

ULLAGE TRIM TABLE

	1 FT.	2 FT.	3 FT.	4 FT.	5 FT.	6 FT.
	BOW STERN					
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	00-1/8 - 00-1/8	00-1/8 - 00-1/8	00-1/8 - 00-1/8	00-1/8 - 00-1/8
2 PORT	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-1/8 - 00-1/8
2 STBD	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-1/8 - 00-1/8	00-1/8 - 00-1/8
3 PORT	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8	00-0/8 - 00-0/8
3 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	00-0/8 - 00-0/8	00-0/8 - 00-0/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00" AFT DRAFT = <u>5'-00"</u>

DIFF. = $\overline{4'-00''}$ (DOWN BY STERN)

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

LENGTH BETWEEN DRAFT MARKS: 238'-06"

November 12, 2015

PRECISION MEASUREMENT & ANALYSIS, INC.

P.O. Box 2092 Pearland, Texas 77588

http://www.pmacorp.net

The fearmer



3 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

0 0 188,956 0 178,836 0 178,836 0 168,318 0 157,748 1 177,769 1 132,440 1 177,74 0 102,785 102 102 102 102 103,748 117,461 102,475 103 103,476	CAPACI	TIES GIVEN IN WHOLE GA	ALLONS														GAUGE HE	EIGH I	15'-09 3/4"
Max	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.
10	0	0		0	188,956	0	178,636	0	168,318	0	157,964	0	147,362	0	132,752	0	117,774	0	102,788
10	1/4	1/4		1/4	188.741	1/4	178.421	1/4	168,102	1/4	157.748	1/4	147.099	1/4	132,440	1/4	117.461	1/4	102.475
Section Sect								_	•										
1	3/4																		
14							•					-		-		1			
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34					,			_	,										
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944 948 185,300 94 174,982 94 164,5227 94 142,225 94 127,447 94 112,469 94 97,476 94 182 185,085 12 174,767 12 164,420 34 153,865 34 141,802 34 127,135 32 112,157 12 97,163 34 34 184,670 34 174,552 34 164,220 34 153,865 34 141,802 34 111,844 34 96,851 14 144 184,481 147,412 14 163,789 14 153,481 14 141,178 14 126,823 34 111,844 34 111,178 14 163,873 12 153,600 5 141,490 5 126,823 34 111,220 14 141,122 14 163,787 12 153,060 5 141,1478 14 141,178 14 141,148 125,787 14 140,242						-	•					-	•	-	•				•
12	4	4		4		4		4		4	•	4		4	· · · · · · · · · · · · · · · · · · ·	4	•	4	
24	1/4	1/4		1/4				1/4	•	1/4		1/4		1/4		1/4		1/4	
5 5 8 184,655 5 174,337 6 164,004 5 153,650 8 141,490 8 126,511 5 111,522 5 96,538 142 142 142 184,421 14 174,122 14 163,789 14 153,434 14 141,178 14 266,193 14 190,281 12 152,218 12 140,866 12 125,887 12 110,908 12 95,913 34 34 184,011 34 173,992 34 163,357 34 153,002 34 140,554 32 125,575 34 110,936 42 95,601 44 44 183,796 6 173,477 6 163,141 6 152,787 6 140,242 6 95,628 44 44 183,796 6 173,477 6 162,278 14 140,242 122,253 4 142,253 4 124,493 4<	1/2	1/2		1/2		1/2		1/2	,	1/2		1/2		1/2		1/2		1/2	
142	3/4	3/4		3/4	184,870	3/4	174,552	3/4	164,220	3/4	153,865	3/4	141,802	3/4	126,823	3/4	111,844	3/4	
12	5	5		5	184,655	5	174,337	5	164,004	5	153,650	5	141,490	5	126,511	5	111,532	5	96,538
34	1/4	1/4		1/4	184,441	1/4	174,122	1/4	163,789	1/4	153,434	1/4	141,178	1/4	126,199	1/4	111,220	1/4	96,226
6 6 8 6 183,796 6 173,477 6 163,141 6 152,787 6 140,242 6 125,263 6 110,284 6 95,288 1/4	1/2	1/2		1/2	184,226	1/2	173,907	1/2	163,573	1/2	153,218	1/2	140,866	1/2	125,887	1/2	110,908	1/2	95,913
14	3/4	3/4		3/4	184,011	3/4	173,692	3/4	163,357	3/4	153,002	3/4	140,554	3/4	125,575	3/4	110,596	3/4	95,601
12	6	6		6	183,796	6	173,477	6	163,141	6	152,787	6	140,242	6	125,263	6	110,284	6	95,288
34	1/4	1/4		1/4	183,581	1/4	173,262	1/4	162,926	1/4	152,571	1/4	139,929	1/4	124,951	1/4	109,972	1/4	94,976
7	1/2	1/2		1/2	183,366	1/2	173,047	1/2	162,710	1/2	152,355	1/2	139,617	1/2	124,639	1/2	109,660	1/2	94,663
7	3/4	3/4	192,778	3/4	183,151	3/4	172,832	3/4	162,494	3/4	152,139	3/4	139,305	3/4	124,327	3/4	109,348	3/4	94,351
172	7	7	192,655	7	182,936	7	172,617	7	162,279	7	151,924	7	138,993	7	124,015	7	109,036	7	94,039
172	1/4	1/4	192,531	1/4	182.721	1/4	172,402	1/4	162.063	1/4	151.708	1/4	138.681	1/4	123.703	1/4	108.723	1/4	93.726
3/4 192,284 3/4 182,291 3/4 171,973 3/4 161,631 3/4 151,277 3/4 138,057 3/4 123,078 3/4 108,099 3/4 93,101 8 8 192,125 8 182,076 8 171,758 8 161,416 8 151,061 8 137,745 8 122,766 8 107,787 8 92,789 1/4 191,965 1/4 181,861 1/4 171,543 1/4 161,200 1/4 150,845 1/4 137,433 1/4 122,454 1/4 107,474 1/2 92,476 1/2 191,806 1/2 181,646 1/2 171,328 1/2 160,984 1/2 150,629 1/2 137,121 1/2 122,142 1/2 107,662 1/2 92,476 3/4 191,646 3/4 181,431 3/4 170,113 3/4 160,768 3/4 150,414 3/4 136,809 3/4 <	1/2	· ·	- /						- ,				,						
8 192,125 8 182,076 8 171,758 8 161,416 8 151,061 8 137,745 8 122,766 8 107,787 8 92,789 1/4 1/4 191,965 1/4 181,861 1/4 171,543 1/4 161,200 1/4 150,845 1/4 137,433 1/4 122,454 1/4 107,474 1/4 92,476 1/2 191,806 1/2 181,646 1/2 171,328 1/2 160,984 1/2 150,629 1/2 137,121 1/2 122,142 1/2 107,162 1/2 92,164 3/4 191,646 3/4 181,431 3/4 170,898 9 160,753 9 150,414 3/4 136,809 3/4 121,830 3/4 106,850 3/4 91,851 9 191,453 9 181,216 9 170,683 1/4 160,337 1/4 149,975 1/4 136,899 121,518 9	3/4								,							3/4			
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11 11 189,815 11 179,496 11 169,178 11 158,827 11 148,366 11 134,000 11 119,022 11 104,038 11 89,039 1/4 1/4 189,600 1/4 179,281 1/4 168,963 1/4 158,611 1/4 148,119 1/4 133,688 1/4 118,710 1/4 103,725 1/4 88,726 1/2 189,385 1/2 179,066 1/2 168,748 1/2 158,395 1/2 147,872 1/2 133,376 1/2 118,398 1/2 103,413 1/2 88,414			,		- ,		,				- , -								,
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34 189,171 34 178,851 34 168,533 34 158,180 34 147,625 34 133,064 34 118,086 34 103,100 34 88,102	1/2		•						,										,
	3/4	3/4	189,171	3/4	178,851	3/4	168,533	3/4	158,180	3/4	147,625	3/4	133,064	3/4	118,086	3/4	103,100	3/4	88,102

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVI
GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-0" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

AFAU	THES GIVEN IN W	HOLE GAL	LUNS												GAUGE REIGHT	13 -03 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	87,789	0	72,790	0	57,792	0	42,799	0	27,813	0	12,814	0	0	0	0	
1/4	87,477	1/4	72,478	1/4	57,479	1/4	42,487	1/4	27,500	1/4	12,502	1/4	1/4	1/4	1/4	
/2	87,164	1/2	72,165	1/2	57,167	1/2	42,175	1/2	27,188	1/2	12,189	1/2	1/2	1/2	1/2	
/4	86,852	3/4	71,853	3/4	56,854	3/4	41,863	3/4	26,875	3/4	11,877	3/4	3/4	3/4	3/4	
	86,539	1	71,541	1	56,542	1	41,551	1	26,563	1	11,565	1	1	1	1	
4	86,227	1/4	71,228	1/4	56,229	1/4	41,239	1/4	26,250	1/4	11,252	1/4	1/4	1/4	1/4	
2	85,914	1/2	70,916	1/2	55,917	1/2	40,927	1/2	25,938	1/2	10,940	1/2	1/2	1/2	1/2	
4	85,602	3/4	70,603	3/4	55,604	3/4	40,615	3/4	25,625	3/4	10,627	3/4	3/4	3/4	3/4	
Ť	85,289	2	70,291	2	55,292	2	40,303	2	25,313	2	10,315	2	2	2	2	
1	84,977	1/4	69,978	1/4	54,979	1/4	39,991	1/4	25,000	1/4	10,002	1/4	1/4	1/4	1/4	
2	84,664	1/2	69,666	1/2	54,667	1/2	39,679	1/2	24,688	1/2	9.690	1/2	1/2	1/2	1/2	
1	84,352	3/4	69,353	3/4	54,355	3/4	39,367	3/4	24,376	3/4	9,377	3/4	3/4	3/4	3/4	
•	84,039	3	69,041	3	54,042	3	39,055	3	24,063	3	9,065	3	3	3	3	
_					53,730	-	38,743	-		-						
1	83,727 83,414	1/4	68,728 68,416	1/4	53,730	1/4	38,743 38,431	1/4	23,751 23,438	1/4	8,752	1/4	1/4	1/4	1/4	
!		1/2		1/2		1/2		1/2		1/2	8,440	1/2	1/2	1/2	1/2	
4	83,102	3/4	68,103	3/4	53,105	3/4	38,119	3/4	23,126	3/4	8,127	3/4	3/4	3/4	3/4	
_	82,790	4	67,791	4	52,792	4	37,807	4	22,813	4	7,815	4	4	4	4	
ı	82,477	1/4	67,478	1/4	52,480	1/4	37,495	1/4	22,501	1/4	7,503	1/4	1/4	1/4	1/4	
!	82,165	1/2	67,166	1/2	52,167	1/2	37,183	1/2	22,188	1/2	7,190	1/2	1/2	1/2	1/2	
	81,852	3/4	66,853	3/4	51,855	3/4	36,871	3/4	21,876	3/4	6,878	3/4	3/4	3/4	3/4	
	81,540	5	66,541	5	51,542	5	36,559	5	21,563	5	6,565	5	5	5	5	
	81,227	1/4	66,228	1/4	51,230	1/4	36,247	1/4	21,251	1/4	6,253	1/4	1/4	1/4	1/4	
	80,915	1/2	65,916	1/2	50,917	1/2	35,935	1/2	20,938	1/2	5,940	1/2	1/2	1/2	1/2	
	80,602	3/4	65,604	3/4	50,605	3/4	35,623	3/4	20,626	3/4	5,628	3/4	3/4	3/4	3/4	
	80,290	6	65,291	6	50,292	6	35,311	6	20,314	6	5,316	6	6	6	6	
	79,977	1/4	64,979	1/4	49,980	1/4	34,999	1/4	20,001	1/4	5,003	1/4	1/4	1/4	1/4	
!	79,665	1/2	64,666	1/2	49,667	1/2	34,687	1/2	19,689	1/2	4,691	1/2	1/2	1/2	1/2	
ı	79,352	3/4	64,354	3/4	49,355	3/4	34,374	3/4	19,376	3/4	4,379	3/4	3/4	3/4	3/4	
	79,040	7	64,041	7	49,043	7	34,062	7	19,064	7	4,068	7	7	7	7	
	78,727	1/4	63,729	1/4	48,730	1/4	33,749	1/4	18,751	1/4	3,756	1/4	1/4	1/4	1/4	
	78,415	1/2	63,416	1/2	48,418	1/2	33,437	1/2	18,439	1/2	3,445	1/2	1/2	1/2	1/2	
	78,102	3/4	63,104	3/4	48,105	3/4	33,124	3/4	18,126	3/4	3,133	3/4	3/4	3/4	3/4	
T	77,790	8	62,791	8	47,793	8	32,812	8	17,814	8	2,841	8	8	8	8	
+	77,477	1/4	62,479	1/4	47,480	1/4	32,500	1/4	17,501	1/4	2,549	1/4	1/4	1/4	1/4	
	77,165	1/2	62,166	1/2	47,168	1/2	32,187	1/2	17,189	1/2	2,257	1/2	1/2	1/2	1/2	
	76,853	3/4	61,854	3/4	46,856	3/4	31,875	3/4	16,876	3/4	1,964	3/4	3/4	3/4	3/4	
1	76,540	9	61,541	9	46,544	9	31,562	9	16,564	9	1,730	9	9	9	9	
+	76,228		61,229	-	46,231	-	31,250	-	16,251	-	1,496			-		
-	75,915	1/4	60,916	1/4	45,919	1/4	30,937	1/4	15,939	1/4	1,496	1/4	1/4	1/4	1/4	
+	75,915	1/2	60,604	1/2	45,607	1/2	30,937	1/2	15,627	1/2 3/4	1,262	1/2	1/2	1/2	1/2	
_		3/4		3/4		3/4		3/4		_		3/4	3/4	3/4	3/4	
4	75,290	10	60,292	10	45,295	10	30,312	10	15,314	10	_=_	10	10	10	10	
1	74,978	1/4	59,979	1/4	44,983	1/4	30,000	1/4	15,002	1/4		1/4	1/4	1/4	1/4	
	74,665	1/2	59,667	1/2	44,671	1/2	29,687	1/2	14,689	1/2		1/2	1/2	1/2	1/2	
4	74,353	3/4	59,354	3/4	44,359	3/4	29,375	3/4	14,377	3/4		3/4	3/4	3/4	3/4	
	74,040	11	59,042	11	44,047	11	29,062	11	14,064	11		11	11	11	11	
1	73,728	1/4	58,729	1/4	43,735	1/4	28,750	1/4	13,752	1/4		1/4	1/4	1/4	1/4	
2	73,415	1/2	58,417	1/2	43,423	1/2	28,438	1/2	13,439	1/2		1/2	1/2	1/2	1/2	
ļ	73,103	3/4	58,104	3/4	43,111	3/4	28,125	3/4	13,127	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The James



