



BARGE "HSM 4104"

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	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/8	- 00-1/8	00-1/4	- 00-1/4
1 STBD	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	00-1/4	- 00-1/4
2 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
2 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
3 PORT	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	00-1/4	- 00-1/4
3 STBD	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	00-1/4	- 00-1/4

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"
 AFT DRAFT = 5'-00"
 DIFF. = 4'-00" (DOWN BY STERN)

THE CORRECTION FOR 4'-00" TRIM DOWN BY STERN FOR 1 PORT IS - 00-1/8"
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

October 24, 2024

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

<http://www.pmacorp.net>



BARGE "HSM 4104"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	248	0	12,888	0	27,763	0	42,805	0	57,788	0	72,785	0	87,827	0	102,870	0	117,908	0	132,944
1/4	404	1/4	13,185	1/4	28,077	1/4	43,119	1/4	58,099	1/4	73,098	1/4	88,141	1/4	103,183	1/4	118,221	1/4	133,257
1/2	560	1/2	13,483	1/2	28,390	1/2	43,432	1/2	58,410	1/2	73,412	1/2	88,454	1/2	103,497	1/2	118,534	1/2	133,570
3/4	716	3/4	13,781	3/4	28,703	3/4	43,745	3/4	58,721	3/4	73,725	3/4	88,768	3/4	103,810	3/4	118,847	3/4	133,883
1	872	1	14,079	1	29,017	1	44,059	1	59,032	1	74,039	1	89,081	1	104,123	1	119,161	1	134,196
1/4	1,100	1/4	14,381	1/4	29,330	1/4	44,372	1/4	59,343	1/4	74,352	1/4	89,394	1/4	104,437	1/4	119,474	1/4	134,510
1/2	1,328	1/2	14,682	1/2	29,644	1/2	44,685	1/2	59,654	1/2	74,665	1/2	89,708	1/2	104,750	1/2	119,787	1/2	134,823
3/4	1,556	3/4	14,984	3/4	29,957	3/4	44,999	3/4	59,965	3/4	74,979	3/4	90,021	3/4	105,063	3/4	120,100	3/4	135,136
2	1,784	2	15,285	2	30,270	2	45,312	2	60,276	2	75,292	2	90,334	2	105,377	2	120,414	2	135,449
1/4	2,044	1/4	15,590	1/4	30,584	1/4	45,626	1/4	60,587	1/4	75,605	1/4	90,648	1/4	105,690	1/4	120,727	1/4	135,763
1/2	2,304	1/2	15,895	1/2	30,897	1/2	45,939	1/2	60,898	1/2	75,919	1/2	90,961	1/2	106,004	1/2	121,040	1/2	136,076
3/4	2,564	3/4	16,200	3/4	31,210	3/4	46,252	3/4	61,209	3/4	76,232	3/4	91,275	3/4	106,317	3/4	121,353	3/4	136,389
3	2,824	3	16,506	3	31,524	3	46,566	3	61,520	3	76,546	3	91,588	3	106,630	3	121,667	3	136,702
1/4	3,089	1/4	16,814	1/4	31,837	1/4	46,879	1/4	61,831	1/4	76,859	1/4	91,901	1/4	106,944	1/4	121,980	1/4	137,016
1/2	3,353	1/2	17,123	1/2	32,151	1/2	47,192	1/2	62,142	1/2	77,172	1/2	92,215	1/2	107,257	1/2	122,293	1/2	137,329
3/4	3,618	3/4	17,432	3/4	32,464	3/4	47,506	3/4	62,453	3/4	77,486	3/4	92,528	3/4	107,570	3/4	122,606	3/4	137,642
4	3,883	4	17,741	4	32,777	4	47,819	4	62,765	4	77,799	4	92,842	4	107,884	4	122,920	4	137,955
1/4	4,151	1/4	18,053	1/4	33,091	1/4	48,132	1/4	63,076	1/4	78,113	1/4	93,155	1/4	108,197	1/4	123,233	1/4	138,269
1/2	4,420	1/2	18,365	1/2	33,404	1/2	48,445	1/2	63,388	1/2	78,426	1/2	93,468	1/2	108,510	1/2	123,546	1/2	138,582
3/4	4,688	3/4	18,677	3/4	33,717	3/4	48,758	3/4	63,700	3/4	78,739	3/4	93,782	3/4	108,823	3/4	123,859	3/4	138,895
5	4,957	5	18,989	5	34,031	5	49,071	5	64,011	5	79,053	5	94,095	5	109,137	5	124,173	5	139,208
1/4	5,229	1/4	19,302	1/4	34,344	1/4	49,383	1/4	64,324	1/4	79,366	1/4	94,408	1/4	109,450	1/4	124,486	1/4	139,522
1/2	5,501	1/2	19,616	1/2	34,658	1/2	49,695	1/2	64,638	1/2	79,679	1/2	94,722	1/2	109,763	1/2	124,799	1/2	139,835
3/4	5,774	3/4	19,929	3/4	34,971	3/4	50,007	3/4	64,951	3/4	79,993	3/4	95,035	3/4	110,076	3/4	125,112	3/4	140,148
6	6,046	6	20,242	6	35,284	6	50,319	6	65,264	6	80,306	6	95,349	6	110,390	6	125,426	6	140,461
1/4	6,322	1/4	20,556	1/4	35,598	1/4	50,631	1/4	65,577	1/4	80,620	1/4	95,662	1/4	110,703	1/4	125,739	1/4	140,775
1/2	6,598	1/2	20,869	1/2	35,911	1/2	50,943	1/2	65,891	1/2	80,933	1/2	95,975	1/2	111,016	1/2	126,052	1/2	141,088
3/4	6,874	3/4	21,183	3/4	36,224	3/4	51,254	3/4	66,204	3/4	81,246	3/4	96,289	3/4	111,329	3/4	126,365	3/4	141,401
7	7,150	7	21,496	7	36,538	7	51,566	7	66,517	7	81,560	7	96,602	7	111,643	7	126,679	7	141,714
1/4	7,429	1/4	21,809	1/4	36,851	1/4	51,878	1/4	66,831	1/4	81,873	1/4	96,915	1/4	111,956	1/4	126,992	1/4	142,028
1/2	7,709	1/2	22,123	1/2	37,165	1/2	52,189	1/2	67,144	1/2	82,186	1/2	97,229	1/2	112,269	1/2	127,305	1/2	142,341
3/4	7,989	3/4	22,436	3/4	37,478	3/4	52,500	3/4	67,458	3/4	82,500	3/4	97,542	3/4	112,582	3/4	127,618	3/4	142,654
8	8,268	8	22,749	8	37,791	8	52,812	8	67,771	8	82,813	8	97,856	8	112,896	8	127,932	8	142,967
1/4	8,551	1/4	23,063	1/4	38,105	1/4	53,123	1/4	68,084	1/4	83,127	1/4	98,169	1/4	113,209	1/4	128,245	1/4	143,281
1/2	8,835	1/2	23,376	1/2	38,418	1/2	53,434	1/2	68,398	1/2	83,440	1/2	98,482	1/2	113,522	1/2	128,558	1/2	143,594
3/4	9,118	3/4	23,689	3/4	38,731	3/4	53,745	3/4	68,711	3/4	83,753	3/4	98,796	3/4	113,835	3/4	128,871	3/4	143,907
9	9,401	9	24,003	9	39,045	9	54,056	9	69,024	9	84,067	9	99,109	9	114,149	9	129,185	9	144,220
1/4	9,688	1/4	24,316	1/4	39,358	1/4	54,367	1/4	69,338	1/4	84,380	1/4	99,423	1/4	114,462	1/4	129,498	1/4	144,534
1/2	9,975	1/2	24,630	1/2	39,672	1/2	54,678	1/2	69,651	1/2	84,694	1/2	99,736	1/2	114,775	1/2	129,811	1/2	144,847
3/4	10,262	3/4	24,943	3/4	39,985	3/4	54,989	3/4	69,965	3/4	85,007	3/4	100,049	3/4	115,088	3/4	130,124	3/4	145,160
10	10,549	10	25,256	10	40,298	10	55,300	10	70,278	10	85,320	10	100,363	10	115,402	10	130,438	10	145,473
1/4	10,839	1/4	25,570	1/4	40,612	1/4	55,611	1/4	70,591	1/4	85,634	1/4	100,676	1/4	115,715	1/4	130,751	1/4	145,787
1/2	11,130	1/2	25,883	1/2	40,925	1/2	55,922	1/2	70,905	1/2	85,947	1/2	100,989	1/2	116,028	1/2	131,064	1/2	146,100
3/4	11,420	3/4	26,196	3/4	41,238	3/4	56,233	3/4	71,218	3/4	86,260	3/4	101,303	3/4	116,341	3/4	131,377	3/4	146,413
11	11,711	11	26,510	11	41,552	11	56,544	11	71,531	11	86,574	11	101,616	11	116,655	11	131,691	11	146,726
1/4	12,005	1/4	26,823	1/4	41,865	1/4	56,855	1/4	71,845	1/4	86,887	1/4	101,930	1/4	116,968	1/4	132,004	1/4	147,040
1/2	12,299	1/2	27,137	1/2	42,179	1/2	57,166	1/2	72,158	1/2	87,201	1/2	102,243	1/2	117,281	1/2	132,317	1/2	147,353
3/4	12,593	3/4	27,450	3/4	42,492	3/4	57,477	3/4	72,472	3/4	87,514	3/4	102,556	3/4	117,594	3/4	132,630	3/4	147,666

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 LIP OF 2" 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
<http://www.pmacorp.net>



BARGE "HSM 4104"

1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

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	147,979	0	163,015	0	178,043	0	193,035	0	207,972	0		0		0		0		0	
1/4	148,293	1/4	163,328	1/4	178,355	1/4	193,347	1/4	208,275	1/4		1/4		1/4		1/4		1/4	
1/2	148,606	1/2	163,642	1/2	178,668	1/2	193,659	1/2	208,577	1/2		1/2		1/2		1/2		1/2	
3/4	148,919	3/4	163,955	3/4	178,980	3/4	193,972	3/4	208,880	3/4		3/4		3/4		3/4		3/4	
1	149,232	1	164,268	1	179,292	1	194,284	1	209,183	1		1		1		1		1	
1/4	149,546	1/4	164,581	1/4	179,605	1/4	194,596	1/4	209,454	1/4		1/4		1/4		1/4		1/4	
1/2	149,859	1/2	164,895	1/2	179,917	1/2	194,909	1/2	209,725	1/2		1/2		1/2		1/2		1/2	
3/4	150,172	3/4	165,208	3/4	180,229	3/4	195,221	3/4	209,996	3/4		3/4		3/4		3/4		3/4	
2	150,485	2	165,521	2	180,542	2	195,533	2	210,267	2		2		2		2		2	
1/4	150,799	1/4	165,834	1/4	180,854	1/4	195,846	1/4	210,486	1/4		1/4		1/4		1/4		1/4	
1/2	151,112	1/2	166,148	1/2	181,166	1/2	196,158	1/2	210,705	1/2		1/2		1/2		1/2		1/2	
3/4	151,425	3/4	166,461	3/4	181,479	3/4	196,470	3/4	210,924	3/4		3/4		3/4		3/4		3/4	
3	151,738	3	166,774	3	181,791	3	196,783	3	211,143	3		3		3		3		3	
1/4	152,052	1/4	167,087	1/4	182,103	1/4	197,095	1/4	211,309	1/4		1/4		1/4		1/4		1/4	
1/2	152,365	1/2	167,401	1/2	182,416	1/2	197,407	1/2	211,476	1/2		1/2		1/2		1/2		1/2	
3/4	152,678	3/4	167,714	3/4	182,728	3/4	197,720	3/4	211,643	3/4		3/4		3/4		3/4		3/4	
4	152,991	4	168,027	4	183,040	4	198,032	4	211,810	4		4		4		4		4	
1/4	153,305	1/4	168,340	1/4	183,353	1/4	198,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,618	1/2	168,654	1/2	183,665	1/2	198,657	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,931	3/4	168,967	3/4	183,977	3/4	198,969	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,244	5	169,280	5	184,290	5	199,281	5		5		5		5		5		5	
1/4	154,558	1/4	169,593	1/4	184,602	1/4	199,593	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,871	1/2	169,907	1/2	184,914	1/2	199,905	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,184	3/4	170,220	3/4	185,227	3/4	200,217	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,497	6	170,533	6	185,539	6	200,529	6		6		6		6		6		6	
1/4	155,811	1/4	170,846	1/4	185,851	1/4	200,839	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,124	1/2	171,160	1/2	186,164	1/2	201,149	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,437	3/4	171,473	3/4	186,476	3/4	201,459	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,750	7	171,786	7	186,788	7	201,769	7		7		7		7		7		7	
1/4	157,064	1/4	172,099	1/4	187,101	1/4	202,080	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,377	1/2	172,413	1/2	187,413	1/2	202,390	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,690	3/4	172,726	3/4	187,725	3/4	202,700	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,003	8	173,039	8	188,038	8	203,010	8		8		8		8		8		8	
1/4	158,317	1/4	173,352	1/4	188,350	1/4	203,321	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,630	1/2	173,666	1/2	188,662	1/2	203,631	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,943	3/4	173,979	3/4	188,975	3/4	203,941	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,256	9	174,292	9	189,287	9	204,252	9		9		9		9		9		9	
1/4	159,569	1/4	174,605	1/4	189,599	1/4	204,562	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,883	1/2	174,918	1/2	189,912	1/2	204,872	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,196	3/4	175,231	3/4	190,224	3/4	205,183	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,509	10	175,544	10	190,536	10	205,493	10		10		10		10		10		10	
1/4	160,822	1/4	175,857	1/4	190,848	1/4	205,803	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,136	1/2	176,169	1/2	191,161	1/2	206,113	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,449	3/4	176,481	3/4	191,473	3/4	206,423	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,762	11	176,794	11	191,785	11	206,734	11		11		11		11		11		11	
1/4	162,075	1/4	177,106	1/4	192,098	1/4	207,043	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,389	1/2	177,418	1/2	192,410	1/2	207,353	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,702	3/4	177,731	3/4	192,722	3/4	207,662	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

