91,065	0	106,140	0	121,199	0	136,254
1/4	1,268	1/4	16,020	1/4	31,095	1/4	46,154	1/4	61,228	1/4	76,303	1/4	91,379	1/4	106,454	1/4	121,512	1/4	136,568
1/2	1,503	1/2	16,334	1/2	31,409	1/2	46,468	1/2	61,542	1/2	76,617	1/2	91,693	1/2	106,768	1/2	121,826	1/2	136,881
3/4	1,739	3/4	16,649	3/4	31,723	3/4	46,781	3/4	61,856	3/4	76,931	3/4	92,007	3/4	107,082	3/4	122,140	3/4	137,195
1	1,974	1	16,963	1	32,038	1	47,095	1	62,170	1	77,245	1	92,321	1	107,396	1	122,453	1	137,509
1/4	2,268	1/4	17,277	1/4	32,352	1/4	47,409	1/4	62,484	1/4	77,560	1/4	92,635	1/4	107,710	1/4	122,767	1/4	137,822
1/2	2,562	1/2	17,591	1/2	32,666	1/2	47,723	1/2	62,798	1/2	77,874	1/2	92,949	1/2	108,024	1/2	123,081	1/2	138,136
3/4	2,855	3/4	17,905	3/4	32,980	3/4	48,037	3/4	63,112	3/4	78,188	3/4	93,263	3/4	108,338	3/4	123,394	3/4	138,449
2	3,149	2	18,219	2	33,294	2	48,351	2	63,426	2	78,502	2	93,577	2	108,652	2	123,708	2	138,763
1/4	3,462	1/4	18,533	1/4	33,608	1/4	48,665	1/4	63,740	1/4	78,816	1/4	93,891	1/4	108,966	1/4	124,021	1/4	139,077
1/2	3,775	1/2	18,847	1/2	33,922	1/2	48,979	1/2	64,055	1/2	79,130	1/2	94,205	1/2	109,279	1/2	124,335	1/2	139,390
3/4	4,088	3/4	19,161	3/4	34,236	3/4	49,293	3/4	64,369	3/4	79,444	3/4	94,519	3/4	109,593	3/4	124,649	3/4	139,704
3	4,401	3	19,475	3	34,550	3	49,607	3	64,683	3	79,758	3	94,833	3	109,907	3	124,962	3	140,018
1/4	4,715	1/4	19,789	1/4	34,864	1/4	49,921	1/4	64,997	1/4	80,072	1/4	95,147	1/4	110,221	1/4	125,276	1/4	140,331
1/2	5,029	1/2	20,103	1/2	35,178	1/2	50,235	1/2	65,311	1/2	80,386	1/2	95,462	1/2	110,534	1/2	125,590	1/2	140,645
3/4	5,343	3/4	20,417	3/4	35,491	3/4	50,550	3/4	65,625	3/4	80,700	3/4	95,776	3/4	110,848	3/4	125,903	3/4	140,959
4	5,657	4	20,731	4	35,805	4	50,864	4	65,939	4	81,014	4	96,090	4	111,162	4	126,217	4	141,272
1/4	5,971	1/4	21,045	1/4	36,119	1/4	51,178	1/4	66,253	1/4	81,328	1/4	96,404	1/4	111,475	1/4	126,531	1/4	141,586
1/2	6,285	1/2	21,359	1/2	36,432	1/2	51,492	1/2	66,567	1/2	81,642	1/2	96,718	1/2	111,789	1/2	126,844	1/2	141,899
3/4	6,599	3/4	21,674	3/4	36,746	3/4	51,806	3/4	66,881	3/4	81,957	3/4	97,032	3/4	112,103	3/4	127,158	3/4	142,213
5	6,913	5	21,988	5	37,060	5	52,120	5	67,195	5	82,271	5	97,346	5	112,416	5	127,472	5	142,527
1/4	7,227	1/4	22,302	1/4	37,373	1/4	52,434	1/4	67,509	1/4	82,585	1/4	97,660	1/4	112,730	1/4	127,785	1/4	142,840
1/2	7,541	1/2	22,616	1/2	37,687	1/2	52,748	1/2	67,823	1/2	82,899	1/2	97,974	1/2	113,044	1/2	128,099	1/2	143,153
3/4	7,855	3/4	22,930	3/4	38,000	3/4	53,062	3/4	68,137	3/4	83,213	3/4	98,288	3/4	113,357	3/4	128,413	3/4	143,467
6	8,169	6	23,244	6	38,314	6	53,376	6	68,452	6	83,527	6	98,602	6	113,671	6	128,726	6	143,780