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

CAPACI	TIES GIVEN IN WH	HOLE GA	ALLONS														GAUGE HE	IGHT	15'-09 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	187,850	0	177,535	0	167,220	0	156,871	0	146,274	0	131,702	0	116,762	0	101,815
1/4		1/4		1/4	187,635	1/4	177,320	1/4	167,005	1/4	156,655	1/4	146,012	1/4	131,391	1/4	116,451	1/4	101,503
1/2		1/2		1/2	187,420	1/2	177,105	1/2	166,790	1/2	156,439	1/2	145,749	1/2	131,079	1/2	116,139	1/2	101,191
3/4		3/4		3/4	187,205	3/4	176,890	3/4	166,575	3/4	156,224	3/4	145,487	3/4	130,768	3/4	115,828	3/4	100,880
1		1		1	186,990	1	176,675	1	166,359	1	156,008	1	145,209	1	130,457	1	115,517	1	100,568
1/4		1/4		1/4	186,775	1/4	176,461	1/4	166,143	1/4	155,793	1/4	144,931	1/4	130,146	1/4	115,206	1/4	100,256
1/2		1/2		1/2	186,560	1/2	176,246	1/2	165,928	1/2	155,577	1/2	144,653	1/2	129,834	1/2	114,894	1/2	99,945
3/4		3/4		3/4	186,345	3/4	176,031	3/4	165,712	3/4	155,361	3/4	144,374	3/4	129,523	3/4	114,583	3/4	99,633
2		2		2	186,130	2	175,816	2	165,496	2	155,146	2	144,080	2	129,212	2	114,272	2	99,321
1/4		1/4		1/4	185,915	1/4	175,601	1/4	165,281	1/4	154,930	1/4	143,786	1/4	128,901	1/4	113,961	1/4	99,010
1/2		1/2		1/2	185,701	1/2	175,386	1/2	165,065	1/2	154,714	1/2	143,492	1/2	128,589	1/2	113,649	1/2	98,698
3/4		3/4		3/4	185,486	3/4	175,171	3/4	164,849	3/4	154,499	3/4	143,198	3/4	128,278	3/4	113,338	3/4	98,386
3		3		3	185,271	3	174,956	3	164,634	3	154,283	3	142,891	3	127,967	3	113,027	3	98,075
1/4		1/4		1/4	185,056	1/4	174,742	1/4	164,418	1/4	154,067	1/4	142,585	1/4	127,656	1/4	112,716	1/4	97,763
1/2		1/2		1/2	184,841	1/2	174,527	1/2	164,203	1/2	153,852	1/2	142,278	1/2	127,344	1/2	112,404	1/2	97,452
3/4		3/4		3/4	184,626	3/4	174,312	3/4	163,987	3/4	153,636	3/4	141,972	3/4	127,033	3/4	112,093	3/4	97,140
4		4		4	184,411	4	174,097	4	163,771	4	153,421	4	141,661	4	126,722	4	111,782	4	96,829
1/4		1/4		1/4	184,196	1/4	173,882	1/4	163,556	1/4	153,205	1/4	141,350	1/4	126,411	1/4	111,471	1/4	96,517
1/2		1/2		1/2	183,981	1/2	173,667	1/2	163,340	1/2	152,989	1/2	141,039	1/2	126,099	1/2	111,159	1/2	96,206
3/4		3/4		3/4	183,767	3/4	173,452	3/4	163,124	3/4	152,774	3/4	140,728	3/4	125,788	3/4	110,848	3/4	95,895
5		5		5	183,552	5	173,237	5	162,909	5	152,558	5	140,417	5	125,477	5	110,537	5	95,583
1/4		1/4		1/4	183,337	1/4	173,023	1/4	162,693	1/4	152,342	1/4	140,105	1/4	125,166	1/4	110,226	1/4	95,272
1/2		1/2		1/2	183,122	1/2	172,808	1/2	162,477	1/2	152,127	1/2	139,794	1/2	124,854	1/2	109,914	1/2	94,960
3/4		3/4		3/4	182,907	3/4	172,593	3/4	162,262	3/4	151,911	3/4	139,483	3/4	124,543	3/4	109,603	3/4	94,649
6		6		6	182,692	6	172,378	6	162,046	6	151,695	6	139,172	6	124,232	6	109,292	6	94,338
1/4		1/4		1/4	182,477	1/4	172,163	1/4	161,830	1/4	151,480	1/4	138,861	1/4	123,921	1/4	108,980	1/4	94,026
1/2		1/2		1/2	182,262	1/2	171,948	1/2	161,615	1/2	151,264	1/2	138,549	1/2	123,609	1/2	108,669	1/2	93,715
3/4		3/4	191,671	3/4	182,048	3/4	171,733	3/4	161,399	3/4	151,048	3/4	138,238	3/4	123,298	3/4	108,358	3/4	93,403
7		7	191,548	7	181,833	7	171,518	7	161,184	7	150,833	7	137,927	7	122,987	7	108,047	7	93,092
1/4		1/4	191,424	1/4	181,618	1/4	171,303	1/4	160,968	1/4	150,617	1/4	137,616	1/4	122,676	1/4	107,735	1/4	92,780
1/2		1/2	191,301	1/2	181,403	1/2	171,089	1/2	160,752	1/2	150,402	1/2	137,304	1/2	122,364	1/2	107,424	1/2	92,469
3/4		3/4	191,177	3/4	181,188	3/4	170,874	3/4	160,537	3/4	150,186	3/4	136,993	3/4	122,053	3/4	107,112	3/4	92,158
8		8	191,018	8	180,973	8	170,659	8	160,321	8	149,970	8	136,682	8	121,742	8	106,801	8	91,846
1/4		1/4	190,859	1/4	180,758	1/4	170,444	1/4	160,105	1/4	149,755	1/4	136,371	1/4	121,431	1/4	106,489	1/4	91,535
1/2		1/2	190,699	1/2	180,543	1/2	170,229	1/2	159,890	1/2	149,539	1/2	136,059	1/2	121,119	1/2	106,178	1/2	91,223
3/4		3/4	190,540	3/4	180,328	3/4	170,014	3/4	159,674	3/4	149,323	3/4	135,748	3/4	120,808	3/4	105,866	3/4	90,912
9		9	190,347	9	180,114	9	169,799	9	159,458	9	149,104	9	135,437	9	120,497	9	105,555	9	90,601
1/4		1/4	190,154	1/4	179,899	1/4	169,584	1/4	159,243	1/4	148,885	1/4	135,126	1/4	120,186	1/4	105,243	1/4	90,289
1/2		1/2	189,961	1/2	179,684	1/2	169,370	1/2	159,027	1/2	148,666	1/2	134,814	1/2	119,874	1/2	104,931	1/2	89,978
3/4		3/4	189,769	3/4	179,469	3/4	169,155	3/4	158,812	3/4	148,447	3/4	134,503	3/4	119,563	3/4	104,620	3/4	89,666
10		10	189,557	10	179,254	10	168,940	10	158,596	10	148,216	10	134,192	10	119,252	10	104,308	10	89,355
1/4		1/4	189,346	1/4	179,039	1/4	168,725	1/4	158,380	1/4	147,985	1/4	133,881	1/4	118,941	1/4	103,996	1/4	89,044
1/2		1/2	189,135	1/2	178,824	1/2	168,510	1/2	158,165	1/2	147,755	1/2	133,569	1/2	118,629	1/2	103,685	1/2	88,732
3/4		3/4	188,924	3/4	178,609	3/4	168,295	3/4	157,949	3/4	147,524	3/4	133,258	3/4	118,318	3/4	103,373	3/4	88,421
11		11	188,709	11	178,395	11	168,080	11	157,733	11	147,277	11	132,947	11	118,007	11	103,061	11	88,109
1/4		1/4	188,494	1/4	178,180	1/4	167,865	1/4	157,518	1/4	147,030	1/4	132,636	1/4	117,696	1/4	102,750	1/4	87,798
1/2		1/2	188,280	1/2	177,965	1/2	167,650	1/2	157,302	1/2	146,784	1/2	132,324	1/2	117,384	1/2	102,438	1/2	87,486
3/4		3/4	188,065	3/4	177,750	3/4	167,436	3/4	157,086	3/4	146,537	3/4	132,013	3/4	117,073	3/4	102,126	3/4	87,174
- T		J/ T		⊘ /⊤	,	5/7	,		,	5/7	,	3/7	,	3/7			T EOD THE ADOL		