1 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	248	0	12,872	0	27,728	0	42,750	0	57,767	0	72,786	0	87,808	0	102,830	0	117,847	0	132,863
1/4	404	1/4	13,170	1/4	28,041	1/4	43,062	1/4	58,080	1/4	73,099	1/4	88,121	1/4	103,143	1/4	118,160	1/4	133,176
1/2	560	1/2	13,467	1/2	28,354	1/2	43,375	1/2	58,392	1/2	73,412	1/2	88,434	1/2	103,456	1/2	118,473	1/2	133,489
3/4	716	3/4	13,765	3/4	28,667	3/4	43,688	3/4	58,705	3/4	73,725	3/4	88,747	3/4	103,769	3/4	118,786	3/4	133,801
1	872	1	14,062	1	28,980	1	44,001	1	59,018	1	74,038	1	89,060	1	104,082	1	119,099	1	134,114
1/4	1,099	1/4	14,363	1/4	29,293	1/4	44,314	1/4	59,331	1/4	74,351	1/4	89,373	1/4	104,395	1/4	119,411	1/4	134,427
1/2	1,327	1/2	14,664	1/2	29,606	1/2	44,627	1/2	59,643	1/2	74,664	1/2	89,686	1/2	104,708	1/2	119,724	1/2	134,740
3/4	1,555	3/4	14,965	3/4	29,919	3/4	44,940	3/4	59,956	3/4	74,977	3/4	89,999	3/4	105,021	3/4	120,037	3/4	135,053
2	1,782	2	15,267	2	30,232	2	45,253	2	60,269	2	75,290	2	90,312	2	105,334	2	120,350	2	135,365
1/4	2,042	1/4	15,571	1/4	30,545	1/4	45,566	1/4	60,581	1/4	75,602	1/4	90,624	1/4	105,646	1/4	120,663	1/4	135,678
1/2	2,302	1/2	15,876	1/2	30,857	1/2	45,879	1/2	60,894	1/2	75,915	1/2	90,937	1/2	105,959	1/2	120,976	1/2	135,991
3/4	2,562	3/4	16,181	3/4	31,170	3/4	46,192	3/4	61,207	3/4	76,228	3/4	91,250	3/4	106,272	3/4	121,288	3/4	136,304
3	2,821	3	16,486	3	31,483	3	46,505	3	61,520	3	76,541	3	91,563	3	106,585	3	121,601	3	136,617
1/4	3,086	1/4	16,794	1/4	31,796	1/4	46,818	1/4	61,833	1/4	76,854	1/4	91,876	1/4	106,898	1/4	121,914	1/4	136,930
1/2	3,350	1/2	17,102	1/2	32,109	1/2	47,131	1/2	62,145	1/2	77,167	1/2	92,189	1/2	107,211	1/2	122,227	1/2	137,242
3/4	3,614	3/4	17,411	3/4	32,422	3/4	47,444	3/4	62,458	3/4	77,480	3/4	92,502	3/4	107,524	3/4	122,540	3/4	137,555
4	3,879	4	17,719	4	32,735	4	47,757	4	62,771	4	77,793	4	92,815	4	107,837	4	122,853	4	137,868
1/4	4,147	1/4	18,031	1/4	33,048	1/4	48,070	1/4	63,084	1/4	78,106	1/4	93,128	1/4	108,150	1/4	123,165	1/4	138,181
1/2	4,415	1/2	18,342	1/2	33,361	1/2	48,383	1/2	63,397	1/2	78,419	1/2	93,441	1/2	108,463	1/2	123,478	1/2	138,494
3/4	4,683	3/4	18,654	3/4	33,674	3/4	48,696	3/4	63,710	3/4	78,732	3/4	93,754	3/4	108,776	3/4	123,791	3/4	138,807
5	4,952	5	18,965	5	33,987	5	49,008	5	64,023	5	79,045	5	94,067	5	109,088	5	124,104	5	139,119
1/4	5,224	1/4	19,278	1/4	34,300	1/4	49,321	1/4	64,336	1/4	79,358	1/4	94,380	1/4	109,401	1/4	124,417	1/4	139,432
1/2	5,495	1/2	19,591	1/2	34,613	1/2	49,634	1/2	64,649	1/2	79,671	1/2	94,693	1/2	109,714	1/2	124,729	1/2	139,745
3/4	5,767	3/4	19,904	3/4	34,926	3/4	49,947	3/4	64,962	3/4	79,984	3/4	95,006	3/4	110,027	3/4	125,042	3/4	140,058
6	6,039	6	20,217	6	35,239	6	50,260	6	65,275	6	80,297	6	95,319	6	110,340	6	125,355	6	140,371
1/4	6,315	1/4	20,530	1/4	35,552	1/4	50,573	1/4	65,588	1/4	80,610	1/4	95,632	1/4	110,652	1/4	125,668	1/4	140,684
1/2	6,591	1/2	20,843	1/2	35,865	1/2	50,886	1/2	65,901	1/2	80,923	1/2	95,945	1/2	110,965	1/2	125,981	1/2	140,996
3/4	6,866	3/4	21,156	3/4	36,178	3/4	51,199	3/4	66,214	3/4	81,236	3/4	96,258	3/4	111,278	3/4	126,294	3/4	141,309
7	7,142	7	21,469	7	36,491	7	51,512	7	66,527	7	81,549	7	96,571	7	111,591	7	126,606	7	141,622
1/4	7,421	1/4	21,782	1/4	36,803	1/4	51,825	1/4	66,840	1/4	81,862	1/4	96,884	1/4	111,904	1/4	126,919	1/4	141,935
1/2	7,700	1/2	22,095	1/2	37,116	1/2	52,138	1/2	67,153	1/2	82,175	1/2	97,197	1/2	112,217	1/2	127,232	1/2	142,248
3/4	7,979	3/4	22,408	3/4	37,429	3/4	52,450	3/4	67,466	3/4	82,488	3/4	97,510	3/4	112,529	3/4	127,545	3/4	142,560
8	8,259	8	22,721	8	37,742	8	52,763	8	67,779	8	82,801	8	97,823	8	112,842	8	127,858	8	142,873
1/4	8,542	1/4	23,034	1/4	38,055	1/4	53,076	1/4	68,091	1/4	83,113	1/4	98,135	1/4	113,155	1/4	128,171	1/4	143,186
1/2	8,824	1/2	23,347	1/2	38,368	1/2	53,389	1/2	68,404	1/2	83,426	1/2	98,448	1/2	113,468	1/2	128,483	1/2	143,499
3/4	9,107	3/4	23,660	3/4	38,681	3/4	53,701	3/4	68,717	3/4	83,739	3/4	98,761	3/4	113,781	3/4	128,796	3/4	143,812
9	9,390	9	23,973	9	38,994	9	54,014	9	69,030	9	84,052	9	99,074	9	114,094	9	129,109	9	144,125
1/4	9,677	1/4	24,286	1/4	39,307	1/4	54,327	1/4	69,343	1/4	84,365	1/4	99,387	1/4	114,406	1/4	129,422	1/4	144,437
1/2	9,963	1/2	24,598	1/2	39,620	1/2	54,640	1/2	69,656	1/2	84,678	1/2	99,700	1/2	114,719	1/2	129,735	1/2	144,750
3/4	10,250	3/4	24,911	3/4	39,933	3/4	54,952	3/4	69,969	3/4	84,991	3/4	100,013	3/4	115,032	3/4	130,047	3/4	145,063
10	10,536	10	25,224	10	40,246	10	55,265	10	70,282	10	85,304	10	100,326	10	115,345	10	130,360	10	145,376
1/4	10,826	1/4	25,537	1/4	40,559	1/4	55,578	1/4	70,595	1/4	85,617	1/4	100,639	1/4	115,658	1/4	130,673	1/4	145,689
1/2	11,117	1/2	25,850	1/2	40,872	1/2	55,890	1/2	70,908	1/2	85,930	1/2	100,952	1/2	115,970	1/2	130,986	1/2	146,002
3/4	11,407	3/4	26,163	3/4	41,185	3/4	56,203	3/4	71,221	3/4	86,243	3/4	101,265	3/4	116,283	3/4	131,299	3/4	146,314
11	11,697	11	26,476	11	41,498	11	56,516	11	71,534	11	86,556	11	101,578	11	116,596	11	131,612	11	146,627
1/4	11,991	1/4	26,789	1/4	41,811	1/4	56,829	1/4	71,847	1/4	86,869	1/4	101,891	1/4	116,909	1/4	131,924	1/4	146,940
1/2	12,285	1/2	27,102	1/2	42,124	1/2	57,141	1/2	72,160	1/2	87,182	1/2	102,204	1/2	117,222	1/2	132,237	1/2	147,253
3/4	12,578	3/4	27,415	3/4	42,437	3/4	57,454	3/4	72,473	3/4	87,495	3/4	102,517	3/4	117,535	3/4	132,550	3/4	147,566

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 LIP OF 2" 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
<http://www.pmacorp.net>



BARGE "HSM 4104"