1/4	8,483	1/4	23,558	1/4	38,627	1/4	53,690	1/4	68,766	1/4	83,841	1/4	98,916	1/4	113,985	1/4	129,040	1/4	144,089
1/2	8,797	1/2	23,872	1/2	38,941	1/2	54,004	1/2	69,080	1/2	84,155	1/2	99,230	1/2	114,298	1/2	129,354	1/2	144,398
3/4	9,111	3/4	24,186	3/4	39,255	3/4	54,318	3/4	69,394	3/4	84,469	3/4	99,544	3/4	114,612	3/4	129,667	3/4	144,707
7	9,425	7	24,500	7	39,568	7	54,632	7	69,708	7	84,783	7	99,859	7	114,926	7	129,981	7	145,016
1/4	9,739	1/4	24,814	1/4	39,882	1/4	54,946	1/4	70,022	1/4	85,097	1/4	100,173	1/4	115,239	1/4	130,295	1/4	145,312
1/2	10,053	1/2	25,128	1/2	40,195	1/2	55,261	1/2	70,336	1/2	85,411	1/2	100,487	1/2	115,553	1/2	130,608	1/2	145,609
3/4	10,367	3/4	25,442	3/4	40,509	3/4	55,575	3/4	70,650	3/4	85,725	3/4	100,801	3/4	115,867	3/4	130,922	3/4	145,905
8	10,681	8	25,756	8	40,822	8	55,889	8	70,964	8	86,039	8	101,115	8	116,180	8	131,235	8	146,202
1/4	10,995	1/4	26,070	1/4	41,136	1/4	56,203	1/4	71,278	1/4	86,354	1/4	101,429	1/4	116,494	1/4	131,549	1/4	146,482
1/2	11,310	1/2	26,384	1/2	41,450	1/2	56,517	1/2	71,592	1/2	86,668	1/2	101,743	1/2	116,808	1/2	131,863	1/2	146,762
3/4	11,624	3/4	26,698	3/4	41,763	3/4	56,831	3/4	71,906	3/4	86,982	3/4	102,057	3/4	117,121	3/4	132,176	3/4	147,043
9	11,938	9	27,013	9	42,077	9	57,145	9	72,220	9	87,296	9	102,371	9	117,435	9	132,490	9	147,323
1/4	12,252	1/4	27,327	1/4	42,390	1/4	57,459	1/4	72,534	1/4	87,610	1/4	102,685	1/4	117,748	1/4	132,804	1/4	147,587
1/2	12,566	1/2	27,641	1/2	42,704	1/2	57,773	1/2	72,848	1/2	87,924	1/2	102,999	1/2	118,062	1/2	133,117	1/2	147,851
3/4	12,880	3/4	27,955	3/4	43,017	3/4	58,087	3/4	73,163	3/4	88,238	3/4	103,313	3/4	118,376	3/4	133,431	3/4	148,116
10	13,194	10	28,269	10	43,331	10	58,401	10	73,477	10	88,552	10	103,627	10	118,689	10	133,745	10	148,380
1/4	13,508	1/4	28,583	1/4	43,645	1/4	58,715	1/4	73,791	1/4	88,866	1/4	103,941	1/4	119,003	1/4	134,058	1/4	148,628
1/2	13,822	1/2	28,897	1/2	43,958	1/2	59,029	1/2	74,105	1/2	89,180	1/2	104,256	1/2	119,317	1/2	134,372	1/2	148,877
3/4	14,136	3/4	29,211	3/4	44,272	3/4	59,343	3/4	74,419	3/4	89,494	3/4	104,570	3/4	119,630	3/4	134,686	3/4	149,125
11	14,450	11	29,525	11	44,585	11	59,658	11	74,733	11	89,808	11	104,884	11	119,944	11	134,999	11	149,373
1/4	14,764	1/4	29,839	1/4	44,899	1/4	59,972	1/4	75,047	1/4	90,122	1/4	105,198	1/4	120,258	1/4	135,313	1/4	149,605
1/2	15,078	1/2	30,153	1/2	45,213	1/2	60,286	1/2	75,361	1/2	90,436	1/2	105,512	1/2	120,571	1/2	135,627	1/2	149,837
3/4	15,392	3/4	30,467	3/4	45,526	3/4	60,600	3/4	75,675	3/4	90,750	3/4	105,826	3/4	120,885	3/4	135,940	3/4	150,069