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-0" FORWARD OF AFT BULKHEAD

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

Fre James



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

AFAG	TIES GIVEN IN W	HOLE GALI	LUNS												GAUGE REIGHT	13 -03 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	86,863	0	71,937	0	57,082	0	42,573	0	27,766	0	12,801	0	0	0	0	
1/4	86,551	1/4	71,627	1/4	56,779	1/4	42,268	1/4	27,454	1/4	12,489	1/4	1/4	1/4	1/4	
/2	86,239	1/2	71,317	1/2	56,475	1/2	41,964	1/2	27,143	1/2	12,177	1/2	1/2	1/2	1/2	
/4	85,928	3/4	71,008	3/4	56,172	3/4	41,660	3/4	26,831	3/4	11,865	3/4	3/4	3/4	3/4	
	85,616	1	70,698	1	55,870	1	41,355	1	26,519	1	11,553	1	1	1	1	
4	85,304	1/4	70,388	1/4	55,568	1/4	41,051	1/4	26,208	1/4	11,241	1/4	1/4	1/4	1/4	
2	84,992	1/2	70,078	1/2	55,266	1/2	40,746	1/2	25,896	1/2	10,929	1/2	1/2	1/2	1/2	
4	84,681	3/4	69,769	3/4	54,964	3/4	40,442	3/4	25,584	3/4	10,617	3/4	3/4	3/4	3/4	
	84,369	2	69,459	2	54,662	2	40,137	2	25,272	2	10,305	2	2	2	2	
1	84,057	1/4	69,149	1/4	54,360	1/4	39,833	1/4	24,961	1/4	9,993	1/4	1/4	1/4	1/4	
2	83,745	1/2	68,839	1/2	54,058	1/2	39,528	1/2	24,649	1/2	9,680	1/2	1/2	1/2	1/2	
:	83,434	3/4	68,530	3/4	53,756	3/4	39,224	3/4	24,337	3/4	9,368	3/4	3/4	3/4	3/4	
_	83,122	3/4	68,220	3/4	53,454	3/4	38,919		24,025	3/4	9,056	3/4	3/4	3/4		
4								3				 			3	
	82,810	1/4	67,910	1/4	53,152	1/4	38,615	1/4	23,713	1/4	8,744	1/4	1/4	1/4	1/4	
:	82,499	1/2	67,600	1/2	52,850	1/2	38,310	1/2	23,402	1/2	8,432	1/2	1/2	1/2	1/2	
4	82,187	3/4	67,291	3/4	52,549	3/4	38,006	3/4	23,090	3/4	8,119	3/4	3/4	3/4	3/4	
_	81,875	4	66,981	4	52,247	4	37,701	4	22,778	4	7,807	4	4	4	4	
	81,563	1/4	66,671	1/4	51,945	1/4	37,397	1/4	22,466	1/4	7,495	1/4	1/4	1/4	1/4	
	81,252	1/2	66,361	1/2	51,643	1/2	37,092	1/2	22,155	1/2	7,183	1/2	1/2	1/2	1/2	
	80,940	3/4	66,051	3/4	51,341	3/4	36,788	3/4	21,843	3/4	6,871	3/4	3/4	3/4	3/4	
	80,628	5	65,742	5	51,039	5	36,480	5	21,531	5	6,559	5	5	5	5	
Ī	80,316	1/4	65,432	1/4	50,737	1/4	36,173	1/4	21,219	1/4	6,247	1/4	1/4	1/4	1/4	
	80,005	1/2	65,122	1/2	50,435	1/2	35,865	1/2	20,907	1/2	5,935	1/2	1/2	1/2	1/2	
	79,693	3/4	64,812	3/4	50,133	3/4	35,557	3/4	20,596	3/4	5,624	3/4	3/4	3/4	3/4	
T	79,381	6	64,503	6	49,831	6	35,246	6	20,284	6	5,312	6	6	6	6	
7	79,070	1/4	64,193	1/4	49,529	1/4	34,935	1/4	19,972	1/4	5,000	1/4	1/4	1/4	1/4	
	78,758	1/2	63,883	1/2	49,227	1/2	34,624	1/2	19,660	1/2	4,688	1/2	1/2	1/2	1/2	
	78,446	3/4	63,573	3/4	48,925	3/4	34,312	3/4	19,348	3/4	4,376	3/4	3/4	3/4	3/4	
1	78,135	7	63,263	7	48,623	7	34,001	7	19,037	7	4,064	7	7	7	7	
	77,825	1/4	62,952	1/4	48,321	1/4	33,689	1/4	18,725	1/4	3,753	1/4	1/4	1/4	1/4	
:	77,514	1/2	62,642	1/2	48,019	1/2	33,377	1/2	18,413	1/2	3,442	1/2	1/4	1/2	1/2	
+	77,203	3/4	62,331	3/4	47,717	3/4	33,065	3/4	18,101	3/4	3,131	3/4	3/4	3/4	3/4	
-							32,753	-			•					
4	76,893	8	62,020	8	47,416	8		8	17,789	8	2,839	8	8	8	8	
	76,584	1/4	61,708	1/4	47,114	1/4	32,442	1/4	17,478	1/4	2,547	1/4	1/4	1/4	1/4	
	76,274	1/2	61,397	1/2	46,813	1/2	32,130	1/2	17,166	1/2	2,255	1/2	1/2	1/2	1/2	
4	75,964	3/4	61,085	3/4	46,511	3/4	31,818	3/4	16,854	3/4	1,963	3/4	3/4	3/4	3/4	
4	75,654	9	60,774	9	46,210	9	31,506	9	16,542	9	1,728	9	9	9	9	
	75,344	1/4	60,462	1/4	45,909	1/4	31,194	1/4	16,230	1/4	1,494	1/4	1/4	1/4	1/4	
	75,035	1/2	60,151	1/2	45,608	1/2	30,883	1/2	15,919	1/2	1,260	1/2	1/2	1/2	1/2	
	74,725	3/4	59,840	3/4	45,307	3/4	30,571	3/4	15,607	3/4	1,026	3/4	3/4	3/4	3/4	
	74,415	10	59,531	10	45,004	10	30,259	10	15,295	10		10	10	10	10	
T	74,105	1/4	59,223	1/4	44,701	1/4	29,947	1/4	14,983	1/4		1/4	1/4	1/4	1/4	
	73,796	1/2	58,915	1/2	44,398	1/2	29,636	1/2	14,672	1/2		1/2	1/2	1/2	1/2	
	73,486	3/4	58,606	3/4	44,095	3/4	29,324	3/4	14,360	3/4		3/4	3/4	3/4	3/4	
T	73,176	11	58,301	11	43,791	11	29,012	11	14,048	11		11	11	11	11	
	72,866	1/4	57,996	1/4	43,486	1/4	28,701	1/4	13,736	1/4		1/4	1/4	1/4	1/4	
2	72,557	1/2	57,691	1/2	43,182	1/2	28,389	1/2	13,424	1/2		1/2	1/2	1/2	1/2	
	72,247	3/4	57,386	3/4	42,877	3/4	28,078	3/4	13,113	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The James



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

CAPACITIES GIV	VEN IN WHOL	E GAL	LUNS														GAUGE HE	10111	15-09 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	208,463	0	193,509	0	178,503	0	163,448	0	148,391	0	133,335	0	118,278	0	103,218
1/4		1/4		1/4	208,154	1/4	193,197	1/4	178,190	1/4	163,134	1/4	148,078	1/4	133,021	1/4	117,964	1/4	102,904
1/2		1/2		1/2	207,844	1/2	192,884	1/2	177,877	1/2	162,821	1/2	147,764	1/2	132,707	1/2	117,651	1/2	102,590
3/4	:	3/4		3/4	207,535	3/4	192,571	3/4	177,564	3/4	162,507	3/4	147,450	3/4	132,394	3/4	117,337	3/4	102,276
1		1		1	207,225	1	192,259	1	177,250	1	162,193	1	147,137	1	132,080	1	117,023	1	101,962
1/4		1/4		1/4	206,915	1/4	191,946	1/4	176,936	1/4	161,880	1/4	146,823	1/4	131,766	1/4	116,710	1/4	101,649
1/2		1/2		1/2	206,606	1/2	191,634	1/2	176,623	1/2	161,566	1/2	146,509	1/2	131,453	1/2	116,396	1/2	101,335
3/4		3/4		3/4	206,296	3/4	191,321	3/4	176,309	3/4	161,252	3/4	146,196	3/4	131,139	3/4	116,082	3/4	101,021
2		2		2	205,986	2	191,008	2	175,995	2	160,939	2	145,882	2	130,825	2	115,769	2	100,707
1/4		1/4		1/4	205,677	1/4	190,696	1/4	175,682	1/4	160,625	1/4	145,568	1/4	130,512	1/4	115,455	1/4	100,393
1/2		1/2		1/2	205,367	1/2	190,383	1/2	175,368	1/2	160,311	1/2	145,255	1/2	130,198	1/2	115,141	1/2	100,079
3/4		3/4		3/4	205,057	3/4	190,070	3/4	175,054	3/4	159.998	3/4	144,941	3/4	129,884	3/4	114,828	3/4	99,766
3		3		3	204,748	3	189,758	3	174,741	3	159,684	3	144,627	3	129,571	3	114,514	3	99,452
1/4		1/4		1/4	204,438	1/4	189,445	1/4	174,427	1/4	159,370	1/4	144,314	1/4	129,257	1/4	114,200	1/4	99,138
					204,129		189,133		174,113	1/4	159,057		144,000		128,943		113,887		98,824
3/4		1/2 3/4		1/2 3/4	204,129	1/2 3/4	189,133	1/2 3/4	174,113	3/4	158,743	1/2 3/4	144,000	1/2 3/4	128,943	1/2 3/4	113,887	1/2 3/4	98,824 98,510
		_		_		_	•							_	•	_		-	
4		4		4	203,508	4	188,507	4	173,486	4	158,429	4	143,372	4	128,316	4	113,259	4	98,196
1/4		1/4		1/4	203,197	1/4	188,195	1/4	173,172	1/4	158,115	1/4	143,059	1/4	128,002	1/4	112,945	1/4	97,883
1/2		1/2		1/2	202,886	1/2	187,882	1/2	172,858	1/2	157,802	1/2	142,745	1/2	127,688	1/2	112,632	1/2	97,569
3/4		3/4		3/4	202,575	3/4	187,569	3/4	172,545	3/4	157,488	3/4	142,431	3/4	127,375	3/4	112,318	3/4	97,255
5		5		5	202,262	5	187,257	5	172,231	5	157,174	5	142,118	5	127,061	5	112,004	5	96,941
1/4		1/4		1/4	201,950	1/4	186,944	1/4	171,917	1/4	156,861	1/4	141,804	1/4	126,747	1/4	111,691	1/4	96,627
1/2		1/2		1/2	201,637	1/2	186,632	1/2	171,604	1/2	156,547	1/2	141,490	1/2	126,434	1/2	111,377	1/2	96,313
3/4		3/4		3/4	201,325	3/4	186,319	3/4	171,290	3/4	156,233	3/4	141,177	3/4	126,120	3/4	111,063	3/4	96,000
6		6		6	201,012	6	186,006	6	170,976	6	155,920	6	140,863	6	125,806	6	110,750	6	95,686
1/4		1/4		1/4	200,699	1/4	185,694	1/4	170,663	1/4	155,606	1/4	140,549	1/4	125,493	1/4	110,436	1/4	95,372
1/2		1/2		1/2	200,387	1/2	185,381	1/2	170,349	1/2	155,292	1/2	140,236	1/2	125,179	1/2	110,122	1/2	95,058
3/4	:	3/4	213,991	3/4	200,074	3/4	185,069	3/4	170,035	3/4	154,979	3/4	139,922	3/4	124,865	3/4	109,808	3/4	94,744
7		7	213,812	7	199,762	7	184,756	7	169,722	7	154,665	7	139,608	7	124,552	7	109,495	7	94,430
1/4		1/4	213,633	1/4	199,449	1/4	184,443	1/4	169,408	1/4	154,351	1/4	139,295	1/4	124,238	1/4	109,181	1/4	94,116
1/2		1/2	213,454	1/2	199,136	1/2	184,131	1/2	169,094	1/2	154,038	1/2	138,981	1/2	123,924	1/2	108,867	1/2	93,803
3/4	:	3/4	213,275	3/4	198,824	3/4	183,818	3/4	168,781	3/4	153,724	3/4	138,667	3/4	123,611	3/4	108,553	3/4	93,489
8		8	213,044	8	198,511	8	183,505	8	168,467	8	153,410	8	138,354	8	123,297	8	108,239	8	93,175
1/4		1/4	212,813	1/4	198,198	1/4	183,193	1/4	168,153	1/4	153,097	1/4	138,040	1/4	122,983	1/4	107,925	1/4	92,861
1/2		1/2	212,582	1/2	197,886	1/2	182,880	1/2	167,840	1/2	152,783	1/2	137,726	1/2	122,670	1/2	107,612	1/2	92,547
3/4		3/4	212,350	3/4	197,573	3/4	182,568	3/4	167,526	3/4	152,469	3/4	137,413	3/4	122,356	3/4	107,298	3/4	92,233
9		9	212,071	9	197,261	9	182,255	9	167,212	9	152,156	9	137,099	9	122,042	9	106,984	9	91,920
1/4		1/4	211,791	1/4	196,948	1/4	181,942	1/4	166,899	1/4	151,842	1/4	136,785	1/4	121,729	1/4	106,670	1/4	91,606
1/2		1/2	211,511	1/2	196,635	1/2	181,630	1/2	166,585	1/2	151,528	1/2	136,472	1/2	121,415	1/2	106,356	1/2	91,292
3/4		3/4	211,232	3/4	196,323	3/4	181,317	3/4	166,271	3/4	151,214	3/4	136,158	3/4	121,101	3/4	106,042	3/4	90,978
10		10	210,926	10	196,010	10	181,005	10	165,957	10	150,901	10	135,844	10	120,787	10	105,728	10	90,664
1/4		1/4	210,621	1/4	195,698	1/4	180,692	1/4	165,644	1/4	150,587	1/4	135,530	1/4	120,474	1/4	105,415	1/4	90,350
1/2		1/2	210,315	1/4	195,385	1/2	180,379	1/4	165,330	1/2	150,273	1/2	135,217	1/4	120,160	1/4	105,101	1/4	90,037
3/4		3/4	210,010	3/4	195,072	3/4	180,067	3/4	165,016	3/4	149,960	3/4	134,903	3/4	119,846	3/4	104,787	3/4	89,723
11		11	209,700	11	194,760	11	179,754	11	164,703	11	149,646	11	134,589	11	119,533	11	104,473	11	89,409
		_		-		_				-		-		-		-		-	,
1/4		1/4	209,391	1/4	194,447	1/4	179,441	1/4	164,389	1/4	149,332	1/4	134,276	1/4	119,219	1/4	104,159	1/4	89,095
1/2		1/2	209,082	1/2	194,134	1/2	179,129	1/2	164,075	1/2	149,019	1/2	133,962	1/2	118,905	1/2	103,845	1/2	88,781
3/4		3/4	208,773	3/4	193,822	3/4	178,816	3/4	163,762	3/4	148,705	3/4	133,648	3/4	118,592	3/4	103,532	3/4	88,467

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" "HERMETIC" VALVI GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-3" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