1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	147,879	0	162,894	0	177,902	0	192,874	0	207,791	0		0		0		0		0	
1/4	148,191	1/4	163,207	1/4	178,214	1/4	193,186	1/4	208,093	1/4		1/4		1/4		1/4		1/4	
1/2	148,504	1/2	163,520	1/2	178,526	1/2	193,498	1/2	208,396	1/2		1/2		1/2		1/2		1/2	
3/4	148,817	3/4	163,833	3/4	178,838	3/4	193,810	3/4	208,698	3/4		3/4		3/4		3/4		3/4	
1	149,130	1	164,146	1	179,150	1	194,121	1	209,000	1		1		1		1		1	
1/4	149,443	1/4	164,458	1/4	179,461	1/4	194,433	1/4	209,271	1/4		1/4		1/4		1/4		1/4	
1/2	149,756	1/2	164,771	1/2	179,773	1/2	194,745	1/2	209,542	1/2		1/2		1/2		1/2		1/2	
3/4	150,068	3/4	165,084	3/4	180,085	3/4	195,057	3/4	209,812	3/4		3/4		3/4		3/4		3/4	
2	150,381	2	165,397	2	180,397	2	195,369	2	210,083	2		2		2		2		2	
1/4	150,694	1/4	165,710	1/4	180,709	1/4	195,681	1/4	210,302	1/4		1/4		1/4		1/4		1/4	
1/2	151,007	1/2	166,023	1/2	181,021	1/2	195,993	1/2	210,520	1/2		1/2		1/2		1/2		1/2	
3/4	151,320	3/4	166,335	3/4	181,333	3/4	196,305	3/4	210,739	3/4		3/4		3/4		3/4		3/4	
3	151,633	3	166,648	3	181,645	3	196,617	3	210,958	3		3		3		3		3	
1/4	151,945	1/4	166,961	1/4	181,957	1/4	196,929	1/4	211,124	1/4		1/4		1/4		1/4		1/4	
1/2	152,258	1/2	167,274	1/2	182,269	1/2	197,241	1/2	211,291	1/2		1/2		1/2		1/2		1/2	
3/4	152,571	3/4	167,587	3/4	182,581	3/4	197,553	3/4	211,457	3/4		3/4		3/4		3/4		3/4	
4	152,884	4	167,900	4	182,893	4	197,864	4	211,624	4		4		4		4		4	
1/4	153,197	1/4	168,212	1/4	183,204	1/4	198,176	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,509	1/2	168,525	1/2	183,516	1/2	198,488	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,822	3/4	168,838	3/4	183,828	3/4	198,800	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,135	5	169,151	5	184,140	5	199,112	5		5		5		5		5		5	
1/4	154,448	1/4	169,464	1/4	184,452	1/4	199,424	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,761	1/2	169,777	1/2	184,764	1/2	199,735	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,074	3/4	170,089	3/4	185,076	3/4	200,046	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,386	6	170,402	6	185,388	6	200,358	6		6		6		6		6		6	
1/4	155,699	1/4	170,715	1/4	185,700	1/4	200,667	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,012	1/2	171,028	1/2	186,012	1/2	200,977	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,325	3/4	171,341	3/4	186,324	3/4	201,287	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,638	7	171,654	7	186,636	7	201,597	7		7		7		7		7		7	
1/4	156,951	1/4	171,966	1/4	186,947	1/4	201,907	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,263	1/2	172,279	1/2	187,259	1/2	202,216	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,576	3/4	172,592	3/4	187,571	3/4	202,526	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,889	8	172,905	8	187,883	8	202,836	8		8		8		8		8		8	
1/4	158,202	1/4	173,218	1/4	188,195	1/4	203,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,515	1/2	173,530	1/2	188,507	1/2	203,456	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,828	3/4	173,843	3/4	188,819	3/4	203,766	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,140	9	174,156	9	189,131	9	204,076	9		9		9		9		9		9	
1/4	159,453	1/4	174,469	1/4	189,443	1/4	204,386	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,766	1/2	174,781	1/2	189,755	1/2	204,695	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,079	3/4	175,094	3/4	190,067	3/4	205,005	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,392	10	175,407	10	190,378	10	205,315	10		10		10		10		10		10	
1/4	160,705	1/4	175,718	1/4	190,690	1/4	205,625	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,017	1/2	176,030	1/2	191,002	1/2	205,935	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,330	3/4	176,342	3/4	191,314	3/4	206,245	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,643	11	176,654	11	191,626	11	206,554	11		11		11		11		11		11	
1/4	161,956	1/4	176,966	1/4	191,938	1/4	206,864	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,269	1/2	177,278	1/2	192,250	1/2	207,173	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,581	3/4	177,590	3/4	192,562	3/4	207,482	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	834	0	15,362	0	30,405	0	45,137	0	59,892	0	74,938	0	89,984	0	105,030	0	120,071	0	135,110
1/4	1,050	1/4	15,676	1/4	30,719	1/4	45,439	1/4	60,206	1/4	75,252	1/4	90,298	1/4	105,344	1/4	120,384	1/4	135,423
1/2	1,265	1/2	15,989	1/2	31,032	1/2	45,741	1/2	60,519	1/2	75,565	1/2	90,611	1/2	105,657	1/2	120,698	1/2	135,736
3/4	1,481	3/4	16,302	3/4	31,346	3/4	46,044	3/4	60,833	3/4	75,879	3/4	90,925	3/4	105,971	3/4	121,011	3/4	136,049
1	1,696	1	16,616	1	31,659	1	46,346	1	61,146	1	76,192	1	91,238	1	106,284	1	121,324	1	136,363
1/4	1,980	1/4	16,929	1/4	31,973	1/4	46,649	1/4	61,460	1/4	76,506	1/4	91,552	1/4	106,598	1/4	121,638	1/4	136,676
1/2	2,264	1/2	17,243	1/2	32,286	1/2	46,951	1/2	61,773	1/2	76,819	1/2	91,865	1/2	106,911	1/2	121,951	1/2	136,989
3/4	2,547	3/4	17,556	3/4	32,599	3/4	47,253	3/4	62,087	3/4	77,133	3/4	92,179	3/4	107,225	3/4	122,264	3/4	137,303
2	2,831	2	17,870	2	32,913	2	47,556	2	62,400	2	77,446	2	92,492	2	107,538	2	122,578	2	137,616
1/4	3,143	1/4	18,183	1/4	33,226	1/4	47,858	1/4	62,714	1/4	77,760	1/4	92,806	1/4	107,852	1/4	122,891	1/4	137,929
1/2	3,455	1/2	18,497	1/2	33,540	1/2	48,161	1/2	63,027	1/2	78,073	1/2	93,119	1/2	108,165	1/2	123,204	1/2	138,243
3/4	3,767	3/4	18,810	3/4	33,853	3/4	48,463	3/4	63,341	3/4	78,386	3/4	93,432	3/4	108,478	3/4	123,517	3/4	138,556
3	4,080	3	19,124	3	34,167	3	48,765	3	63,654	3	78,700	3	93,746	3	108,792	3	123,831	3	138,869
1/4	4,393	1/4	19,437	1/4	34,480	1/4	49,068	1/4	63,967	1/4	79,013	1/4	94,059	1/4	109,105	1/4	124,144	1/4	139,182
1/2	4,706	1/2	19,750	1/2	34,794	1/2	49,371	1/2	64,281	1/2	79,327	1/2	94,373	1/2	109,419	1/2	124,457	1/2	139,496
3/4	5,019	3/4	20,064	3/4	35,107	3/4	49,673	3/4	64,594	3/4	79,640	3/4	94,686	3/4	109,732	3/4	124,771	3/4	139,809
4	5,332	4	20,377	4	35,421	4	49,976	4	64,908	4	79,954	4	95,000	4	110,046	4	125,084	4	140,122
1/4	5,645	1/4	20,691	1/4	35,731	1/4	50,278	1/4	65,221	1/4	80,267	1/4	95,313	1/4	110,359	1/4	125,397	1/4	140,436
1/2	5,959	1/2	21,004	1/2	36,042	1/2	50,581	1/2	65,535	1/2	80,581	1/2	95,627	1/2	110,672	1/2	125,711	1/2	140,749
3/4	6,272	3/4	21,318	3/4	36,353	3/4	50,884	3/4	65,848	3/4	80,894	3/4	95,940	3/4	110,985	3/4	126,024	3/4	141,062
5	6,586	5	21,631	5	36,664	5	51,187	5	66,162	5	81,208	5	96,254	5	111,299	5	126,337	5	141,376
1/4	6,899	1/4	21,945	1/4	36,967	1/4	51,490	1/4	66,475	1/4	81,521	1/4	96,567	1/4	111,612	1/4	126,650	1/4	141,689
1/2	7,212	1/2	22,258	1/2	37,271	1/2	51,793	1/2	66,789	1/2	81,835	1/2	96,880	1/2	111,925	1/2	126,964	1/2	142,002
3/4	7,526	3/4	22,571	3/4	37,574	3/4	52,097	3/4	67,102	3/4	82,148	3/4	97,194	3/4	112,239	3/4	127,277	3/4	142,315
6	7,839	6	22,885	6	37,877	6	52,400	6	67,415	6	82,461	6	97,507	6	112,552	6	127,590	6	142,629
1/4	8,153	1/4	23,198	1/4	38,180	1/4	52,706	1/4	67,729	1/4	82,775	1/4	97,821	1/4	112,865	1/4	127,904	1/4	142,942
1/2	8,466	1/2	23,512	1/2	38,483	1/2	53,012	1/2	68,042	1/2	83,088	1/2	98,134	1/2	113,179	1/2	128,217	1/2	143,255
3/4	8,780	3/4	23,825	3/4	38,786	3/4	53,317	3/4	68,356	3/4	83,402	3/4	98,448	3/4	113,492	3/4	128,530	3/4	143,569
7	9,093	7	24,139	7	39,090	7	53,623	7	68,669	7	83,715	7	98,761	7	113,805	7	128,844	7	143,882
1/4	9,407	1/4	24,452	1/4	39,392	1/4	53,937	1/4	68,983	1/4	84,029	1/4	99,075	1/4	114,118	1/4	129,157	1/4	144,195
1/2	9,720	1/2	24,766	1/2	39,694	1/2	54,250	1/2	69,296	1/2	84,342	1/2	99,388	1/2	114,432	1/2	129,470	1/2	144,509
3/4	10,034	3/4	25,079	3/4	39,997	3/4	54,564	3/4	69,610	3/4	84,656	3/4	99,702	3/4	114,745	3/4	129,783	3/4	144,822
8	10,347	8	25,392	8	40,299	8	54,877	8	69,923	8	84,969	8	100,015	8	115,058	8	130,097	8	145,135
1/4	10,660	1/4	25,706	1/4	40,601	1/4	55,191	1/4	70,237	1/4	85,283	1/4	100,329	1/4	115,372	1/4	130,410	1/4	145,448
1/2	10,974	1/2	26,019	1/2	40,904	1/2	55,504	1/2	70,550	1/2	85,596	1/2	100,642	1/2	115,685	1/2	130,723	1/2	145,762
3/4	11,287	3/4	26,333	3/4	41,206	3/4	55,818	3/4	70,863	3/4	85,909	3/4	100,955	3/4	115,998	3/4	131,037	3/4	146,075
9	11,601	9	26,646	9	41,508	9	56,131	9	71,177	9	86,223	9	101,269	9	116,312	9	131,350	9	146,388
1/4	11,914	1/4	26,959	1/4	41,811	1/4	56,444	1/4	71,490	1/4	86,536	1/4	101,582	1/4	116,625	1/4	131,663	1/4	146,702
1/2	12,228	1/2	27,273	1/2	42,113	1/2	56,758	1/2	71,804	1/2	86,850	1/2	101,896	1/2	116,938	1/2	131,977	1/2	147,015
3/4	12,541	3/4	27,586	3/4	42,416	3/4	57,071	3/4	72,117	3/4	87,163	3/4	102,209	3/4	117,251	3/4	132,290	3/4	147,328
10	12,855	10	27,899	10	42,718	10	57,385	10	72,431	10	87,477	10	102,523	10	117,565	10	132,603	10	147,642
1/4	13,168	1/4	28,212	1/4	43,020	1/4	57,698	1/4	72,744	1/4	87,790	1/4	102,836	1/4	117,878	1/4	132,916	1/4	147,955
1/2	13,481	1/2	28,526	1/2	43,323	1/2	58,012	1/2	73,058	1/2	88,104	1/2	103,150	1/2	118,191	1/2	133,230	1/2	148,268
3/4	13,795	3/4	28,839	3/4	43,625	3/4	58,325	3/4	73,371	3/4	88,417	3/4	103,463	3/4	118,505	3/4	133,543	3/4	148,581
11	14,108	11	29,152	11	43,927	11	58,639	11	73,685	11	88,731	11	103,777	11	118,818	11	133,856	11	148,895
1/4	14,422	1/4	29,465	1/4	44,230	1/4	58,952	1/4	73,998	1/4	89,044	1/4	104,090	1/4	119,131	1/4	134,170	1/4	149,208
1/2	14,735	1/2	29,779	1/2	44,532	1/2	59,266	1/2	74,312	1/2	89,357	1/2	104,403	1/2	119,445	1/2	134,483	1/2	149,521
3/4	15,049	3/4	30,092	3/4	44,834	3/4	59,579	3/4	74,625	3/4	89,671	3/4	104,717	3/4	119,758	3/4	134,796	3/4	149,835