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 3005"

3 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	150,301	0	160,723	0	171,123	0	181,495	0	191,851	0		0		0		0		0	
1/4	150,522	1/4	160,940	1/4	171,340	1/4	181,711	1/4	192,045	1/4		1/4		1/4		1/4		1/4	
1/2	150,742	1/2	161,157	1/2	171,556	1/2	181,927	1/2	192,239	1/2		1/2		1/2		1/2		1/2	
3/4	150,962	3/4	161,374	3/4	171,772	3/4	182,143	3/4	192,433	3/4		3/4		3/4		3/4		3/4	
1	151,183	1	161,591	1	171,988	1	182,359	1	192,626	1		1		1		1		1	
1/4	151,400	1/4	161,807	1/4	172,204	1/4	182,575	1/4	192,787	1/4		1/4		1/4		1/4		1/4	
1/2	151,616	1/2	162,024	1/2	172,420	1/2	182,791	1/2	192,947	1/2		1/2		1/2		1/2		1/2	
3/4	151,833	3/4	162,241	3/4	172,636	3/4	183,007	3/4	193,107	3/4		3/4		3/4		3/4		3/4	
2	152,050	2	162,458	2	172,852	2	183,223	2	193,267	2		2		2		2		2	
1/4	152,267	1/4	162,675	1/4	173,068	1/4	183,439	1/4	193,392	1/4		1/4		1/4		1/4		1/4	
1/2	152,484	1/2	162,892	1/2	173,284	1/2	183,655	1/2	193,516	1/2		1/2		1/2		1/2		1/2	
3/4	152,701	3/4	163,108	3/4	173,500	3/4	183,871	3/4	193,640	3/4		3/4		3/4		3/4		3/4	
3	152,917	3	163,325	3	173,716	3	184,087	3	193,764	3		3		3		3		3	
1/4	153,134	1/4	163,542	1/4	173,932	1/4	184,303	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,351	1/2	163,759	1/2	174,148	1/2	184,519	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,568	3/4	163,976	3/4	174,364	3/4	184,736	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,785	4	164,193	4	174,580	4	184,952	4		4		4		4		4		4	
1/4	154,002	1/4	164,409	1/4	174,797	1/4	185,168	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,218	1/2	164,626	1/2	175,013	1/2	185,384	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,435	3/4	164,843	3/4	175,229	3/4	185,600	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,652	5	165,060	5	175,445	5	185,816	5		5		5		5		5		5	
1/4	154,869	1/4	165,277	1/4	175,661	1/4	186,032	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,086	1/2	165,494	1/2	175,877	1/2	186,248	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,303	3/4	165,710	3/4	176,093	3/4	186,464	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,519	6	165,927	6	176,309	6	186,680	6		6		6		6		6		6	
1/4	155,736	1/4	166,144	1/4	176,525	1/4	186,896	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,953	1/2	166,361	1/2	176,741	1/2	187,112	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,170	3/4	166,578	3/4	176,957	3/4	187,328	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,387	7	166,795	7	177,173	7	187,544	7		7		7		7		7		7	
1/4	156,604	1/4	167,011	1/4	177,389	1/4	187,761	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,820	1/2	167,228	1/2	177,605	1/2	187,977	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,037	3/4	167,445	3/4	177,821	3/4	188,193	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,254	8	167,662	8	178,038	8	188,409	8		8		8		8		8		8	
1/4	157,471	1/4	167,879	1/4	178,254	1/4	188,625	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,688	1/2	168,095	1/2	178,470	1/2	188,841	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,905	3/4	168,312	3/4	178,686	3/4	189,057	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,121	9	168,529	9	178,902	9	189,274	9		9		9		9		9		9	
1/4	158,338	1/4	168,746	1/4	179,118	1/4	189,490	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,555	1/2	168,962	1/2	179,334	1/2	189,706	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,772	3/4	169,178	3/4	179,550	3/4	189,922	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,989	10	169,395	10	179,766	10	190,138	10		10		10		10		10		10	
1/4	159,206	1/4	169,611	1/4	179,982	1/4	190,354	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,422	1/2	169,827	1/2	180,198	1/2	190,570	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,639	3/4	170,043	3/4	180,414	3/4	190,786	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,856	11	170,259	11	180,630	11	191,001	11		11		11		11		11		11	
1/4	160,073	1/4	170,475	1/4	180,846	1/4	191,214	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,290	1/2	170,691	1/2	181,062	1/2	191,426	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,506	3/4	170,907	3/4	181,279	3/4	191,639	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 3005"

PORT SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 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	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 3005"

STBD SLOP TANK

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-06 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	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 3005"

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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