AFAC	TIES GIVEN IN W	HOLE GAL	LUNS												GAUGE REIGHT	13 -03 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	88,154	0	73,089	0	58,025	0	42,984	0	27,933	0	12,870	0	0	0	0	
1/4	87,840	1/4	72,775	1/4	57,711	1/4	42,671	1/4	27,620	1/4	12,556	1/4	1/4	1/4	1/4	
/2	87,526	1/2	72,462	1/2	57,397	1/2	42,358	1/2	27,306	1/2	12,243	1/2	1/2	1/2	1/2	
/4	87,212	3/4	72,148	3/4	57,084	3/4	42,045	3/4	26,993	3/4	11,929	3/4	3/4	3/4	3/4	
	86,898	1	71,834	1	56,770	1	41,733	1	26,679	1	11,615	1	1	1	1	
4	86,584	1/4	71,520	1/4	56,456	1/4	41,420	1/4	26,365	1/4	11,301	1/4	1/4	1/4	1/4	
2	86,271	1/2	71,206	1/2	56,142	1/2	41,107	1/2	26,051	1/2	10,987	1/2	1/2	1/2	1/2	
4	85,957	3/4	70,892	3/4	55,828	3/4	40,794	3/4	25,738	3/4	10,673	3/4	3/4	3/4	3/4	
Ť	85,643	2	70,579	2	55,514	2	40,481	2	25,424	2	10,360	2	2	2	2	
1	85,329	1/4	70,265	1/4	55,201	1/4	40,168	1/4	25,110	1/4	10,046	1/4	1/4	1/4	1/4	
2	85,015	1/2	69,951	1/2	54,887	1/2	39,855	1/2	24,796	1/2	9,732	1/2	1/2	1/4	1/2	
	84,701	3/4	69,637	3/4	54,573	3/4	39,542	3/4	24,482	3/4	9,418	3/4	3/4	3/4	3/4	
_	84,387	3	69,323	3	54,259	3	39,229	3	24,168	3	9,104	3/4	3	3	3	
4								-	•	-						
ı	84,074	1/4	69,009	1/4	53,945	1/4	38,915	1/4	23,855	1/4	8,790	1/4	1/4	1/4	1/4	
_	83,760	1/2	68,696	1/2	53,631	1/2	38,602	1/2	23,541	1/2	8,477	1/2	1/2	1/2	1/2	
4	83,446	3/4	68,382	3/4	53,318	3/4	38,289	3/4	23,227	3/4	8,163	3/4	3/4	3/4	3/4	
┙	83,132	4	68,068	4	53,004	4	37,975	4	22,913	4	7,849	4	4	4	4	
	82,818	1/4	67,754	1/4	52,690	1/4	37,661	1/4	22,599	1/4	7,535	1/4	1/4	1/4	1/4	
	82,504	1/2	67,440	1/2	52,376	1/2	37,347	1/2	22,285	1/2	7,221	1/2	1/2	1/2	1/2	
4	82,191	3/4	67,126	3/4	52,062	3/4	37,033	3/4	21,971	3/4	6,907	3/4	3/4	3/4	3/4	
	81,877	5	66,813	5	51,749	5	36,720	5	21,658	5	6,594	5	5	5	5	
	81,563	1/4	66,499	1/4	51,435	1/4	36,406	1/4	21,344	1/4	6,280	1/4	1/4	1/4	1/4	
	81,249	1/2	66,185	1/2	51,122	1/2	36,092	1/2	21,030	1/2	5,966	1/2	1/2	1/2	1/2	
	80,935	3/4	65,871	3/4	50,808	3/4	35,778	3/4	20,716	3/4	5,652	3/4	3/4	3/4	3/4	
	80,621	6	65,557	6	50,495	6	35,464	6	20,402	6	5,338	6	6	6	6	
	80,308	1/4	65,243	1/4	50,182	1/4	35,150	1/4	20,088	1/4	5,025	1/4	1/4	1/4	1/4	
	79,994	1/2	64,930	1/2	49,869	1/2	34,837	1/2	19,775	1/2	4,711	1/2	1/2	1/2	1/2	
	79,680	3/4	64,616	3/4	49,556	3/4	34,523	3/4	19,461	3/4	4,398	3/4	3/4	3/4	3/4	
	79,366	7	64,302	7	49,243	7	34,209	7	19,147	7	4,085	7	7	7	7	
7	79,052	1/4	63,988	1/4	48,930	1/4	33,895	1/4	18,833	1/4	3,772	1/4	1/4	1/4	1/4	
	78,738	1/2	63,674	1/2	48,617	1/2	33,581	1/2	18,519	1/2	3,459	1/2	1/2	1/2	1/2	
T	78,425	3/4	63,360	3/4	48,304	3/4	33,267	3/4	18,205	3/4	3,146	3/4	3/4	3/4	3/4	
-	78,111	8	63,047	8	47,991	8	32,953	8	17,892	8	2,853	8	8	8	8	
4	77,797	1/4	62,733	1/4	47,678	1/4	32,640	1/4	17,578	1/4	2,559	1/4	1/4	1/4	1/4	
_	77,483		62,419	1/4	47,365		32,326	_	17,264	1/2	2,266			_		
	77,169	1/2 3/4	62,105	3/4	47,052	1/2 3/4	32,012	1/2 3/4	16,950	3/4	1,973	1/2	1/2 3/4	1/2 3/4	1/2	
+	76,855	9	61,791	9	46,739	9	31,698	9	16,636	9	1,737	9	9	9	9	
+				-				-	•	-				-		
+	76,542	1/4	61,477	1/4	46,426	1/4	31,384	1/4	16,322	1/4	1,502	1/4	1/4	1/4	1/4	
4	76,228	1/2	61,163	1/2	46,113	1/2	31,070	1/2	16,009	1/2	1,267	1/2	1/2	1/2	1/2	
+	75,914	3/4	60,850	3/4	45,800	3/4	30,757	3/4	15,695	3/4	1,031	3/4	3/4	3/4	3/4	
1	75,600	10	60,536	10	45,487	10	30,443	10	15,381	10		10	10	10	10	
	75,286	1/4	60,222	1/4	45,175	1/4	30,129	1/4	15,067	1/4		1/4	1/4	1/4	1/4	
	74,972	1/2	59,908	1/2	44,862	1/2	29,815	1/2	14,753	1/2		1/2	1/2	1/2	1/2	
	74,659	3/4	59,594	3/4	44,549	3/4	29,502	3/4	14,439	3/4		3/4	3/4	3/4	3/4	
	74,345	11	59,280	11	44,236	11	29,188	11	14,126	11		11	11	11	11	
ı	74,031	1/4	58,967	1/4	43,923	1/4	28,874	1/4	13,812	1/4		1/4	1/4	1/4	1/4	
2	73,717	1/2	58,653	1/2	43,610	1/2	28,561	1/2	13,498	1/2		1/2	1/2	1/2	1/2	
ı	73,403	3/4	58,339	3/4	43,297	3/4	28,247	3/4	13,184	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

http://www.pmacorp.net

The James



2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10"

CAPACI	TIES GIVEN IN WHOLE	GAL	LONS														GAUGE I	TEIGHT	15-10
IN	0 FT. IN	ı	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	207,693	0	192,738	0	177,729	0	162,671	0	147,610	0	132,550	0	117,490	0	102,426
1/4	1/4	1		1/4	207,383	1/4	192,425	1/4	177,416	1/4	162,357	1/4	147,297	1/4	132,236	1/4	117,176	1/4	102,112
1/2	1/2	,		1/2	207,073	1/2	192,113	1/2	177,102	1/2	162,043	1/2	146,983	1/2	131,923	1/2	116,862	1/2	101,798
3/4	3/4	_		3/4	206,764	3/4	191,800	3/4	176,789	3/4	161,729	3/4	146,669	3/4	131,609	3/4	116,549	3/4	101,484
1	1			1	206,454	1	191,487	1	176,476	1	161,416	1	146,355	1	131,295	1	116,235	1	101,170
1/4	1/4	_		1/4	206,144	1/4	191,175	1/4	176,162	1/4	161,102	1/4	146,042	1/4	130,981	1/4	115,921	1/4	100,856
1/2	1/2			1/2	205,835	1/2	190,862	1/2	175,848	1/2	160,788	1/2	145,728	1/2	130,668	1/2	115,607	1/2	100,543
3/4	3/4	_		3/4	205,525	3/4	190,549	3/4	175,535	3/4	160,474	3/4	145,414	3/4	130,354	3/4	115,293	3/4	100,229
2	2			2	205,215	2	190,237	2	175,221	2	160,161	2	145,100	2	130,040	2	114,980	2	99,915
1/4	1/4	_		1/4	204,905	1/4	189,924	1/4	174,907	1/4	159,847	1/4	144,787	1/4	129,726	1/4	114,666	1/4	99,601
1/2	1/4	_		1/2	204,596	1/2	189,611	1/2	174,593	1/2	159,533	1/2	144,473	1/2	129,413	1/2	114,352	1/2	99,287
3/4	3/4	_		3/4	204,336	3/4	189,298	3/4	174,280	3/4	159,219	3/4	144,159	3/4	129,099	3/4	114,038	3/4	98,973
3	3/4	_		3	203,976	3	188,986	3	173,966	3	158,906	3	143,845	3	128,785	3	113,725	3	98,659
	1/4	_		\vdash	203,970		188,673	-	173,652	1/4	158,592	-	143,532	1/4	128,471		113,411	1/4	98,345
1/4		_		1/4	203,007	1/4	188.360	1/4	173,338		158,278	1/4	143,332		•	1/4			98,031
1/2	1/2	_		1/2	203,357	1/2	188,048	1/2	173,336	1/2 3/4	150,276	1/2	143,216	1/2	128,158 127,844	1/2	113,097 112,783	1/2	96,031
3/4		_		3/4		3/4	•	3/4			•	3/4		3/4	•	3/4		3/4	
4	4	_		4	202,738	4	187,735	4	172,711	4	157,651	4	142,590	4	127,530	4	112,470	4	97,403
1/4	1/4			1/4	202,427	1/4	187,422	1/4	172,397	1/4	157,337	1/4	142,277	1/4	127,216	1/4	112,156	1/4	97,089
1/2	1/2	_		1/2	202,116	1/2	187,110	1/2	172,083	1/2	157,023	1/2	141,963	1/2	126,902	1/2	111,842	1/2	96,776
3/4	3/4			3/4	201,805	3/4	186,797	3/4	171,770	3/4	156,709	3/4	141,649	3/4	126,589	3/4	111,528	3/4	96,462
5	5	_		5	201,493	5	186,484	5	171,456	5	156,396	5	141,335	5	126,275	5	111,215	5	96,148
1/4	1/4	_		1/4	201,181	1/4	186,172	1/4	171,142	1/4	156,082	1/4	141,022	1/4	125,961	1/4	110,901	1/4	95,834
1/2	1/2	_		1/2	200,868	1/2	185,859	1/2	170,828	1/2	155,768	1/2	140,708	1/2	125,647	1/2	110,587	1/2	95,520
3/4	3/4	_		3/4	200,555	3/4	185,546	3/4	170,515	3/4	155,454	3/4	140,394	3/4	125,334	3/4	110,273	3/4	95,206
6	6	_		6	200,243	6	185,233	6	170,201	6	155,141	6	140,080	6	125,020	6	109,960	6	94,892
1/4	1/4	1		1/4	199,930	1/4	184,921	1/4	169,887	1/4	154,827	1/4	139,766	1/4	124,706	1/4	109,646	1/4	94,578
1/2	1/2			1/2	199,617	1/2	184,608	1/2	169,573	1/2	154,513	1/2	139,453	1/2	124,392	1/2	109,332	1/2	94,264
3/4	3/4	_		3/4	199,305	3/4	184,295	3/4	169,260	3/4	154,199	3/4	139,139	3/4	124,079	3/4	109,018	3/4	93,950
7	7		212,912	7	198,992	7	183,983	7	168,946	7	153,886	7	138,825	7	123,765	7	108,704	7	93,636
1/4	1/4	1	212,733	1/4	198,679	1/4	183,670	1/4	168,632	1/4	153,572	1/4	138,511	1/4	123,451	1/4	108,390	1/4	93,323
1/2	1/2	2	212,554	1/2	198,367	1/2	183,357	1/2	168,318	1/2	153,258	1/2	138,198	1/2	123,137	1/2	108,076	1/2	93,009
3/4	3/4	1	212,375	3/4	198,054	3/4	183,045	3/4	168,005	3/4	152,944	3/4	137,884	3/4	122,824	3/4	107,763	3/4	92,695
8	8		212,196	8	197,741	8	182,732	8	167,691	8	152,630	8	137,570	8	122,510	8	107,449	8	92,381
1/4	1/4	1	211,965	1/4	197,428	1/4	182,419	1/4	167,377	1/4	152,317	1/4	137,256	1/4	122,196	1/4	107,135	1/4	92,067
1/2	1/2	2	211,734	1/2	197,116	1/2	182,107	1/2	167,063	1/2	152,003	1/2	136,943	1/2	121,882	1/2	106,821	1/2	91,753
3/4	3/4	1	211,502	3/4	196,803	3/4	181,794	3/4	166,750	3/4	151,689	3/4	136,629	3/4	121,569	3/4	106,507	3/4	91,439
9	9	J	211,271	9	196,490	9	181,481	9	166,436	9	151,375	9	136,315	9	121,255	9	106,193	9	91,125
1/4	1/4	1	210,991	1/4	196,178	1/4	181,168	1/4	166,122	1/4	151,062	1/4	136,001	1/4	120,941	1/4	105,879	1/4	90,811
1/2	1/2	2	210,711	1/2	195,865	1/2	180,856	1/2	165,808	1/2	150,748	1/2	135,688	1/2	120,627	1/2	105,565	1/2	90,497
3/4	3/4	1	210,432	3/4	195,552	3/4	180,543	3/4	165,495	3/4	150,434	3/4	135,374	3/4	120,314	3/4	105,251	3/4	90,183
10	10)	210,152	10	195,240	10	180,230	10	165,181	10	150,120	10	135,060	10	120,000	10	104,937	10	89,869
1/4	1/4	1	209,846	1/4	194,927	1/4	179,918	1/4	164,867	1/4	149,807	1/4	134,746	1/4	119,686	1/4	104,623	1/4	89,556
1/2	1/2	_	209,541	1/2	194,614	1/2	179,605	1/2	164,553	1/2	149,493	1/2	134,433	1/2	119,372	1/2	104,309	1/2	89,242
3/4	3/4	_	209,235	3/4	194,302	3/4	179,292	3/4	164,239	3/4	149,179	3/4	134,119	3/4	119,059	3/4	103,996	3/4	88,928
11	11	_	208,930	11	193,989	11	178,980	11	163,926	11	148,865	11	133,805	11	118,745	11	103,682	11	88,614
1/4	1/4	—	208,620	1/4	193,676	1/4	178,667	1/4	163,612	1/4	148,552	1/4	133,491	1/4	118,431	1/4	103,368	1/4	88,300
1/2	1/4		208,311	1/2	193,363	1/2	178,354	1/2	163,298	1/2	148,238	1/2	133,178	1/2	118,117	1/2	103,054	1/2	87,986
3/4	3/4	_	208,002	3/4	193,051	3/4	178,042	3/4	162,984	3/4	147,924	3/4	132,864	3/4	117,804	3/4	102,740	3/4	87,672
JIT	3/4	.	200,002	J/4	.00,001	5/4	,072	5/4	. 02,007	J) +	1-11,02-	5/4	.02,007	J; →			T FOR THE ABO		•