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 LIP OF 2" 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 4104"

2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	150,148	0	165,186	0	180,215	0	195,203	0	210,112	0		0		0		0		0	
1/4	150,461	1/4	165,500	1/4	180,527	1/4	195,515	1/4	210,413	1/4		1/4		1/4		1/4		1/4	
1/2	150,775	1/2	165,813	1/2	180,840	1/2	195,827	1/2	210,715	1/2		1/2		1/2		1/2		1/2	
3/4	151,088	3/4	166,126	3/4	181,152	3/4	196,139	3/4	211,017	3/4		3/4		3/4		3/4		3/4	
1	151,401	1	166,440	1	181,464	1	196,452	1	211,318	1		1		1		1		1	
1/4	151,714	1/4	166,753	1/4	181,776	1/4	196,764	1/4	211,588	1/4		1/4		1/4		1/4		1/4	
1/2	152,028	1/2	167,066	1/2	182,089	1/2	197,076	1/2	211,858	1/2		1/2		1/2		1/2		1/2	
3/4	152,341	3/4	167,380	3/4	182,401	3/4	197,388	3/4	212,129	3/4		3/4		3/4		3/4		3/4	
2	152,654	2	167,693	2	182,713	2	197,700	2	212,399	2		2		2		2		2	
1/4	152,968	1/4	168,006	1/4	183,025	1/4	198,013	1/4	212,616	1/4		1/4		1/4		1/4		1/4	
1/2	153,281	1/2	168,319	1/2	183,338	1/2	198,325	1/2	212,834	1/2		1/2		1/2		1/2		1/2	
3/4	153,594	3/4	168,633	3/4	183,650	3/4	198,637	3/4	213,052	3/4		3/4		3/4		3/4		3/4	
3	153,908	3	168,946	3	183,962	3	198,949	3	213,270	3		3		3		3		3	
1/4	154,221	1/4	169,259	1/4	184,274	1/4	199,262	1/4	213,436	1/4		1/4		1/4		1/4		1/4	
1/2	154,534	1/2	169,573	1/2	184,587	1/2	199,574	1/2	213,601	1/2		1/2		1/2		1/2		1/2	
3/4	154,848	3/4	169,886	3/4	184,899	3/4	199,886	3/4	213,767	3/4		3/4		3/4		3/4		3/4	
4	155,161	4	170,199	4	185,211	4	200,198	4	213,933	4		4		4		4		4	
1/4	155,474	1/4	170,513	1/4	185,523	1/4	200,511	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,787	1/2	170,826	1/2	185,836	1/2	200,823	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,101	3/4	171,139	3/4	186,148	3/4	201,135	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,414	5	171,452	5	186,460	5	201,447	5		5		5		5		5		5	
1/4	156,727	1/4	171,766	1/4	186,772	1/4	201,759	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,041	1/2	172,079	1/2	187,084	1/2	202,070	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,354	3/4	172,392	3/4	187,397	3/4	202,382	3/4		3/4		3/4		3/4		3/4		3/4	
6	157,667	6	172,706	6	187,709	6	202,693	6		6		6		6		6		6	
1/4	157,981	1/4	173,019	1/4	188,021	1/4	203,002	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,294	1/2	173,332	1/2	188,333	1/2	203,311	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,607	3/4	173,646	3/4	188,646	3/4	203,621	3/4		3/4		3/4		3/4		3/4		3/4	
7	158,920	7	173,959	7	188,958	7	203,930	7		7		7		7		7		7	
1/4	159,234	1/4	174,272	1/4	189,270	1/4	204,239	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,547	1/2	174,585	1/2	189,582	1/2	204,548	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,860	3/4	174,899	3/4	189,895	3/4	204,857	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,174	8	175,212	8	190,207	8	205,166	8		8		8		8		8		8	
1/4	160,487	1/4	175,525	1/4	190,519	1/4	205,476	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,800	1/2	175,839	1/2	190,831	1/2	205,785	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,114	3/4	176,152	3/4	191,144	3/4	206,094	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,427	9	176,465	9	191,456	9	206,404	9		9		9		9		9		9	
1/4	161,740	1/4	176,778	1/4	191,768	1/4	206,713	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,053	1/2	177,091	1/2	192,080	1/2	207,022	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,367	3/4	177,404	3/4	192,392	3/4	207,332	3/4		3/4		3/4		3/4		3/4		3/4	
10	162,680	10	177,717	10	192,705	10	207,641	10		10		10		10		10		10	
1/4	162,993	1/4	178,030	1/4	193,017	1/4	207,950	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,307	1/2	178,342	1/2	193,329	1/2	208,259	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,620	3/4	178,654	3/4	193,641	3/4	208,568	3/4		3/4		3/4		3/4		3/4		3/4	
11	163,933	11	178,966	11	193,954	11	208,877	11		11		11		11		11		11	
1/4	164,247	1/4	179,279	1/4	194,266	1/4	209,186	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,560	1/2	179,591	1/2	194,578	1/2	209,495	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,873	3/4	179,903	3/4	194,890	3/4	209,803	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	835	0	15,370	0	30,421	0	45,455	0	60,492	0	75,545	0	90,599	0	105,652	0	120,700	0	135,746
1/4	1,051	1/4	15,684	1/4	30,735	1/4	45,768	1/4	60,806	1/4	75,859	1/4	90,912	1/4	105,966	1/4	121,014	1/4	136,059
1/2	1,266	1/2	15,997	1/2	31,048	1/2	46,080	1/2	61,119	1/2	76,173	1/2	91,226	1/2	106,279	1/2	121,327	1/2	136,373
3/4	1,482	3/4	16,311	3/4	31,362	3/4	46,393	3/4	61,433	3/4	76,486	3/4	91,540	3/4	106,593	3/4	121,640	3/4	136,686
1	1,697	1	16,625	1	31,676	1	46,706	1	61,747	1	76,800	1	91,853	1	106,906	1	121,954	1	137,000
1/4	1,981	1/4	16,938	1/4	31,989	1/4	47,018	1/4	62,060	1/4	77,114	1/4	92,167	1/4	107,220	1/4	122,267	1/4	137,313
1/2	2,265	1/2	17,252	1/2	32,303	1/2	47,331	1/2	62,374	1/2	77,427	1/2	92,480	1/2	107,534	1/2	122,581	1/2	137,627
3/4	2,549	3/4	17,565	3/4	32,616	3/4	47,644	3/4	62,687	3/4	77,741	3/4	92,794	3/4	107,847	3/4	122,894	3/4	137,940
2	2,832	2	17,879	2	32,930	2	47,956	2	63,001	2	78,054	2	93,108	2	108,161	2	123,208	2	138,253
1/4	3,145	1/4	18,193	1/4	33,244	1/4	48,269	1/4	63,315	1/4	78,368	1/4	93,421	1/4	108,475	1/4	123,521	1/4	138,567
1/2	3,457	1/2	18,506	1/2	33,557	1/2	48,582	1/2	63,628	1/2	78,682	1/2	93,735	1/2	108,788	1/2	123,835	1/2	138,880
3/4	3,769	3/4	18,820	3/4	33,871	3/4	48,894	3/4	63,942	3/4	78,995	3/4	94,048	3/4	109,102	3/4	124,148	3/4	139,194
3	4,082	3	19,133	3	34,184	3	49,207	3	64,256	3	79,309	3	94,362	3	109,415	3	124,462	3	139,507
1/4	4,395	1/4	19,447	1/4	34,498	1/4	49,520	1/4	64,569	1/4	79,622	1/4	94,676	1/4	109,729	1/4	124,775	1/4	139,821
1/2	4,708	1/2	19,761	1/2	34,812	1/2	49,833	1/2	64,883	1/2	79,936	1/2	94,989	1/2	110,042	1/2	125,088	1/2	140,134
3/4	5,022	3/4	20,074	3/4	35,125	3/4	50,146	3/4	65,196	3/4	80,250	3/4	95,303	3/4	110,356	3/4	125,402	3/4	140,448
4	5,335	4	20,388	4	35,439	4	50,459	4	65,510	4	80,563	4	95,617	4	110,670	4	125,715	4	140,761
1/4	5,648	1/4	20,702	1/4	35,752	1/4	50,772	1/4	65,824	1/4	80,877	1/4	95,930	1/4	110,983	1/4	126,029	1/4	141,074
1/2	5,962	1/2	21,015	1/2	36,066	1/2	51,085	1/2	66,137	1/2	81,190	1/2	96,244	1/2	111,297	1/2	126,342	1/2	141,388
3/4	6,276	3/4	21,329	3/4	36,380	3/4	51,398	3/4	66,451	3/4	81,504	3/4	96,557	3/4	111,610	3/4	126,656	3/4	141,701
5	6,589	5	21,642	5	36,693	5	51,711	5	66,764	5	81,818	5	96,871	5	111,923	5	126,969	5	142,015
1/4	6,903	1/4	21,956	1/4	37,007	1/4	52,025	1/4	67,078	1/4	82,131	1/4	97,185	1/4	112,237	1/4	127,283	1/4	142,328
1/2	7,216	1/2	22,270	1/2	37,320	1/2	52,338	1/2	67,392	1/2	82,445	1/2	97,498	1/2	112,550	1/2	127,596	1/2	142,642
3/4	7,530	3/4	22,583	3/4	37,634	3/4	52,652	3/4	67,705	3/4	82,759	3/4	97,812	3/4	112,864	3/4	127,909	3/4	142,955
6	7,844	6	22,897	6	37,948	6	52,966	6	68,019	6	83,072	6	98,125	6	113,177	6	128,223	6	143,269
1/4	8,157	1/4	23,210	1/4	38,261	1/4	53,279	1/4	68,332	1/4	83,386	1/4	98,439	1/4	113,491	1/4	128,536	1/4	143,582
1/2	8,471	1/2	23,524	1/2	38,574	1/2	53,593	1/2	68,646	1/2	83,699	1/2	98,753	1/2	113,804	1/2	128,850	1/2	143,896
3/4	8,784	3/4	23,838	3/4	38,888	3/4	53,906	3/4	68,960	3/4	84,013	3/4	99,066	3/4	114,118	3/4	129,163	3/4	144,209
7	9,098	7	24,151	7	39,201	7	54,220	7	69,273	7	84,327	7	99,380	7	114,431	7	129,477	7	144,522
1/4	9,412	1/4	24,465	1/4	39,514	1/4	54,534	1/4	69,587	1/4	84,640	1/4	99,693	1/4	114,744	1/4	129,790	1/4	144,836
1/2	9,725	1/2	24,778	1/2	39,827	1/2	54,847	1/2	69,901	1/2	84,954	1/2	100,007	1/2	115,058	1/2	130,104	1/2	145,149
3/4	10,039	3/4	25,092	3/4	40,139	3/4	55,161	3/4	70,214	3/4	85,267	3/4	100,321	3/4	115,371	3/4	130,417	3/4	145,463
8	10,352	8	25,406	8	40,452	8	55,474	8	70,528	8	85,581	8	100,634	8	115,685	8	130,731	8	145,776
1/4	10,666	1/4	25,719	1/4	40,765	1/4	55,788	1/4	70,841	1/4	85,895	1/4	100,948	1/4	115,998	1/4	131,044	1/4	146,090
1/2	10,980	1/2	26,033	1/2	41,077	1/2	56,102	1/2	71,155	1/2	86,208	1/2	101,261	1/2	116,312	1/2	131,357	1/2	146,403
3/4	11,293	3/4	26,346	3/4	41,390	3/4	56,415	3/4	71,469	3/4	86,522	3/4	101,575	3/4	116,625	3/4	131,671	3/4	146,717
9	11,607	9	26,660	9	41,703	9	56,729	9	71,782	9	86,835	9	101,889	9	116,939	9	131,984	9	147,030
1/4	11,920	1/4	26,973	1/4	42,015	1/4	57,043	1/4	72,096	1/4	87,149	1/4	102,202	1/4	117,252	1/4	132,298	1/4	147,344
1/2	12,234	1/2	27,287	1/2	42,328	1/2	57,356	1/2	72,409	1/2	87,463	1/2	102,516	1/2	117,566	1/2	132,611	1/2	147,657
3/4	12,548	3/4	27,600	3/4	42,641	3/4	57,670	3/4	72,723	3/4	87,776	3/4	102,830	3/4	117,879	3/4	132,925	3/4	147,970
10	12,861	10	27,914	10	42,953	10	57,983	10	73,037	10	88,090	10	103,143	10	118,192	10	133,238	10	148,284
1/4	13,175	1/4	28,227	1/4	43,266	1/4	58,297	1/4	73,350	1/4	88,403	1/4	103,457	1/4	118,506	1/4	133,552	1/4	148,597
1/2	13,489	1/2	28,540	1/2	43,579	1/2	58,611	1/2	73,664	1/2	88,717	1/2	103,770	1/2	118,819	1/2	133,865	1/2	148,911
3/4	13,802	3/4	28,854	3/4	43,891	3/4	58,924	3/4	73,977	3/4	89,031	3/4	104,084	3/4	119,133	3/4	134,179	3/4	149,224
11	14,116	11	29,167	11	44,204	11	59,238	11	74,291	11	89,344	11	104,398	11	119,446	11	134,492	11	149,538
1/4	14,429	1/4	29,481	1/4	44,517	1/4	59,551	1/4	74,605	1/4	89,658	1/4	104,711	1/4	119,760	1/4	134,805	1/4	149,851
1/2	14,743	1/2	29,794	1/2	44,829	1/2	59,865	1/2	74,918	1/2	89,972	1/2	105,025	1/2	120,073	1/2	135,119	1/2	150,165
3/4	15,057	3/4	30,108	3/4	45,142	3/4	60,179	3/4	75,232	3/4	90,285	3/4	105,338	3/4	120,387	3/4	135,432	3/4	150,478