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-3" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10"

AFAC	HES GIVEN IN W	HOLE GALL	LONS											GAUGE	IILIGITI	13-10
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	87,358	0	72,290	0	57,528	0	43,048	0	28,254	0	13,187	0	0	0	0	
1/4	87,044	1/4	71,976	1/4	57,226	1/4	42,747	1/4	27,940	1/4	12,873	1/4	1/4	1/4	1/4	
1/2	86,730	1/2	71,662	1/2	56,924	1/2	42,446	1/2	27,626	1/2	12,560	1/2	1/2	1/2	1/2	
3/4	86,416	3/4	71,349	3/4	56,622	3/4	42,144	3/4	27,313	3/4	12,246	3/4	3/4	3/4	3/4	
1	86,102	1	71,035	1	56,320	1	41,843	1	26,999	1	11,932	1	1	1	1	
/4	85,789	1/4	70,721	1/4	56,018	1/4	41,542	1/4	26,685	1/4	11,618	1/4	1/4	1/4	1/4	-
/2	85,475	1/2	70,407	1/2	55,716	1/2	41,241	1/2	26,371	1/2	11,304	1/2	1/2	1/2	1/2	-
3/4	85,161	3/4	70,093	3/4	55,413	3/4	40,939	3/4	26,057	3/4	10,990	3/4	3/4	3/4	3/4	-
2	84,847	2	69,779	2	55,111	2	40,638	2	25,743	2	10,676	2	2	2	2	
/4	84,533	1/4	69,465	1/4	54,809	1/4	40,337	1/4	25,430	1/4	10,362	1/4	1/4	1/4	1/4	-
/2	84,219	1/2	69,151	1/2	54,507	1/2	40,036	1/2	25,116	1/2	10,048	1/2	1/2	1/2	1/2	
/4	83,905	3/4	68,837	3/4	54,205	3/4	39,735	3/4	24,802	3/4	9,734	3/4	3/4	3/4	3/4	-
3	83,591	3	68,523	3	53,903	3	39,433	3	24,488	3	9,420	3	3	3	3	
4	83,277	1/4	68,209	1/4	53,600	1/4	39,132	1/4	24,174	1/4	9,107	1/4	1/4	1/4	1/4	
2	82,963	1/2	67,895	1/2	53,298	1/2	38,830	1/4	23,860	1/2	8,793	1/2	1/2	1/2	1/2	
4	82,649	3/4	67,582	3/4	52,996	3/4	38,528	3/4	23,546	3/4	8,479	3/4	3/4	3/4	3/4	
Ť	82,336	4	67,268	4	52,694	4	38,227	4	23,232	4	8,165	4	4	4	4	-
4	82,022	1/4	66,954	1/4	52,392	1/4	37,925	1/4	22,918	1/4	7,851	1/4	1/4	1/4	1/4	
2	81,708	1/2	66,640	1/2	52,090	1/2	37,622	1/2	22,604	1/2	7,537	1/2	1/4	1/2	1/2	
4	81,394	3/4	66,326	3/4	51,788	3/4	37,320	3/4	22,291	3/4	7,223	3/4	3/4	3/4	3/4	
1	81,080	5	66,012	5	51,485	5	37,018	5	21,977	5	6,909	5	5	5	5	
-	80,766	-	65,704	-	51,184	-	36,710		21,663	-	6,595					
4		1/4		1/4	· · · · · · · · · · · · · · · · · · ·	1/4		1/4		1/4		1/4	1/4	1/4	1/4	
2	80,452 80,138	1/2 3/4	65,396 65,088	1/2 3/4	50,882 50,580	1/2 3/4	36,402 36,094	1/2 3/4	21,349 21,035	1/2	6,281 5,968	1/2	1/2 3/4	1/2 3/4	1/2 3/4	
4	79,824		64,780		50,380		35,786		20,721		5,654					
_		6		6		6	35,472	6		6		6	6	6	6	
4	79,510	1/4	64,478	1/4	49,977	1/4		1/4	20,407	1/4	5,340	1/4	1/4	1/4	1/4	
2	79,196 78,882	1/2	64,176	1/2	49,675 49,374	1/2	35,158 34,844	1/2	20,093	1/2	5,026	1/2	1/2	1/2	1/2	
4		3/4	63,873	3/4		3/4		3/4	19,779	3/4	4,713	3/4	3/4	3/4	3/4	
_	78,569	7	63,571	7	49,073	7	34,531	7	19,465	7	4,399	7	7	7	7	
4	78,255	1/4	63,269	1/4	48,771	1/4	34,217	1/4	19,151	1/4	4,086	1/4	1/4	1/4	1/4	
2	77,941	1/2	62,967	1/2	48,470	1/2	33,903	1/2	18,838	1/2	3,773	1/2	1/2	1/2	1/2	
4	77,627	3/4	62,665	3/4	48,169	3/4	33,589	3/4	18,524	3/4	3,460	3/4	3/4	3/4	3/4	
4	77,313	8	62,363	8	47,867	8	33,275	8	18,210	8	3,147	8	8	8	8	
4	76,999	1/4	62,061	1/4	47,566	1/4	32,961	1/4	17,896	1/4	2,854	1/4	1/4	1/4	1/4	
2	76,685	1/2	61,758	1/2	47,265	1/2	32,647	1/2	17,582	1/2	2,560	1/2	1/2	1/2	1/2	
4	76,371	3/4	61,456	3/4	46,964	3/4	32,333	3/4	17,268	3/4	2,267	3/4	3/4	3/4	3/4	
	76,057	9	61,154	9	46,662	9	32,019	9	16,954	9	1,973	9	9	9	9	
4	75,743	1/4	60,852	1/4	46,361	1/4	31,705	1/4	16,640	1/4	1,738	1/4	1/4	1/4	1/4	
2	75,429	1/2	60,550	1/2	46,060	1/2	31,391	1/2	16,326	1/2	1,503	1/2	1/2	1/2	1/2	
Į.	75,116	3/4	60,248	3/4	45,759	3/4	31,078	3/4	16,012	3/4	1,267	3/4	3/4	3/4	3/4	
)	74,802	10	59,946	10	45,458	10	30,764	10	15,699	10	1,032	10	10	10	10	
ļ.	74,488	1/4	59,643	1/4	45,156	1/4	30,450	1/4	15,385	1/4		1/4	1/4	1/4	1/4	
2	74,174	1/2	59,341	1/2	44,855	1/2	30,136	1/2	15,071	1/2		1/2	1/2	1/2	1/2	
1	73,860	3/4	59,039	3/4	44,554	3/4	29,822	3/4	14,757	3/4		3/4	3/4	3/4	3/4	
П	73,546	11	58,737	11	44,253	11	29,508	11	14,443	11		11	11	11	11	
4	73,232	1/4	58,435	1/4	43,952	1/4	29,195	1/4	14,129	1/4		1/4	1/4	1/4	1/4	
2	72,918	1/2	58,133	1/2	43,650	1/2	28,881	1/2	13,815	1/2		1/2	1/2	1/2	1/2	
4	72,604	3/4	57,831	3/4	43,349	3/4	28,567	3/4	13,501	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The farm



1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

	ITIES GIVEN IN WE	TOLE GA															GAUGE H		
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	205,574	0	190,629	0	175,647	0	160,624	0	145,599	0	130,574	0	115,550	0	100,522
1/4		1/4		1/4	205,264	1/4	190,317	1/4	175,335	1/4	160,311	1/4	145,286	1/4	130,261	1/4	115,237	1/4	100,209
1/2		1/2		1/2	204,954	1/2	190,005	1/2	175,022	1/2	159,998	1/2	144,973	1/2	129,948	1/2	114,924	1/2	99,896
3/4		3/4		3/4	204,644	3/4	189,692	3/4	174,710	3/4	159,685	3/4	144,660	3/4	129,635	3/4	114,611	3/4	99,582
1		1		1	204,334	1	189,380	1	174,397	1	159,372	1	144,347	1	129,322	1	114,298	1	99,269
1/4		1/4		1/4	204,024	1/4	189,068	1/4	174,084	1/4	159,059	1/4	144,034	1/4	129,009	1/4	113,985	1/4	98,956
1/2		1/2		1/2	203,714	1/2	188,756	1/2	173,771	1/2	158,746	1/2	143,721	1/2	128,696	1/2	113,671	1/2	98,643
3/4		3/4		3/4	203,404	3/4	188,444	3/4	173,458	3/4	158,433	3/4	143,408	3/4	128,383	3/4	113,358	3/4	98,330
2		2		2	203,094	2	188,132	2	173,145	2	158,120	2	143,095	2	128,070	2	113,045	2	98,017
1/4		1/4		1/4	202,784	1/4	187,820	1/4	172,832	1/4	157,807	1/4	142,782	1/4	127,757	1/4	112,732	1/4	97,704
1/2		1/2		1/2	202,474	1/2	187,508	1/2	172,519	1/2	157,494	1/2	142,469	1/2	127,444	1/2	112,419	1/2	97,390
3/4		3/4		3/4	202,164	3/4	187,196	3/4	172,205	3/4	157,181	3/4	142,156	3/4	127,131	3/4	112,106	3/4	97,077
3		3		3	201,854	3	186,884	3	171,892	3	156,868	3	141,843	3	126,818	3	111,793	3	96,764
1/4		1/4		1/4	201,544	1/4	186,571	1/4	171,579	1/4	156,555	1/4	141,530	1/4	126,505	1/4	111,480	1/4	96,451
1/2		1/2		1/2	201,234	1/2	186.259	1/2	171,266	1/2	156,242	1/2	141,217	1/2	126,192	1/2	111,167	1/2	96,138
3/4		3/4		3/4	200,924	3/4	185,947	3/4	170,953	3/4	155,929	3/4	140,904	3/4	125,879	3/4	110,854	3/4	95,825
4		4		4	200,613	4	185,635	4	170,640	4	155,616	4	140,591	4	125,566	4	110,541	4	95,511
1/4		1/4		1/4	200,302	1/4	185,323	1/4	170,327	1/4	155,303	1/4	140,278	1/4	125,253	1/4	110,228	1/4	95,198
1/4		1/4			199,991		185,011	1/4	170,014	1/4	154,989		139,965	1/4	124,940	1/4	109,915	1/4	94,885
3/4		3/4		1/2	199,680	1/2	184,699		169,701	3/4	154,676	1/2 3/4	139,652		124,940	3/4	109,602	3/4	94,572
3/4 5		5		3/4 5	199,368	3/4	184,387	3/4		3/4	154,363		139,339	3/4 5	124,027	3/4 5	109,002	3/4 5	94,372
_		_		_		5		+	169,388	+		5		-		_	,		
1/4		1/4		1/4	199,056	1/4	184,075	1/4	169,075	1/4	154,050	1/4	139,026	1/4	124,001	1/4	108,976	1/4	93,946
1/2		1/2		1/2	198,744	1/2	183,762	1/2	168,762	1/2	153,737	1/2	138,713	1/2	123,688	1/2	108,663	1/2	93,633
3/4		3/4		3/4	198,431	3/4	183,450	3/4	168,449	3/4	153,424	3/4	138,400	3/4	123,375	3/4	108,350	3/4	93,319
6		6		6	198,119	6	183,138	6	168,136	6	153,111	6	138,087	6	123,062	6	108,037	6	93,006
1/4		1/4		1/4	197,807	1/4	182,826	1/4	167,823	1/4	152,798	1/4	137,773	1/4	122,749	1/4	107,724	1/4	92,693
1/2		1/2		1/2	197,495	1/2	182,514	1/2	167,510	1/2	152,485	1/2	137,460	1/2	122,436	1/2	107,411	1/2	92,380
3/4		3/4	211,113	3/4	197,183	3/4	182,202	3/4	167,197	3/4	152,172	3/4	137,147	3/4	122,123	3/4	107,098	3/4	92,067
7		7	210,933	7	196,871	7	181,890	7	166,884	7	151,859	7	136,834	7	121,810	7	106,785	7	91,754
1/4		1/4	210,754	1/4	196,559	1/4	181,578	1/4	166,571	1/4	151,546	1/4	136,521	1/4	121,497	1/4	106,472	1/4	91,441
1/2		1/2	210,574	1/2	196,247	1/2	181,266	1/2	166,258	1/2	151,233	1/2	136,208	1/2	121,184	1/2	106,159	1/2	91,127
3/4		3/4	210,395	3/4	195,935	3/4	180,954	3/4	165,945	3/4	150,920	3/4	135,895	3/4	120,871	3/4	105,845	3/4	90,814
8		8	210,163	8	195,622	8	180,641	8	165,632	8	150,607	8	135,582	8	120,558	8	105,532	8	90,501
1/4		1/4	209,931	1/4	195,310	1/4	180,329	1/4	165,319	1/4	150,294	1/4	135,269	1/4	120,245	1/4	105,219	1/4	90,188
1/2		1/2	209,699	1/2	194,998	1/2	180,017	1/2	165,006	1/2	149,981	1/2	134,956	1/2	119,932	1/2	104,906	1/2	89,875
3/4		3/4	209,467	3/4	194,686	3/4	179,705	3/4	164,693	3/4	149,668	3/4	134,643	3/4	119,619	3/4	104,593	3/4	89,562
9		9	209,187	9	194,374	9	179,393	9	164,380	9	149,355	9	134,330	9	119,306	9	104,280	9	89,248
1/4		1/4	208,907	1/4	194,062	1/4	179,081	1/4	164,067	1/4	149,042	1/4	134,017	1/4	118,993	1/4	103,966	1/4	88,935
1/2		1/2	208,627	1/2	193,750	1/2	178,769	1/2	163,754	1/2	148,729	1/2	133,704	1/2	118,680	1/2	103,653	1/2	88,622
3/4		3/4	208,346	3/4	193,438	3/4	178,457	3/4	163,441	3/4	148,416	3/4	133,391	3/4	118,367	3/4	103,340	3/4	88,309
10		10	208,040	10	193,126	10	178,145	10	163,128	10	148,103	10	133,078	10	118,054	10	103,027	10	87,996
1/4		1/4	207,735	1/4	192,814	1/4	177,832	1/4	162,815	1/4	147,790	1/4	132,765	1/4	117,741	1/4	102,714	1/4	87,683
1/2		1/2	207,429	1/2	192,501	1/2	177,520	1/2	162,502	1/2	147,477	1/2	132,452	1/2	117,428	1/2	102,401	1/2	87,370
3/4		3/4	207,123	3/4	192,189	3/4	177,208	3/4	162,189	3/4	147,164	3/4	132,139	3/4	117,115	3/4	102,088	3/4	87,056
11		11	206,813	11	191,877	11	176,896	11	161,876	11	146,851	11	131,826	11	116,802	11	101,774	11	86,743
_		-		-		-	176,584	-		-		-	131,513	-		-		$\overline{}$	86,430
1/4		1/4	206,504	1/4	191,565	1/4		1/4	161,563	1/4	146,538	1/4		1/4	116,489	1/4	101,461	1/4	
1/2		1/2	206,194	1/2	191,253	1/2	176,272	1/2	161,250	1/2	146,225 145,912	1/2	131,200	1/2	116,176	1/2 3/4	101,148	1/2	86,117
3/4		3/4	205,884	3/4	190,941	3/4	175,960	3/4	160,937	3/4	143.912	3/4	130,887	3/4	115,863	3/4	100,835	3/4	85,804

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK
CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVI

GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-3" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT & ANALYSIS, INC.

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



1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-09 3/4"

AFAU	THES GIVEN IN W	HOLE GAL	LUNS												GAUGE REIGHT	10 -09 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	85,491	0	70,460	0	55,433	0	40,405	0	25,374	0	10,602	0	0	0	0	
1/4	85,178	1/4	70,146	1/4	55,120	1/4	40,092	1/4	25,061	1/4	10,312	1/4	1/4	1/4	1/4	
/2	84,864	1/2	69,833	1/2	54,807	1/2	39,779	1/2	24,748	1/2	10,022	1/2	1/2	1/2	1/2	
/4	84,551	3/4	69,520	3/4	54,495	3/4	39,466	3/4	24,435	3/4	9,732	3/4	3/4	3/4	3/4	
	84,238	1	69,207	1	54,182	1	39,153	1	24,122	1	9,446	1	1	1	1	
/4	83,925	1/4	68,894	1/4	53,869	1/4	38,839	1/4	23,809	1/4	9,160	1/4	1/4	1/4	1/4	
/2	83,612	1/2	68,581	1/2	53,556	1/2	38,526	1/2	23,496	1/2	8,874	1/2	1/2	1/2	1/2	
/4	83,299	3/4	68,268	3/4	53,243	3/4	38,213	3/4	23,182	3/4	8,587	3/4	3/4	3/4	3/4	
<u>. </u>	82,986	2	67,954	2	52,930	2	37,900	2	22,869	2	8,305	2	2	2	2	
4	82,672	1/4	67,641	1/4	52,617	1/4	37,587	1/4	22,556	1/4	8,023	1/4	1/4	1/4	1/4	
2	82,359	1/2	67,328	1/2	52,304	1/2	37,274	1/2	22,243	1/2	7,740	1/2	1/2	1/2	1/2	
4	82,046	3/4	67,015	3/4	51,991	3/4	36,961	3/4	21,930	3/4	7,458	3/4	3/4	3/4	3/4	
	81,733	3	66,702	3	51,678	3	36,647	3	21,617	3	7,180	3	3	3	3	
4	81,420	1/4	66.389	1/4	51,365	1/4	36,334	1/4	21,304	1/4	6.901	1/4	1/4	1/4	1/4	
2	81,107	1/2	66,076	1/2	51,052	1/2	36,021	1/2	20,990	1/2	6,623	1/2	1/2	1/2	1/2	
	80,793	3/4	65,762	3/4	50,739	3/4	35,708	3/4	20,677	3/4	6,344	3/4	3/4	3/4	3/4	
7	80,480	4	65,449	4	50,426	4	35,395	4	20,364	4	6,070	4	4	4	4	
4	80,167	1/4	65,136	1/4	50,112	1/4	35,082	1/4	20,051	1/4	5,795	1/4	1/4	1/4	1/4	
2	79,854	1/2	64,823	1/2	49,799	1/2	34,769	1/2	19,738	1/2	5,521	1/2	1/2	1/2	1/2	
4	79,541	3/4	64,510	3/4	49,486	3/4	34,455	3/4	19,425	3/4	5,246	3/4	3/4	3/4	3/4	
1	79,228	5	64,197	5	49,173	5	34,142	5	19,112	5	4,975	5	5	5	5	
+	78,915	1/4	63,883	1/4	48,860	1/4	33,829	1/4	18,798	1/4	4,705	1/4	1/4	1/4	1/4	
	78,601	1/2	63,570	1/2	48,547	1/2	33,516	1/2	18,485	1/2	4,434	1/2	1/2	1/2	1/2	
	78,288	3/4	63,257	3/4	48,234	3/4	33,203	3/4	18,172	3/4	4,163	3/4	3/4	3/4	3/4	
1	77,975	6	62,944	6	47,920	6	32,890	6	17,860	6	3,897	6	6	6	6	
	77,662	1/4	62,631	1/4	47,607	1/4	32,577	1/4	17,548	1/4	3,630	1/4	1/4	1/4	1/4	
2	77,349	1/4	62,318	1/2	47,294	1/2	32,263	1/2	17,236	1/2	3,363	1/2	1/2	1/2	1/4	
1	77,036	3/4	62,005	3/4	46,981	3/4	31,950	3/4	16,924	3/4	3,097	3/4	3/4	3/4	3/4	
1	76,723	7	61,692	7	46,668	7	31,637	7	16,614	7	2,835	7	7	7	7	
_	76,723	1/4	61,379	1/4	46,355	1/4	31,324	1/4	16,305	1/4	2,573	1/4	1/4	1/4	1/4	
2	76,409	1/4	61,066	1/4	46,042	1/4	31,011	1/4	15,996	1/4	2,311	1/4	1/4	1/4	1/4	
1	75,783	3/4	60,753	3/4	45,728	3/4	30,698	3/4	15,686	3/4	2,048	3/4	3/4	3/4	3/4	
+	75,703	8	60,440	8	45,415		30,385	8	15,381	8	1,810	8	8	8	8	
-	75,470		60,127		45,102	8	30,363	-	15,076	-	1,571					
1	74,844	1/4		1/4	44,789	1/4	29,758	1/4		1/4		1/4	1/4	1/4	1/4	
2	74,844	1/2 3/4	59,814 59,501	1/2 3/4	44,789	1/2 3/4	29,758	1/2 3/4	14,770 14,465	1/2 3/4	1,332 1,093	1/2 3/4	1/2	1/2 3/4	1/2	
1	74,331	9	59,188		44,163		29,132	_	14,163	9	916	9		9	9	
-				9		9		9		-			9	-		
	73,904 73,591	1/4	58,875	1/4	43,850	1/4	28,819 28,506	1/4	13,862	1/4	739 562	1/4	1/4	1/4	1/4	
!		1/2	58,562 58,250	1/2	43,536 43,223	1/2		1/2	13,560	1/2	386	1/2	1/2	1/2	1/2	
_	73,278	3/4	58,250	3/4		3/4	28,193	3/4	13,258	3/4	300	3/4	3/4	3/4	3/4	
Ц	72,965	10	57,937	10	42,910	10	27,880	10	12,961	10		10	10	10	10	
	72,652	1/4	57,624	1/4	42,597	1/4	27,566	1/4	12,663	1/4		1/4	1/4	1/4	1/4	
2	72,338	1/2	57,311	1/2	42,284	1/2	27,253	1/2	12,365	1/2		1/2	1/2	1/2	1/2	
	72,025	3/4	56,998	3/4	41,971	3/4	26,940	3/4	12,067	3/4		3/4	3/4	3/4	3/4	
Ц	71,712	11	56,685	11	41,658	11	26,627	11	11,774	11		11	11	11	11	
1	71,399	1/4	56,372	1/4	41,344	1/4	26,314	1/4	11,480	1/4		1/4	1/4	1/4	1/4	
2	71,086	1/2	56,059	1/2	41,031	1/2	26,001	1/2	11,186	1/2		1/2	1/2	1/2	1/2	
1	70,773	3/4	55,746	3/4	40,718	3/4	25,688	3/4	10,892	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

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SHEET NO. 4 OF 12



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10"