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 LIP OF 2" 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 4104"

2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,791	0	165,837	0	180,873	0	195,868	0	210,784	0		0		0		0		0	
1/4	151,105	1/4	166,151	1/4	181,186	1/4	196,180	1/4	211,086	1/4		1/4		1/4		1/4		1/4	
1/2	151,418	1/2	166,464	1/2	181,498	1/2	196,493	1/2	211,388	1/2		1/2		1/2		1/2		1/2	
3/4	151,732	3/4	166,778	3/4	181,810	3/4	196,805	3/4	211,690	3/4		3/4		3/4		3/4		3/4	
1	152,045	1	167,091	1	182,123	1	197,117	1	211,991	1		1		1		1		1	
1/4	152,359	1/4	167,404	1/4	182,435	1/4	197,430	1/4	212,262	1/4		1/4		1/4		1/4		1/4	
1/2	152,672	1/2	167,718	1/2	182,748	1/2	197,742	1/2	212,532	1/2		1/2		1/2		1/2		1/2	
3/4	152,986	3/4	168,031	3/4	183,060	3/4	198,055	3/4	212,802	3/4		3/4		3/4		3/4		3/4	
2	153,299	2	168,345	2	183,372	2	198,367	2	213,072	2		2		2		2		2	
1/4	153,613	1/4	168,658	1/4	183,685	1/4	198,679	1/4	213,290	1/4		1/4		1/4		1/4		1/4	
1/2	153,926	1/2	168,972	1/2	183,997	1/2	198,992	1/2	213,508	1/2		1/2		1/2		1/2		1/2	
3/4	154,239	3/4	169,285	3/4	184,310	3/4	199,304	3/4	213,726	3/4		3/4		3/4		3/4		3/4	
3	154,553	3	169,599	3	184,622	3	199,617	3	213,944	3		3		3		3		3	
1/4	154,866	1/4	169,912	1/4	184,934	1/4	199,929	1/4	214,110	1/4		1/4		1/4		1/4		1/4	
1/2	155,180	1/2	170,226	1/2	185,247	1/2	200,241	1/2	214,275	1/2		1/2		1/2		1/2		1/2	
3/4	155,493	3/4	170,539	3/4	185,559	3/4	200,554	3/4	214,441	3/4		3/4		3/4		3/4		3/4	
4	155,807	4	170,852	4	185,872	4	200,866	4	214,607	4		4		4		4		4	
1/4	156,120	1/4	171,166	1/4	186,184	1/4	201,178	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,434	1/2	171,479	1/2	186,496	1/2	201,491	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,747	3/4	171,793	3/4	186,809	3/4	201,803	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,061	5	172,106	5	187,121	5	202,116	5		5		5		5		5		5	
1/4	157,374	1/4	172,420	1/4	187,433	1/4	202,427	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,687	1/2	172,733	1/2	187,746	1/2	202,739	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,001	3/4	173,047	3/4	188,058	3/4	203,050	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,314	6	173,360	6	188,371	6	203,362	6		6		6		6		6		6	
1/4	158,628	1/4	173,674	1/4	188,683	1/4	203,671	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,941	1/2	173,987	1/2	188,995	1/2	203,981	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,255	3/4	174,300	3/4	189,308	3/4	204,290	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,568	7	174,614	7	189,620	7	204,599	7		7		7		7		7		7	
1/4	159,882	1/4	174,927	1/4	189,933	1/4	204,909	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,195	1/2	175,241	1/2	190,245	1/2	205,218	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,509	3/4	175,554	3/4	190,557	3/4	205,527	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,822	8	175,868	8	190,870	8	205,837	8		8		8		8		8		8	
1/4	161,135	1/4	176,181	1/4	191,182	1/4	206,146	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,449	1/2	176,495	1/2	191,494	1/2	206,455	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,762	3/4	176,808	3/4	191,807	3/4	206,765	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,076	9	177,121	9	192,119	9	207,074	9		9		9		9		9		9	
1/4	162,389	1/4	177,435	1/4	192,432	1/4	207,384	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,703	1/2	177,748	1/2	192,744	1/2	207,693	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,016	3/4	178,061	3/4	193,056	3/4	208,003	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,330	10	178,374	10	193,369	10	208,312	10		10		10		10		10		10	
1/4	163,643	1/4	178,687	1/4	193,681	1/4	208,621	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,956	1/2	178,999	1/2	193,994	1/2	208,931	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,270	3/4	179,311	3/4	194,306	3/4	209,240	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,583	11	179,624	11	194,618	11	209,549	11		11		11		11		11		11	
1/4	164,897	1/4	179,936	1/4	194,931	1/4	209,858	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,210	1/2	180,249	1/2	195,243	1/2	210,167	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,524	3/4	180,561	3/4	195,556	3/4	210,476	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	833	0	15,322	0	30,312	0	45,083	0	59,631	0	74,543	0	89,509	0	104,487	0	119,457	0	134,423
1/4	1,048	1/4	15,634	1/4	30,624	1/4	45,385	1/4	59,943	1/4	74,853	1/4	89,821	1/4	104,800	1/4	119,769	1/4	134,734
1/2	1,263	1/2	15,947	1/2	30,936	1/2	45,687	1/2	60,255	1/2	75,164	1/2	90,133	1/2	105,112	1/2	120,081	1/2	135,046
3/4	1,478	3/4	16,259	3/4	31,249	3/4	45,988	3/4	60,566	3/4	75,474	3/4	90,444	3/4	105,424	3/4	120,392	3/4	135,358
1	1,693	1	16,571	1	31,561	1	46,290	1	60,878	1	75,784	1	90,756	1	105,736	1	120,704	1	135,670
1/4	1,976	1/4	16,884	1/4	31,873	1/4	46,592	1/4	61,190	1/4	76,095	1/4	91,068	1/4	106,048	1/4	121,016	1/4	135,980
1/2	2,259	1/2	17,196	1/2	32,186	1/2	46,894	1/2	61,502	1/2	76,405	1/2	91,380	1/2	106,361	1/2	121,328	1/2	136,290
3/4	2,542	3/4	17,508	3/4	32,498	3/4	47,196	3/4	61,814	3/4	76,715	3/4	91,692	3/4	106,673	3/4	121,639	3/4	136,601
2	2,825	2	17,821	2	32,810	2	47,497	2	62,126	2	77,026	2	92,004	2	106,985	2	121,951	2	136,911
1/4	3,137	1/4	18,133	1/4	33,123	1/4	47,800	1/4	62,438	1/4	77,336	1/4	92,316	1/4	107,297	1/4	122,263	1/4	137,217
1/2	3,448	1/2	18,445	1/2	33,435	1/2	48,102	1/2	62,749	1/2	77,647	1/2	92,628	1/2	107,609	1/2	122,575	1/2	137,522
3/4	3,760	3/4	18,758	3/4	33,747	3/4	48,405	3/4	63,061	3/4	77,958	3/4	92,940	3/4	107,920	3/4	122,887	3/4	137,828
3	4,071	3	19,070	3	34,060	3	48,707	3	63,372	3	78,269	3	93,252	3	108,232	3	123,198	3	138,134
1/4	4,384	1/4	19,382	1/4	34,372	1/4	49,010	1/4	63,683	1/4	78,581	1/4	93,564	1/4	108,544	1/4	123,510	1/4	138,440
1/2	4,696	1/2	19,695	1/2	34,684	1/2	49,312	1/2	63,993	1/2	78,893	1/2	93,876	1/2	108,856	1/2	123,822	1/2	138,746
3/4	5,009	3/4	20,007	3/4	34,996	3/4	49,615	3/4	64,303	3/4	79,206	3/4	94,188	3/4	109,168	3/4	124,134	3/4	139,051
4	5,321	4	20,319	4	35,308	4	49,917	4	64,614	4	79,518	4	94,500	4	109,480	4	124,445	4	139,357
1/4	5,634	1/4	20,632	1/4	35,618	1/4	50,219	1/4	64,924	1/4	79,830	1/4	94,812	1/4	109,792	1/4	124,757	1/4	139,663
1/2	5,946	1/2	20,944	1/2	35,927	1/2	50,522	1/2	65,234	1/2	80,142	1/2	95,124	1/2	110,103	1/2	125,069	1/2	139,969
3/4	6,259	3/4	21,256	3/4	36,237	3/4	50,824	3/4	65,545	3/4	80,455	3/4	95,436	3/4	110,415	3/4	125,381	3/4	140,275
5	6,571	5	21,568	5	36,547	5	51,127	5	65,855	5	80,767	5	95,748	5	110,727	5	125,693	5	140,580
1/4	6,884	1/4	21,881	1/4	36,852	1/4	51,429	1/4	66,165	1/4	81,079	1/4	96,060	1/4	111,039	1/4	126,004	1/4	140,886
1/2	7,196	1/2	22,193	1/2	37,157	1/2	51,732	1/2	66,475	1/2	81,391	1/2	96,372	1/2	111,351	1/2	126,316	1/2	141,192
3/4	7,509	3/4	22,505	3/4	37,462	3/4	52,034	3/4	66,786	3/4	81,704	3/4	96,683	3/4	111,662	3/4	126,628	3/4	141,498
6	7,821	6	22,818	6	37,767	6	52,337	6	67,096	6	82,016	6	96,995	6	111,974	6	126,940	6	141,804
1/4	8,134	1/4	23,130	1/4	38,072	1/4	52,639	1/4	67,406	1/4	82,328	1/4	97,307	1/4	112,286	1/4	127,252	1/4	142,109
1/2	8,447	1/2	23,442	1/2	38,377	1/2	52,942	1/2	67,717	1/2	82,640	1/2	97,619	1/2	112,598	1/2	127,563	1/2	142,415
3/4	8,759	3/4	23,755	3/4	38,682	3/4	53,244	3/4	68,027	3/4	82,953	3/4	97,931	3/4	112,909	3/4	127,875	3/4	142,720
7	9,072	7	24,067	7	38,987	7	53,546	7	68,337	7	83,265	7	98,243	7	113,221	7	128,187	7	143,026
1/4	9,385	1/4	24,379	1/4	39,292	1/4	53,849	1/4	68,647	1/4	83,577	1/4	98,556	1/4	113,533	1/4	128,499	1/4	143,331
1/2	9,698	1/2	24,692	1/2	39,597	1/2	54,151	1/2	68,958	1/2	83,889	1/2	98,868	1/2	113,845	1/2	128,810	1/2	143,636
3/4	10,010	3/4	25,004	3/4	39,902	3/4	54,454	3/4	69,268	3/4	84,202	3/4	99,180	3/4	114,157	3/4	129,122	3/4	143,940
8	10,323	8	25,316	8	40,207	8	54,756	8	69,578	8	84,514	8	99,492	8	114,468	8	129,434	8	144,245
1/4	10,636	1/4	25,629	1/4	40,512	1/4	55,059	1/4	69,889	1/4	84,826	1/4	99,804	1/4	114,780	1/4	129,746	1/4	144,550
1/2	10,949	1/2	25,941	1/2	40,817	1/2	55,361	1/2	70,199	1/2	85,139	1/2	100,117	1/2	115,092	1/2	130,058	1/2	144,855
3/4	11,261	3/4	26,253	3/4	41,122	3/4	55,664	3/4	70,509	3/4	85,451	3/4	100,429	3/4	115,404	3/4	130,369	3/4	145,160
9	11,574	9	26,566	9	41,427	9	55,966	9	70,820	9	85,763	9	100,741	9	115,716	9	130,681	9	145,465
1/4	11,886	1/4	26,878	1/4	41,732	1/4	56,269	1/4	71,130	1/4	86,075	1/4	101,053	1/4	116,027	1/4	130,993	1/4	145,752
1/2	12,199	1/2	27,190	1/2	42,037	1/2	56,573	1/2	71,440	1/2	86,388	1/2	101,365	1/2	116,339	1/2	131,305	1/2	146,038
3/4	12,511	3/4	27,502	3/4	42,342	3/4	56,876	3/4	71,750	3/4	86,700	3/4	101,678	3/4	116,651	3/4	131,617	3/4	146,325
10	12,823	10	27,814	10	42,647	10	57,179	10	72,061	10	87,012	10	101,990	10	116,963	10	131,928	10	146,612
1/4	13,136	1/4	28,126	1/4	42,952	1/4	57,485	1/4	72,371	1/4	87,324	1/4	102,302	1/4	117,274	1/4	132,240	1/4	146,845
1/2	13,448	1/2	28,439	1/2	43,257	1/2	57,790	1/2	72,681	1/2	87,636	1/2	102,614	1/2	117,586	1/2	132,552	1/2	147,078
3/4	13,760	3/4	28,751	3/4	43,562	3/4	58,096	3/4	72,992	3/4	87,949	3/4	102,926	3/4	117,898	3/4	132,864	3/4	147,311
11	14,073	11	29,063	11	43,867	11	58,402	11	73,302	11	88,261	11	103,239	11	118,210	11	133,175	11	147,544
1/4	14,385	1/4	29,375	1/4	44,171	1/4	58,709	1/4	73,612	1/4	88,573	1/4	103,551	1/4	118,522	1/4	133,487	1/4	147,777
1/2	14,697	1/2	29,687	1/2	44,475	1/2	59,016	1/2	73,923	1/2	88,885	1/2	103,863	1/2	118,833	1/2	133,799	1/2	148,010
3/4	15,010	3/4	29,999	3/4	44,779	3/4	59,323	3/4	74,233	3/4	89,197	3/4	104,175	3/4	119,145	3/4	134,111	3/4	148,243