APAC	ITIES GIVEN IN WHOLE	GAL	LONS														GAUGE	TEIGHT	15-10
IN	0 FT. IN	1	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	205,790	0	190,847	0	175,866	0	160,843	0	145,818	0	130,793	0	115,768	0	100,740
1/4	1/4	4		1/4	205,480	1/4	190,535	1/4	175,553	1/4	160,530	1/4	145,505	1/4	130,480	1/4	115,455	1/4	100,427
1/2	1/2	_		1/2	205,170	1/2	190,223	1/2	175,241	1/2	160,217	1/2	145,192	1/2	130,167	1/2	115,142	1/2	100,114
3/4	3/4			3/4	204,860	3/4	189,911	3/4	174,928	3/4	159,904	3/4	144,879	3/4	129,854	3/4	114,829	3/4	99,801
1	1	_		1	204,550	1	189,598	1	174,616	1	159,591	1	144,566	1	129,541	1	114,516	1	99,487
1/4	1/4	_		1/4	204,240	1/4	189,286	1/4	174,302	1/4	159,278	1/4	144,253	1/4	129,228	1/4	114,203	1/4	99,174
1/2	1/2			1/2	203,930	1/2	188,974	1/2	173,989	1/2	158,965	1/2	143,940	1/2	128,915	1/4	113,890	1/2	98,861
3/4	3/4	_		3/4	203,620	3/4	188,662	3/4	173,676	3/4	158,652	3/4	143,627	3/4	128,602	3/4	113,577	3/4	98,548
2	2	_		2	203,310	2	188,350	2	173,363	2	158,339	2	143,314	2	128,289	2	113,264	2	98,235
1/4	1/4	_		1/4	203,000	1/4	188,038	1/4	173,050	1/4	158,025	1/4	143,001	1/4	127,976	1/4	112,951	1/4	97,922
1/4	1/4	_		1/4	202,690	1/4	187,726	1/4	172,737	1/4	157,712	1/4	142,688	1/4	127,663	1/4	112,638	1/4	97,608
3/4	3/4	_		3/4	202,380	3/4	187,414	3/4	172,737	3/4	157,712	3/4	142,375	3/4	127,350	3/4	112,030	3/4	97,000
		_			202,360			_				-	142,373				112,012		96,982
3	3	_		3		3	187,102	3	172,111	3	157,086	3		3	127,037	3		3	
1/4	1/4	_		1/4	201,760	1/4	186,789	1/4	171,798	1/4	156,773	1/4	141,749	1/4	126,724	1/4	111,699	1/4	96,669
1/2	1/2			1/2	201,450	1/2	186,477	1/2	171,485	1/2	156,460	1/2	141,435	1/2	126,411	1/2	111,386	1/2	96,356
3/4	3/4	_		3/4	201,140	3/4	186,165	3/4	171,172	3/4	156,147	3/4	141,122	3/4	126,098	3/4	111,073	3/4	96,043
4	4	_		4	200,830	4	185,853	4	170,859	4	155,834	4	140,809	4	125,785	4	110,760	4	95,730
1/4	1/4	_		1/4	200,519	1/4	185,541	1/4	170,546	1/4	155,521	1/4	140,496	1/4	125,472	1/4	110,447	1/4	95,416
1/2	1/2	_		1/2	200,208	1/2	185,229	1/2	170,233	1/2	155,208	1/2	140,183	1/2	125,158	1/2	110,134	1/2	95,103
3/4	3/4	_		3/4	199,897	3/4	184,917	3/4	169,920	3/4	154,895	3/4	139,870	3/4	124,845	3/4	109,821	3/4	94,790
5	5			5	199,586	5	184,605	5	169,607	5	154,582	5	139,557	5	124,532	5	109,508	5	94,477
1/4	1/4	4		1/4	199,274	1/4	184,293	1/4	169,294	1/4	154,269	1/4	139,244	1/4	124,219	1/4	109,195	1/4	94,164
1/2	1/2	2		1/2	198,962	1/2	183,981	1/2	168,981	1/2	153,956	1/2	138,931	1/2	123,906	1/2	108,881	1/2	93,851
3/4	3/4	4		3/4	198,649	3/4	183,668	3/4	168,668	3/4	153,643	3/4	138,618	3/4	123,593	3/4	108,568	3/4	93,537
6	6	;		6	198,337	6	183,356	6	168,355	6	153,330	6	138,305	6	123,280	6	108,255	6	93,224
1/4	1/4	4		1/4	198,025	1/4	183,044	1/4	168,042	1/4	153,017	1/4	137,992	1/4	122,967	1/4	107,942	1/4	92,911
1/2	1/2	2		1/2	197,713	1/2	182,732	1/2	167,729	1/2	152,704	1/2	137,679	1/2	122,654	1/2	107,629	1/2	92,598
3/4	3/4	4		3/4	197,401	3/4	182,420	3/4	167,416	3/4	152,391	3/4	137,366	3/4	122,341	3/4	107,316	3/4	92,285
7	7		211,019	7	197,089	7	182,108	7	167,103	7	152,078	7	137,053	7	122,028	7	107,003	7	91,972
1/4	1/4	4	210,839	1/4	196,777	1/4	181,796	1/4	166,790	1/4	151,765	1/4	136,740	1/4	121,715	1/4	106,690	1/4	91,659
1/2	1/2	2	210,660	1/2	196,465	1/2	181,484	1/2	166,477	1/2	151,452	1/2	136,427	1/2	121,402	1/2	106,377	1/2	91,345
3/4	3/4	4	210,480	3/4	196,153	3/4	181,172	3/4	166,164	3/4	151,139	3/4	136,114	3/4	121,089	3/4	106,064	3/4	91,032
8	8		210,301	8	195,841	8	180,859	8	165,851	8	150,826	8	135,801	8	120,776	8	105,750	8	90,719
1/4	1/4	_	210,069	1/4	195,528	1/4	180,547	1/4	165,538	1/4	150,513	1/4	135,488	1/4	120,463	1/4	105,437	1/4	90,406
1/2	1/2	_	209,837	1/2	195,216	1/2	180,235	1/2	165,225	1/2	150,200	1/2	135,175	1/2	120,150	1/2	105,124	1/2	90,093
3/4	3/4		209,605	3/4	194,904	3/4	179,923	3/4	164,912	3/4	149,887	3/4	134,862	3/4	119,837	3/4	104,811	3/4	89,780
9	9	_	209,373	9	194,592	9	179,611	9	164,599	9	149,574	9	134,549	9	119,524	9	104,498	9	89,466
1/4	1/4	_	209,093	1/4	194,280	1/4	179,299	1/4	164,286	1/4	149,261	1/4	134,236	1/4	119,211	1/4	104,185	1/4	89,153
1/2	1/2	_	208,813	1/2	193,968	1/2	178,987	1/2	163,973	1/2	148,948	1/2	133,923	1/2	118,898	1/2	103,872	1/2	88,840
3/4	3/4	_	208,533	3/4	193,656	3/4	178,675	3/4	163,660	3/4	148,635	3/4	133,610	3/4	118,585	3/4	103,558	3/4	88,527
10	10	_	208,252	10	193,344	10	178,363	10	163,347	10	148,322	10	133,297	10	118,272	10	103,245	10	88,214
1/4		_	200,232	-	193,032		178,050	1/4	163,034	-	148,009	-	132,984	1/4	117,959	1/4	103,243	-	87,901
	1/4	_		1/4	193,032	1/4	177,738			1/4		1/4	132,964		117,646			1/4	87,588
1/2 3/4	1/2		207,641 207,335	1/2 3/4	192,719	1/2 3/4	177,738	1/2 3/4	162,721 162,408	1/2 3/4	147,696 147,383	1/2 3/4	132,871	1/2	117,646	1/2 3/4	102,619 102,306	1/2	87,274
		_		_										3/4				3/4	
11	11	_	207,029	11	192,095	11	177,114	11	162,095	11	147,070	11	132,045	11	117,020	11	101,993	11	86,961
1/4	1/4		206,719	1/4	191,783	1/4	176,802	1/4	161,782	1/4	146,757	1/4	131,732	1/4	116,707	1/4	101,679	1/4	86,648
1/2	1/2	_	206,410	1/2	191,471	1/2	176,490	1/2	161,469	1/2	146,444	1/2	131,419	1/2	116,394	1/2	101,366	1/2	86,335
3/4	3/4	4	206,100	3/4	191,159	3/4	176,178	3/4	161,156	3/4	146,131	3/4	131,106	3/4	116,081	3/4	101,053	3/4	86,022

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF 2" "HERMETIC" VALVE GAUGE POINT: (HERMETIC) LOCATED 10'-09" OFF CENTERLINE AND 43'-3" FORWARD OF AFT BULKHEAD

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The flearm



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-10"

	40 ET				12 FT.		13 FT.	18.1	14 FT.	100	15 FT.	IN 16 FT.	IN 17 FT.		L IILIGIII	19 FT.
IN	10 FT.	IN	11 FT.	IN	55,707	IN	40,719	IN	25,688	IN				IN 18 FT.		IS FI.
0	85,709	0	70,677	0		0		0		0	10,892	0	0	0	0	
1/4	85,395	1/4	70,364	1/4	55,397	1/4	40,406	1/4	25,375	1/4	10,602	1/4	1/4	1/4	1/4	
1/2	85,082	1/2	70,051	1/2	55,086	1/2	40,093	1/2	25,062	1/2	10,312	1/2	1/2	1/2	1/2	
3/4	84,769	3/4	69,738	3/4	54,775	3/4	39,780	3/4	24,749	3/4	10,022	3/4	3/4	3/4	3/4	
1	84,456	1	69,425	1	54,464	1	39,467	1	24,436	1	9,732	1	1	1	1	
1/4	84,143	1/4	69,111	1/4	54,154	1/4	39,154	1/4	24,123	1/4	9,446	1/4	1/4	1/4	1/4	
1/2	83,830	1/2	68,798	1/2	53,843	1/2	38,840	1/2	23,809	1/2	9,160	1/2	1/2	1/2	1/2	
3/4	83,517	3/4	68,485	3/4	53,532	3/4	38,527	3/4	23,496	3/4	8,874	3/4	3/4	3/4	3/4	
2	83,203	2	68,172	2	53,221	2	38,214	2	23,183	2	8,588	2	2	2	2	
1/4	82,890	1/4	67,859	1/4	52,910	1/4	37,901	1/4	22,870	1/4	8,305	1/4	1/4	1/4	1/4	
1/2	82,577	1/2	67,546	1/2	52,599	1/2	37,588	1/2	22,557	1/2	8,023	1/2	1/2	1/2	1/2	
3/4	82,264	3/4	67,232	3/4	52,288	3/4	37,275	3/4	22,244	3/4	7,741	3/4	3/4	3/4	3/4	
3	81,951	3	66,919	3	51,977	3	36,962	3	21,931	3	7,459	3	3	3	3	
1/4	81,638	1/4	66,606	1/4	51,666	1/4	36,648	1/4	21,617	1/4	7,180	1/4	1/4	1/4	1/4	
1/2	81,324	1/2	66,293	1/2	51,354	1/2	36,335	1/2	21,304	1/2	6,902	1/2	1/2	1/2	1/2	
3/4	81,011	3/4	65,980	3/4	51,043	3/4	36,022	3/4	20,991	3/4	6,623	3/4	3/4	3/4	3/4	
4	80,698	4	65,667	4	50,731	4	35,709	4	20,678	4	6,345	4	4	4	4	
1/4	80,385	1/4	65,354	1/4	50,420	1/4	35,396	1/4	20,365	1/4	6,070	1/4	1/4	1/4	1/4	
1/2	80,072	1/2	65,041	1/2	50,108	1/2	35,083	1/2	20,052	1/2	5,796	1/2	1/2	1/2	1/2	
3/4	79,759	3/4	64,728	3/4	49,796	3/4	34,770	3/4	19,739	3/4	5,521	3/4	3/4	3/4	3/4	
5	79,446	5	64,415	5	49,484	5	34,456	5	19,425	5	5,246	5	5	5	5	
1/4	79,132	1/4	64,103	1/4	49,172	1/4	34,143	1/4	19,112	1/4	4,976	1/4	1/4	1/4	1/4	
1/2	78,819	1/2	63,791	1/2	48,860	1/2	33,830	1/2	18,799	1/2	4,705	1/2	1/2	1/2	1/2	
3/4	78,506	3/4	63,479	3/4	48,547	3/4	33,517	3/4	18,486	3/4	4,434	3/4	3/4	3/4	3/4	
6	78,193	6	63,167	6	48,235	6	33,204	6	18,173	6	4,164	6	6	6	6	
1/4	77,880	1/4	62,856	1/4	47,922	1/4	32,891	1/4	17,861	1/4	3,897	1/4	1/4	1/4	1/4	
1/2	77,567	1/2	62,545	1/2	47,608	1/2	32,577	1/2	17,548	1/2	3,630	1/2	1/2	1/2	1/2	
3/4	77,253	3/4	62,234	3/4	47,295	3/4	32,264	3/4	17,236	3/4	3,364	3/4	3/4	3/4	3/4	
7	76,940	7	61,923	7	46,982	7	31,951	7	16,924	7	3,097	7	7	7	7	
1/4	76,627	1/4	61,613	1/4	46,669	1/4	31,638	1/4	16,615	1/4	2,835	1/4	1/4	1/4	1/4	
1/2	76,314	1/2	61,302	1/2	46,356	1/2	31,325	1/2	16,306	1/2	2,573	1/2	1/2	1/2	1/2	
3/4	76,001	3/4	60,991	3/4	46,043	3/4	31,012	3/4	15,996	3/4	2,311	3/4	3/4	3/4	3/4	
8	75,688	8	60,680	8	45,730	8	30,699	8	15,687	8	2,049	8	8	8	8	
1/4	75,374	1/4	60,369	1/4	45,416	1/4	30,385	1/4	15,381	1/4	1,810	1/4	1/4	1/4	1/4	
1/2	75,061	1/2	60,058	1/2	45,103	1/2	30,072	1/2	15,076	1/2	1,571	1/2	1/2	1/2	1/2	
3/4	74,748	3/4	59,748	3/4	44,790	3/4	29,759	3/4	14,771	3/4	1,332	3/4	3/4	3/4	3/4	
9	74,435	9	59,437	9	44,477	9	29,446	9	14,465	9	1,094	9	9	9	9	
1/4	74,122	1/4	59,126	1/4	44,164	1/4	29,133	1/4	14,164	1/4	917	1/4	1/4	1/4	1/4	
1/2	73,809	1/2	58,815	1/2	43,851	1/2	28,820	1/2	13,862	1/2	740	1/2	1/2	1/2	1/2	
3/4	73,496	3/4	58,505	3/4	43,538	3/4	28,507	3/4	13,560	3/4	563	3/4	3/4	3/4	3/4	
10	73,182	10	58,194	10	43,224	10	28,193	10	13,259	10	386	10	10	10	10	
1/4	72,869	1/4	57,883	1/4	42,911	1/4	27,880	1/4	12,961	1/4	=	1/4	1/4	1/4	1/4	
1/2	72,556	1/2	57,572	1/2	42,598	1/2	27,567	1/2	12,663	1/2		1/2	1/2	1/2	1/2	
3/4	72,243	3/4	57,261	3/4	42,285	3/4	27,254	3/4	12,366	3/4		3/4	3/4	3/4	3/4	
11	71,930	11	56,951	11	41,972	11	26,941	11	12,068	11		11	11	11	11	
1/4	71,617	1/4	56,640	1/4	41,659	1/4	26,628	1/4	11,774	1/4		1/4	1/4	1/4	1/4	
1/2	71,303	1/2	56,329	1/2	41,346	1/2	26,315	1/2	11,480	1/2		1/2	1/2	1/2	1/2	
3/4	70,990	3/4	56,018	3/4	41,032	3/4	26,001	3/4	11,186	3/4		3/4	3/4	3/4	3/4	
3/4	. 0,000	J/ T	30,0.0	3/7	,	5/7	_0,00.	5/7	,	J) T		· ·	CERTIFIED	CHART FOR THE		