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 LIP OF 2" 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
<http://www.pmacorp.net>



BARGE "HSM 4104"

3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	148,476	0	159,705	0	170,930	0	182,125	0	193,419	0		0		0		0		0	
1/4	148,709	1/4	159,939	1/4	171,163	1/4	182,358	1/4	193,649	1/4		1/4		1/4		1/4		1/4	
1/2	148,942	1/2	160,173	1/2	171,396	1/2	182,591	1/2	193,879	1/2		1/2		1/2		1/2		1/2	
3/4	149,176	3/4	160,407	3/4	171,629	3/4	182,825	3/4	194,109	3/4		3/4		3/4		3/4		3/4	
1	149,409	1	160,641	1	171,863	1	183,058	1	194,339	1		1		1		1		1	
1/4	149,643	1/4	160,875	1/4	172,096	1/4	183,291	1/4	194,537	1/4		1/4		1/4		1/4		1/4	
1/2	149,877	1/2	161,109	1/2	172,329	1/2	183,524	1/2	194,736	1/2		1/2		1/2		1/2		1/2	
3/4	150,111	3/4	161,343	3/4	172,562	3/4	183,758	3/4	194,934	3/4		3/4		3/4		3/4		3/4	
2	150,345	2	161,577	2	172,796	2	183,991	2	195,133	2		2		2		2		2	
1/4	150,579	1/4	161,811	1/4	173,029	1/4	184,224	1/4	195,279	1/4		1/4		1/4		1/4		1/4	
1/2	150,813	1/2	162,045	1/2	173,262	1/2	184,457	1/2	195,426	1/2		1/2		1/2		1/2		1/2	
3/4	151,047	3/4	162,279	3/4	173,495	3/4	184,691	3/4	195,572	3/4		3/4		3/4		3/4		3/4	
3	151,281	3	162,513	3	173,728	3	184,924	3	195,719	3		3		3		3		3	
1/4	151,515	1/4	162,747	1/4	173,962	1/4	185,157	1/4	195,813	1/4		1/4		1/4		1/4		1/4	
1/2	151,749	1/2	162,981	1/2	174,195	1/2	185,390	1/2	195,907	1/2		1/2		1/2		1/2		1/2	
3/4	151,983	3/4	163,215	3/4	174,428	3/4	185,623	3/4	196,001	3/4		3/4		3/4		3/4		3/4	
4	152,217	4	163,449	4	174,661	4	185,857	4	196,096	4		4		4		4		4	
1/4	152,451	1/4	163,683	1/4	174,895	1/4	186,090	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,685	1/2	163,917	1/2	175,128	1/2	186,323	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,919	3/4	164,151	3/4	175,361	3/4	186,556	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,153	5	164,385	5	175,594	5	186,790	5		5		5		5		5		5	
1/4	153,387	1/4	164,619	1/4	175,828	1/4	187,023	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,621	1/2	164,853	1/2	176,061	1/2	187,256	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,855	3/4	165,087	3/4	176,294	3/4	187,489	3/4		3/4		3/4		3/4		3/4		3/4	
6	154,089	6	165,321	6	176,527	6	187,723	6		6		6		6		6		6	
1/4	154,323	1/4	165,555	1/4	176,761	1/4	187,956	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,557	1/2	165,789	1/2	176,994	1/2	188,189	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,791	3/4	166,023	3/4	177,227	3/4	188,422	3/4		3/4		3/4		3/4		3/4		3/4	
7	155,025	7	166,257	7	177,460	7	188,656	7		7		7		7		7		7	
1/4	155,259	1/4	166,491	1/4	177,693	1/4	188,890	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,493	1/2	166,725	1/2	177,927	1/2	189,125	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,727	3/4	166,959	3/4	178,160	3/4	189,360	3/4		3/4		3/4		3/4		3/4		3/4	
8	155,961	8	167,193	8	178,393	8	189,595	8		8		8		8		8		8	
1/4	156,195	1/4	167,427	1/4	178,626	1/4	189,834	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,429	1/2	167,661	1/2	178,860	1/2	190,073	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,663	3/4	167,895	3/4	179,093	3/4	190,313	3/4		3/4		3/4		3/4		3/4		3/4	
9	156,897	9	168,129	9	179,326	9	190,552	9		9		9		9		9		9	
1/4	157,131	1/4	168,362	1/4	179,559	1/4	190,791	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,365	1/2	168,596	1/2	179,793	1/2	191,031	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,599	3/4	168,830	3/4	180,026	3/4	191,270	3/4		3/4		3/4		3/4		3/4		3/4	
10	157,833	10	169,064	10	180,259	10	191,509	10		10		10		10		10		10	
1/4	158,067	1/4	169,297	1/4	180,492	1/4	191,748	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,301	1/2	169,530	1/2	180,726	1/2	191,988	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,535	3/4	169,763	3/4	180,959	3/4	192,227	3/4		3/4		3/4		3/4		3/4		3/4	
11	158,769	11	169,997	11	181,192	11	192,466	11		11		11		11		11		11	
1/4	159,003	1/4	170,230	1/4	181,425	1/4	192,704	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,237	1/2	170,463	1/2	181,658	1/2	192,942	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,471	3/4	170,696	3/4	181,892	3/4	193,181	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

3 STBD

INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 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	834	0	15,355	0	30,394	0	45,416	0	60,454	0	75,493	0	90,532	0	105,571	0	120,593	0	135,612
1/4	1,049	1/4	15,668	1/4	30,707	1/4	45,729	1/4	60,767	1/4	75,806	1/4	90,845	1/4	105,884	1/4	120,906	1/4	135,925
1/2	1,265	1/2	15,982	1/2	31,020	1/2	46,043	1/2	61,080	1/2	76,119	1/2	91,158	1/2	106,197	1/2	121,219	1/2	136,238
3/4	1,480	3/4	16,295	3/4	31,334	3/4	46,356	3/4	61,394	3/4	76,433	3/4	91,472	3/4	106,511	3/4	121,532	3/4	136,551
1	1,696	1	16,608	1	31,647	1	46,669	1	61,707	1	76,746	1	91,785	1	106,824	1	121,845	1	136,864
1/4	1,979	1/4	16,922	1/4	31,960	1/4	46,982	1/4	62,020	1/4	77,059	1/4	92,098	1/4	107,137	1/4	122,158	1/4	137,175
1/2	2,263	1/2	17,235	1/2	32,274	1/2	47,295	1/2	62,333	1/2	77,372	1/2	92,411	1/2	107,450	1/2	122,471	1/2	137,487
3/4	2,546	3/4	17,548	3/4	32,587	3/4	47,608	3/4	62,647	3/4	77,686	3/4	92,725	3/4	107,764	3/4	122,784	3/4	137,798
2	2,830	2	17,862	2	32,900	2	47,921	2	62,960	2	77,999	2	93,038	2	108,077	2	123,097	2	138,110
1/4	3,142	1/4	18,175	1/4	33,213	1/4	48,234	1/4	63,273	1/4	78,312	1/4	93,351	1/4	108,390	1/4	123,409	1/4	138,416
1/2	3,454	1/2	18,488	1/2	33,527	1/2	48,548	1/2	63,587	1/2	78,626	1/2	93,665	1/2	108,703	1/2	123,722	1/2	138,723
3/4	3,766	3/4	18,802	3/4	33,840	3/4	48,861	3/4	63,900	3/4	78,939	3/4	93,978	3/4	109,016	3/4	124,035	3/4	139,030
3	4,078	3	19,115	3	34,153	3	49,174	3	64,213	3	79,252	3	94,291	3	109,329	3	124,348	3	139,337
1/4	4,391	1/4	19,428	1/4	34,467	1/4	49,488	1/4	64,527	1/4	79,566	1/4	94,605	1/4	109,642	1/4	124,661	1/4	139,644
1/2	4,704	1/2	19,741	1/2	34,780	1/2	49,801	1/2	64,840	1/2	79,879	1/2	94,918	1/2	109,955	1/2	124,974	1/2	139,951
3/4	5,017	3/4	20,055	3/4	35,093	3/4	50,114	3/4	65,153	3/4	80,192	3/4	95,231	3/4	110,268	3/4	125,287	3/4	140,258
4	5,330	4	20,368	4	35,406	4	50,428	4	65,467	4	80,506	4	95,545	4	110,581	4	125,600	4	140,565
1/4	5,643	1/4	20,681	1/4	35,719	1/4	50,741	1/4	65,780	1/4	80,819	1/4	95,858	1/4	110,894	1/4	125,913	1/4	140,872
1/2	5,956	1/2	20,995	1/2	36,032	1/2	51,054	1/2	66,093	1/2	81,132	1/2	96,171	1/2	111,207	1/2	126,226	1/2	141,179
3/4	6,269	3/4	21,308	3/4	36,345	3/4	51,368	3/4	66,407	3/4	81,446	3/4	96,485	3/4	111,519	3/4	126,538	3/4	141,485
5	6,583	5	21,621	5	36,657	5	51,681	5	66,720	5	81,759	5	96,798	5	111,832	5	126,851	5	141,792
1/4	6,896	1/4	21,935	1/4	36,970	1/4	51,994	1/4	67,033	1/4	82,072	1/4	97,111	1/4	112,145	1/4	127,164	1/4	142,099
1/2	7,209	1/2	22,248	1/2	37,283	1/2	52,307	1/2	67,346	1/2	82,385	1/2	97,425	1/2	112,458	1/2	127,477	1/2	142,406
3/4	7,523	3/4	22,561	3/4	37,596	3/4	52,621	3/4	67,660	3/4	82,699	3/4	97,738	3/4	112,771	3/4	127,790	3/4	142,713
6	7,836	6	22,874	6	37,909	6	52,934	6	67,973	6	83,012	6	98,051	6	113,084	6	128,103	6	143,020
1/4	8,149	1/4	23,188	1/4	38,221	1/4	53,247	1/4	68,286	1/4	83,325	1/4	98,364	1/4	113,397	1/4	128,416	1/4	143,327
1/2	8,463	1/2	23,501	1/2	38,534	1/2	53,561	1/2	68,600	1/2	83,639	1/2	98,678	1/2	113,710	1/2	128,729	1/2	143,633
3/4	8,776	3/4	23,814	3/4	38,847	3/4	53,874	3/4	68,913	3/4	83,952	3/4	98,991	3/4	114,023	3/4	129,042	3/4	143,940
7	9,089	7	24,128	7	39,160	7	54,187	7	69,226	7	84,265	7	99,304	7	114,336	7	129,354	7	144,247
1/4	9,402	1/4	24,441	1/4	39,473	1/4	54,501	1/4	69,540	1/4	84,579	1/4	99,618	1/4	114,648	1/4	129,667	1/4	144,553
1/2	9,716	1/2	24,754	1/2	39,786	1/2	54,814	1/2	69,853	1/2	84,892	1/2	99,931	1/2	114,961	1/2	129,980	1/2	144,859
3/4	10,029	3/4	25,068	3/4	40,098	3/4	55,127	3/4	70,166	3/4	85,205	3/4	100,244	3/4	115,274	3/4	130,293	3/4	145,164
8	10,342	8	25,381	8	40,411	8	55,441	8	70,480	8	85,519	8	100,558	8	115,587	8	130,606	8	145,470
1/4	10,656	1/4	25,694	1/4	40,724	1/4	55,754	1/4	70,793	1/4	85,832	1/4	100,871	1/4	115,900	1/4	130,919	1/4	145,776
1/2	10,969	1/2	26,007	1/2	41,037	1/2	56,067	1/2	71,106	1/2	86,145	1/2	101,184	1/2	116,213	1/2	131,232	1/2	146,082
3/4	11,282	3/4	26,321	3/4	41,350	3/4	56,381	3/4	71,420	3/4	86,459	3/4	101,498	3/4	116,526	3/4	131,545	3/4	146,388
9	11,596	9	26,634	9	41,662	9	56,694	9	71,733	9	86,772	9	101,811	9	116,839	9	131,858	9	146,694
1/4	11,909	1/4	26,947	1/4	41,975	1/4	57,007	1/4	72,046	1/4	87,085	1/4	102,124	1/4	117,152	1/4	132,171	1/4	146,982
1/2	12,222	1/2	27,261	1/2	42,288	1/2	57,320	1/2	72,359	1/2	87,398	1/2	102,438	1/2	117,464	1/2	132,483	1/2	147,270
3/4	12,535	3/4	27,574	3/4	42,601	3/4	57,634	3/4	72,673	3/4	87,712	3/4	102,751	3/4	117,777	3/4	132,796	3/4	147,558
10	12,849	10	27,887	10	42,914	10	57,947	10	72,986	10	88,025	10	103,064	10	118,090	10	133,109	10	147,845
1/4	13,162	1/4	28,201	1/4	43,227	1/4	58,260	1/4	73,299	1/4	88,338	1/4	103,377	1/4	118,403	1/4	133,422	1/4	148,079
1/2	13,475	1/2	28,514	1/2	43,539	1/2	58,574	1/2	73,613	1/2	88,652	1/2	103,691	1/2	118,716	1/2	133,735	1/2	148,312
3/4	13,789	3/4	28,827	3/4	43,852	3/4	58,887	3/4	73,926	3/4	88,965	3/4	104,004	3/4	119,029	3/4	134,048	3/4	148,546
11	14,102	11	29,141	11	44,165	11	59,200	11	74,239	11	89,278	11	104,317	11	119,342	11	134,361	11	148,779
1/4	14,415	1/4	29,454	1/4	44,478	1/4	59,514	1/4	74,553	1/4	89,592	1/4	104,631	1/4	119,655	1/4	134,674	1/4	149,012
1/2	14,729	1/2	29,767	1/2	44,791	1/2	59,827	1/2	74,866	1/2	89,905	1/2	104,944	1/2	119,968	1/2	134,987	1/2	149,246
3/4	15,042	3/4	30,080	3/4	45,104	3/4	60,140	3/4	75,179	3/4	90,218	3/4	105,257	3/4	120,281	3/4	135,299	3/4	149,479

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 LIP OF 2" 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
<http://www.pmacorp.net>



BARGE "HSM 4104"

3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11 3/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,713	0	160,958	0	172,200	0	183,412	0	194,723	0		0		0		0		0	
1/4	149,946	1/4	161,193	1/4	172,434	1/4	183,646	1/4	194,953	1/4		1/4		1/4		1/4		1/4	
1/2	150,180	1/2	161,427	1/2	172,667	1/2	183,879	1/2	195,184	1/2		1/2		1/2		1/2		1/2	
3/4	150,413	3/4	161,661	3/4	172,901	3/4	184,113	3/4	195,414	3/4		3/4		3/4		3/4		3/4	
1	150,647	1	161,896	1	173,134	1	184,346	1	195,644	1		1		1		1		1	
1/4	150,881	1/4	162,130	1/4	173,368	1/4	184,580	1/4	195,843	1/4		1/4		1/4		1/4		1/4	
1/2	151,116	1/2	162,364	1/2	173,601	1/2	184,813	1/2	196,042	1/2		1/2		1/2		1/2		1/2	
3/4	151,350	3/4	162,599	3/4	173,835	3/4	185,047	3/4	196,241	3/4		3/4		3/4		3/4		3/4	
2	151,584	2	162,833	2	174,069	2	185,281	2	196,439	2		2		2		2		2	
1/4	151,819	1/4	163,067	1/4	174,302	1/4	185,514	1/4	196,586	1/4		1/4		1/4		1/4		1/4	
1/2	152,053	1/2	163,302	1/2	174,536	1/2	185,748	1/2	196,733	1/2		1/2		1/2		1/2		1/2	
3/4	152,287	3/4	163,536	3/4	174,769	3/4	185,981	3/4	196,879	3/4		3/4		3/4		3/4		3/4	
3	152,522	3	163,770	3	175,003	3	186,215	3	197,026	3		3		3		3		3	
1/4	152,756	1/4	164,005	1/4	175,237	1/4	186,449	1/4	197,120	1/4		1/4		1/4		1/4		1/4	
1/2	152,990	1/2	164,239	1/2	175,470	1/2	186,682	1/2	197,215	1/2		1/2		1/2		1/2		1/2	
3/4	153,225	3/4	164,473	3/4	175,704	3/4	186,916	3/4	197,309	3/4		3/4		3/4		3/4		3/4	
4	153,459	4	164,708	4	175,937	4	187,149	4	197,404	4		4		4		4		4	
1/4	153,694	1/4	164,942	1/4	176,171	1/4	187,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,928	1/2	165,176	1/2	176,404	1/2	187,616	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,162	3/4	165,411	3/4	176,638	3/4	187,850	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,397	5	165,645	5	176,872	5	188,084	5		5		5		5		5		5	
1/4	154,631	1/4	165,879	1/4	177,105	1/4	188,317	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,865	1/2	166,114	1/2	177,339	1/2	188,551	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,100	3/4	166,348	3/4	177,572	3/4	188,784	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,334	6	166,583	6	177,806	6	189,018	6		6		6		6		6		6	
1/4	155,568	1/4	166,817	1/4	178,040	1/4	189,252	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,803	1/2	167,051	1/2	178,273	1/2	189,485	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,037	3/4	167,286	3/4	178,507	3/4	189,719	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,271	7	167,520	7	178,740	7	189,952	7		7		7		7		7		7	
1/4	156,506	1/4	167,754	1/4	178,974	1/4	190,187	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,740	1/2	167,989	1/2	179,207	1/2	190,423	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,974	3/4	168,223	3/4	179,441	3/4	190,658	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,209	8	168,457	8	179,675	8	190,893	8		8		8		8		8		8	
1/4	157,443	1/4	168,692	1/4	179,908	1/4	191,132	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,677	1/2	168,926	1/2	180,142	1/2	191,372	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,912	3/4	169,160	3/4	180,375	3/4	191,612	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,146	9	169,395	9	180,609	9	191,852	9		9		9		9		9		9	
1/4	158,380	1/4	169,629	1/4	180,843	1/4	192,091	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,615	1/2	169,863	1/2	181,076	1/2	192,331	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,849	3/4	170,097	3/4	181,310	3/4	192,571	3/4		3/4		3/4		3/4		3/4		3/4	
10	159,083	10	170,331	10	181,543	10	192,810	10		10		10		10		10		10	
1/4	159,318	1/4	170,565	1/4	181,777	1/4	193,050	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,552	1/2	170,798	1/2	182,010	1/2	193,289	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,787	3/4	171,032	3/4	182,244	3/4	193,529	3/4		3/4		3/4		3/4		3/4		3/4	
11	160,021	11	171,266	11	182,478	11	193,768	11		11		11		11		11		11	
1/4	160,255	1/4	171,499	1/4	182,711	1/4	194,007	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,490	1/2	171,733	1/2	182,945	1/2	194,246	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,724	3/4	171,966	3/4	183,178	3/4	194,484	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-00"

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	84	0	212	0	327	0		0		0		0		0		0	
1/4	1	1/4	87	1/4	214	1/4	329	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1	1/2	89	1/2	217	1/2	331	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	2	3/4	92	3/4	220	3/4	332	3/4		3/4		3/4		3/4		3/4		3/4	
1	2	1	94	1	222	1	334	1		1		1		1		1		1	
1/4	3	1/4	97	1/4	225	1/4	336	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	4	1/2	99	1/2	228	1/2	338	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	5	3/4	102	3/4	230	3/4	339	3/4		3/4		3/4		3/4		3/4		3/4	
2	6	2	105	2	233	2	341	2		2		2		2		2		2	
1/4	8	1/4	107	1/4	236	1/4	342	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	9	1/2	110	1/2	238	1/2	344	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	10	3/4	112	3/4	241	3/4	345	3/4		3/4		3/4		3/4		3/4		3/4	
3	11	3	115	3	243	3	347	3		3		3		3		3		3	
1/4	13	1/4	118	1/4	246	1/4	348	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	14	1/2	120	1/2	249	1/2	350	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	16	3/4	123	3/4	251	3/4	351	3/4		3/4		3/4		3/4		3/4		3/4	
4	17	4	125	4	254	4	352	4		4		4		4		4		4	
1/4	19	1/4	128	1/4	256	1/4	353	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	131	1/2	259	1/2	354	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	22	3/4	133	3/4	261	3/4	355	3/4		3/4		3/4		3/4		3/4		3/4	
5	24	5	136	5	264	5	356	5		5		5		5		5		5	
1/4	26	1/4	139	1/4	266	1/4	357	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	28	1/2	141	1/2	269	1/2	357	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	30	3/4	144	3/4	271	3/4	358	3/4		3/4		3/4		3/4		3/4		3/4	
6	31	6	147	6	274	6	358	6		6		6		6		6		6	
1/4	33	1/4	149	1/4	276	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	35	1/2	152	1/2	279	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	37	3/4	155	3/4	281	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
7	39	7	157	7	284	7		7		7		7		7		7		7	
1/4	41	1/4	160	1/4	286	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	43	1/2	163	1/2	288	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	45	3/4	166	3/4	291	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
8	48	8	168	8	293	8		8		8		8		8		8		8	
1/4	50	1/4	171	1/4	295	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	52	1/2	174	1/2	298	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	54	3/4	176	3/4	300	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
9	56	9	179	9	302	9		9		9		9		9		9		9	
1/4	59	1/4	182	1/4	304	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	61	1/2	185	1/2	306	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	63	3/4	187	3/4	309	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
10	65	10	190	10	311	10		10		10		10		10		10		10	
1/4	68	1/4	193	1/4	313	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	70	1/2	195	1/2	315	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	198	3/4	317	3/4		3/4		3/4		3/4		3/4		3/4		3/4	
11	75	11	201	11	319	11		11		11		11		11		11		11	
1/4	77	1/4	204	1/4	321	1/4		1/4		1/4		1/4		1/4		1/4		1/4	
1/2	80	1/2	206	1/2	323	1/2		1/2		1/2		1/2		1/2		1/2		1/2	
3/4	82	3/4	209	3/4	325	3/4		3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024



BARGE "HSM 4104"

PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01"

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	9	0	293	0	577	0	861	0	1,145	0		0		0		0		0	
1/4	15	1/4	299	1/4	583	1/4	867	1/4	1,150	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	305	1/2	589	1/2	872	1/2	1,156	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	311	3/4	594	3/4	878	3/4	1,162	3/4		3/4		3/4		3/4		3/4	
1	33	1	316	1	600	1	884	1	1,168	1		1		1		1		1	
1/4	38	1/4	322	1/4	606	1/4	890	1/4	1,174	1/4		1/4		1/4		1/4		1/4	
1/2	44	1/2	328	1/2	612	1/2	896	1/2	1,180	1/2		1/2		1/2		1/2		1/2	
3/4	50	3/4	334	3/4	618	3/4	902	3/4	1,186	3/4		3/4		3/4		3/4		3/4	
2	56	2	340	2	624	2	908	2	1,192	2		2		2		2		2	
1/4	62	1/4	346	1/4	630	1/4	914	1/4	1,198	1/4		1/4		1/4		1/4		1/4	
1/2	68	1/2	352	1/2	636	1/2	920	1/2	1,204	1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	358	3/4	642	3/4	926	3/4	1,210	3/4		3/4		3/4		3/4		3/4	
3	80	3	364	3	648	3	932	3	1,216	3		3		3		3		3	
1/4	86	1/4	370	1/4	654	1/4	938	1/4	1,221	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	376	1/2	660	1/2	943	1/2	1,227	1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	382	3/4	665	3/4	949	3/4	1,233	3/4		3/4		3/4		3/4		3/4	
4	104	4	387	4	671	4	955	4	1,239	4		4		4		4		4	
1/4	109	1/4	393	1/4	677	1/4	961	1/4	1,245	1/4		1/4		1/4		1/4		1/4	
1/2	115	1/2	399	1/2	683	1/2	967	1/2	1,251	1/2		1/2		1/2		1/2		1/2	
3/4	121	3/4	405	3/4	689	3/4	973	3/4	1,257	3/4		3/4		3/4		3/4		3/4	
5	127	5	411	5	695	5	979	5	1,263	5		5		5		5		5	
1/4	133	1/4	417	1/4	701	1/4	985	1/4	1,269	1/4		1/4		1/4		1/4		1/4	
1/2	139	1/2	423	1/2	707	1/2	991	3/8	1,272	1/2		1/2		1/2		1/2		1/2	
3/4	145	3/4	429	3/4	713	3/4	997	3/4	=====	3/4		3/4		3/4		3/4		3/4	
6	151	6	435	6	719	6	1,003	6	=====	6		6		6		6		6	
1/4	157	1/4	441	1/4	725	1/4	1,009	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	163	1/2	447	1/2	731	1/2	1,014	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	169	3/4	453	3/4	736	3/4	1,020	3/4	=====	3/4		3/4		3/4		3/4		3/4	
7	174	7	458	7	742	7	1,026	7	=====	7		7		7		7		7	
1/4	180	1/4	464	1/4	748	1/4	1,032	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	186	1/2	470	1/2	754	1/2	1,038	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	192	3/4	476	3/4	760	3/4	1,044	3/4	=====	3/4		3/4		3/4		3/4		3/4	
8	198	8	482	8	766	8	1,050	8	=====	8		8		8		8		8	
1/4	204	1/4	488	1/4	772	1/4	1,056	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	210	1/2	494	1/2	778	1/2	1,062	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	216	3/4	500	3/4	784	3/4	1,068	3/4	=====	3/4		3/4		3/4		3/4		3/4	
9	222	9	506	9	790	9	1,074	9	=====	9		9		9		9		9	
1/4	228	1/4	512	1/4	796	1/4	1,080	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	234	1/2	518	1/2	801	1/2	1,085	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	240	3/4	523	3/4	807	3/4	1,091	3/4	=====	3/4		3/4		3/4		3/4		3/4	
10	245	10	529	10	813	10	1,097	10	=====	10		10		10		10		10	
1/4	251	1/4	535	1/4	819	1/4	1,103	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	257	1/2	541	1/2	825	1/2	1,109	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	263	3/4	547	3/4	831	3/4	1,115	3/4	=====	3/4		3/4		3/4		3/4		3/4	
11	269	11	553	11	837	11	1,121	11	=====	11		11		11		11		11	
1/4	275	1/4	559	1/4	843	1/4	1,127	1/4	=====	1/4		1/4		1/4		1/4		1/4	
1/2	281	1/2	565	1/2	849	1/2	1,133	1/2	=====	1/2		1/2		1/2		1/2		1/2	
3/4	287	3/4	571	3/4	855	3/4	1,139	3/4	=====	3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/24/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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



BARGE "HSM 4104"

STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-00 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	9	0	295	0	580	0	866	0	1,152	0		0		0		0		0	
1/4	15	1/4	301	1/4	586	1/4	872	1/4	1,158	1/4		1/4		1/4		1/4		1/4	
1/2	21	1/2	307	1/2	592	1/2	878	1/2	1,164	1/2		1/2		1/2		1/2		1/2	
3/4	27	3/4	313	3/4	598	3/4	884	3/4	1,170	3/4		3/4		3/4		3/4		3/4	
1	33	1	318	1	604	1	890	1	1,176	1		1		1		1		1	
1/4	39	1/4	324	1/4	610	1/4	896	1/4	1,182	1/4		1/4		1/4		1/4		1/4	
1/2	45	1/2	330	1/2	616	1/2	902	1/2	1,188	1/2		1/2		1/2		1/2		1/2	
3/4	51	3/4	336	3/4	622	3/4	908	3/4	1,194	3/4		3/4		3/4		3/4		3/4	
2	57	2	342	2	628	2	914	2	1,199	2		2		2		2		2	
1/4	63	1/4	348	1/4	634	1/4	920	1/4	1,205	1/4		1/4		1/4		1/4		1/4	
1/2	68	1/2	354	1/2	640	1/2	926	1/2	1,211	1/2		1/2		1/2		1/2		1/2	
3/4	74	3/4	360	3/4	646	3/4	932	3/4	1,217	3/4		3/4		3/4		3/4		3/4	
3	80	3	366	3	652	3	938	3	1,223	3		3		3		3		3	
1/4	86	1/4	372	1/4	658	1/4	944	1/4	1,229	1/4		1/4		1/4		1/4		1/4	
1/2	92	1/2	378	1/2	664	1/2	949	1/2	1,235	1/2		1/2		1/2		1/2		1/2	
3/4	98	3/4	384	3/4	670	3/4	955	3/4	1,241	3/4		3/4		3/4		3/4		3/4	
4	104	4	390	4	676	4	961	4	1,247	4		4		4		4		4	
1/4	110	1/4	396	1/4	682	1/4	967	1/4	1,253	1/4		1/4		1/4		1/4		1/4	
1/2	116	1/2	402	1/2	688	1/2	973	1/2	1,259	1/2		1/2		1/2		1/2		1/2	
3/4	122	3/4	408	3/4	694	3/4	979	3/4	1,265	3/4		3/4		3/4		3/4		3/4	
5	128	5	414	5	699	5	985	5	1,271	5		5		5		5		5	
1/4	134	1/4	420	1/4	705	1/4	991	1/4	1,277	1/4		1/4		1/4		1/4		1/4	
1/2	140	1/2	426	1/2	711	1/2	997	1/2	1,280	1/2		1/2		1/2		1/2		1/2	
3/4	146	3/4	432	3/4	717	3/4	1,003	3/4		3/4		3/4		3/4		3/4		3/4	
6	152	6	438	6	723	6	1,009	6		6		6		6		6		6	
1/4	158	1/4	443	1/4	729	1/4	1,015	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164	1/2	449	1/2	735	1/2	1,021	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	170	3/4	455	3/4	741	3/4	1,027	3/4		3/4		3/4		3/4		3/4		3/4	
7	176	7	461	7	747	7	1,033	7		7		7		7		7		7	
1/4	182	1/4	467	1/4	753	1/4	1,039	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	188	1/2	473	1/2	759	1/2	1,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	193	3/4	479	3/4	765	3/4	1,051	3/4		3/4		3/4		3/4		3/4		3/4	
8	199	8	485	8	771	8	1,057	8		8		8		8		8		8	
1/4	205	1/4	491	1/4	777	1/4	1,063	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	211	1/2	497	1/2	783	1/2	1,069	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	217	3/4	503	3/4	789	3/4	1,074	3/4		3/4		3/4		3/4		3/4		3/4	
9	223	9	509	9	795	9	1,080	9		9		9		9		9		9	
1/4	229	1/4	515	1/4	801	1/4	1,086	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	235	1/2	521	1/2	807	1/2	1,092	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	241	3/4	527	3/4	813	3/4	1,098	3/4		3/4		3/4		3/4		3/4		3/4	
10	247	10	533	10	819	10	1,104	10		10		10		10		10		10	
1/4	253	1/4	539	1/4	824	1/4	1,110	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	259	1/2	545	1/2	830	1/2	1,116	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	265	3/4	551	3/4	836	3/4	1,122	3/4		3/4		3/4		3/4		3/4		3/4	
11	271	11	557	11	842	11	1,128	11		11		11		11		11		11	
1/4	277	1/4	563	1/4	848	1/4	1,134	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	283	1/2	568	1/2	854	1/2	1,140	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	289	3/4	574	3/4	860	3/4	1,146	3/4		3/4		3/4		3/4		3/4		3/4	

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 AT GAUGE POINT.

STRAPPED: 10/24/2024 CL
CALCULATED: 10/24/2024 CL
PRINTED: 10/25/2024 JS

PRECISION MEASUREMENT
& ANALYSIS, INC.

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2024

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