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The Acame



STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

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

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The fleamer



PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 5'-11 1/2"

CAPACITIES GIVEN IN W															GAUGE REIGI	
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	
0	0		0	4,667	0	3,512	0	2,358	0	1,203	0		0	0	0	
1/4	1/4		1/4	4,643	1/4	3,488	1/4	2,334	1/4	1,179	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,619	1/2	3,464	1/2	2,310	1/2	1,155	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,594	3/4	3,439	3/4	2,286	3/4	1,131	3/4		3/4	3/4	3/4	
1	1		1	4,570	1	3,415	1	2,262	1	1,107	1		1	1	1	
1/4	1/4		1/4	4,546	1/4	3,391	1/4	2,238	1/4	1,083	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,522	1/2	3,367	1/2	2,214	1/2	1,059	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,498	3/4	3,343	3/4	2,189	3/4	1,035	3/4		3/4	3/4	3/4	
2	2		2	4,474	2	3,319	2	2,165	2	1,011	2		2	2	2	
1/4	1/4		1/4	4,450	1/4	3,295	1/4	2,141	1/4	987	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,426	1/2	3,271	1/2	2,117	1/2	962	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,402	3/4	3,247	3/4	2,093	3/4	938	3/4		3/4	3/4	3/4	
3	3		3	4,378	3	3,223	3	2,069	3	914	3		3	3	3	
1/4	1/4		1/4	4,354	1/4	3,199	1/4	2,045	1/4	890	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,330	1/2	3,175	1/2	2,021	1/2	866	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,306	3/4	3,151	3/4	1,997	3/4	842	3/4		3/4	3/4	3/4	
4	4		4	4,282	4	3,127	4	1,973	4	818	4		4	4	4	
1/4	1/4		1/4	4,258	1/4	3,103	1/4	1,949	1/4	794	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,234	1/2	3,078	1/2	1,925	1/2	770	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,209	3/4	3,054	3/4	1,901	3/4	746	3/4		3/4	3/4	3/4	
5	5		5	4,185	5	3,030	5	1,877	5	722	5		5	5	5	
1/4	1/4		1/4	4,161	1/4	3,006	1/4	1,853	1/4	698	1/4		1/4	1/4	1/4	
1/2	1/2		1/2	4,137	1/2	2,982	1/2	1,829	1/2	674	1/2		1/2	1/2	1/2	
3/4	3/4		3/4	4,113	3/4	2,958	3/4	1,804	3/4	650	3/4		3/4	3/4	3/4	
6	6		6	4,089	6	2,934	6	1,780	6	626	6		6	6	6	1
1/4	1/4		1/4	4,065	1/4	2,910	1/4	1,756	1/4	602	1/4		1/4	1/4	1/4	
1/2	1/2	5,140	1/2	4,041	1/2	2,886	1/2	1,732	1/2	577	1/2		1/2	1/2	1/2	
3/4	3/4	5,128	3/4	4,017	3/4	2,862	3/4	1,708	3/4	553	3/4		3/4	3/4	3/4	
7	7	5,117	7	3,993	7	2,838	7	1,684	7	529	7		7	7	7	
1/4	1/4	5,105	1/4	3,969	1/4	2,814	1/4	1,660	1/4	505	1/4		1/4	1/4	1/4	
1/2	1/2	5,093	1/2	3,945	1/2	2,790	1/2	1,636	1/2	481	1/2		1/2	1/2	1/2	
3/4	3/4	5,070	3/4	3,921	3/4	2,766	3/4	1,612	3/4	457	3/4		3/4	3/4	3/4	
8	8	5,046	8	3,897	8	2,742	8	1,588	8	433	8		8	8	8	
1/4	1/4	5,023	1/4	3,873	1/4	2,718	1/4	1,564	1/4	409	1/4		1/4	1/4	1/4	
1/2	1/2	4,999	1/2	3,849	1/4	2,693	1/2	1,540	1/2	385	1/4		1/2	1/2	1/2	
3/4	3/4	4,975	3/4	3,824	3/4	2,669	3/4	1,516	3/4	361	3/4		3/4	3/4	3/4	
9	9	4,952	9	3,800	9	2,645	9	1,492	9	337	9		9	9	9	
1/4	1/4	4,928	1/4	3,776	1/4	2,621	1/4	1,468	1/4	313	1/4		1/4	1/4	1/4	
1/2	1/2	4,904	1/2	3,752	1/4	2,597	1/2	1,444	1/4	289	1/2		1/2	1/4	1/4	
3/4	3/4	4,881	3/4	3,728	3/4	2,573	3/4	1,419	3/4	265	3/4		3/4	3/4	3/4	
10	10	4,857	10	3,726	10	2,550	10	1,395	10	241	10		10	10	10	
1/4	1/4	4,833	1/4	3,680	1/4	2,526	1/4	1,371	1/4	217	1/4		1/4	1/4	1/4	_
		4,810		3,656		2,520	_	1,347		192	_					
1/2 3/4	1/2 3/4	4,810	1/2 3/4	3,632	1/2 3/4	2,502	1/2 3/4	1,347	1/2 3/4	168	1/2 3/4		1/2 3/4	1/2	1/2	
										144						
11	11	4,762	11	3,608	11	2,454	11	1,299	11		11		11	11	11	
1/4	1/4	4,739	1/4	3,584	1/4	2,430	1/4	1,275	1/4	120	1/4		1/4	1/4	1/4	
1/2	1/2	4,715	1/2	3,560	1/2	2,406	1/2	1,251	1/2	96	1/2		1/2	1/2	1/2	
3/4	3/4	4,691	3/4	3,536	3/4	2,382	3/4	1,227	1/4		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 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" HERMETIC VALVE

STRAPPED: 11/12/2015 SW CALCULATED: 11/12/2015 CL PRINTED: 11/13/2015 JS

CANCELS AND SUPERCEDES ALL PRIOR TO 11/2015 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The fleamer



FUEL TANK ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 4'-05 1/2"

0 1/4 1/2 3/4 1 1 1/4 1/2 2 1/4 1/4 1/2 3/4 3 3 1/4 1/4 1/2 3/4 4 1/4 1/2 1/4 1/4 1/4 1/2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	FT.	IN 0 1/4 1/2 3/4 1 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4 1/4 1/4	1 FT. 473 471 469 466 464 461 459 456 453 451 448 4445 443 440 437 434	IN 0 1/4 1/2 3/4 1 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 1/2 3/4 3 3 1/4 1/2 3/4 1/2 3/4	2 FT. 332 329 325 322 319 315 312 309 305 302 298 295 292 288 285	IN 0 1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2	3 FT. 170 167 163 160 157 154 150 147 144 141 138 134 131	IN 0 1/4 1/2 3/4 1 1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 3	4 FT. 33 31 28 26 24 22 21 19 17 15 13 12	IN 0 1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4	5 FT. IN 0 1/4 1/2 3/4 1 1/4 1/2 3/4 1 1/4 1/2 3/4 1/2 1/2	6 FT. IN 0 1/4 1/2 3/4 1 1/2 3/4 2 1/4 1/2 3/4	7 FT. IN 0 1/4 1/2 3/4 1 1/4 1/2 3/4 1/4 1/2 1/4 1/2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	8 FT. IN 0 1/4 1/2 3/4 1 1/2 3/4 2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4	9 FT.
1/4 1/2 3/4 1 1/4 1/7 1/4 1/7 2 1/4 1/7 1/4 1/7 1/7 3/4 3 1/4 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7 1/7		1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4 1/2 3/4 4	471 469 466 464 461 459 456 453 451 448 445 443 440 437	1/4 1/2 3/4 1 1/4 1/2 3/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4 1/2	329 325 322 319 315 312 309 305 302 298 295 292 288 285	1/4 1/2 3/4 1 1 1/4 1/2 3/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4	167 163 160 157 154 150 147 144 141 138 134	1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4	31 28 26 24 22 21 19 17 15 13	1/4 1/2 3/4 1 1/4 1/2 3/4 1/2 3/4 2 1/4 1/2	1/4 1/2 3/4 1 1 1/4 1/2 3/4 2 1/4 1/2 3/4	1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4	1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4	1/4 1/2 3/4 1 1/4 1/2 3/4 2 1/4	
1/2 3/4 1 1/4 1/2 3/4 2 2 1/4 1/2 3/4 3 3 1/4 1/2 3/4 4 1/4 1/2 3/4 4		1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	469 466 464 461 459 456 453 451 448 445 443 440 437 434	1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 1/2 3/4 1/2	325 322 319 315 312 309 305 302 298 295 292 288 285	1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4	163 160 157 154 150 147 144 141 138 134	1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4	28 26 24 22 21 19 17 15 13	1/2 3/4 1 1/4 1/2 3/4 2 1/4 1/2	1/2 3/4 1 1/4 1/2 3/4 2 1/4	1/2 3/4 1 1/4 1/2 3/4 2	1/2 3/4 1 1/4 1/2 3/4 2 1/4	1/2 3/4 1 1/4 1/2 3/4 2 1/4	
3/4 1 1/1/4 1/2 3/4 2 2 1/1/4 1/2 3/4 3 3 1/4 4 1/2 1/2 1/4 1/2 1/4 1/2		3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	466 464 461 459 456 453 451 448 445 443 440 437 434	3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2	322 319 315 312 309 305 302 298 295 292 288 285	3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4	160 157 154 150 147 144 141 138 134	3/4 1 1/4 1/2 3/4 2 1/4 1/2 3/4 2 1/4 1/2 3/4	26 24 22 21 19 17 15 13	3/4 1 1/4 1/2 3/4 2 1/4 1/2	3/4 1 1/4 1/2 3/4 2 1/4	3/4 1 1/4 1/2 3/4 2 1/4	3/4 1 1/4 1/2 3/4 2 1/4	3/4 1 1/4 1/2 3/4 2 1/4	
1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 3 1 1/4 1/2 1/4 1/4 1/2 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4		1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	464 461 459 456 453 451 448 445 443 440 437 434	1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2	319 315 312 309 305 302 298 295 295 292 288 285	1 1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4	157 154 150 147 144 141 138 134	1 1/4 1/2 3/4 2 1/4 1/2 3/4	24 22 21 19 17 15 13	1 1/4 1/2 3/4 2 1/4 1/2	1 1/4 1/2 3/4 2 1/4	1 1/4 1/2 3/4 2 1/4	1 1/4 1/2 3/4 2 1/4	1 1/4 1/2 3/4 2 1/4	
1/4 1/2 3/4 2 1/4 1/2 3/4 3 1 1/4 1/2 3/4 4 1/4		1/4 1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	461 459 456 453 451 448 445 443 440 437 434	1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4 1/2	315 312 309 305 302 298 295 292 288 285	1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4 3 1/4	154 150 147 144 141 138 134 131	1/4 1/2 3/4 2 1/4 1/2 3/4 1/2 3/4	22 21 19 17 15 13	1/4 1/2 3/4 2 1/4 1/2	1/4 1/2 3/4 2 1/4	1/4 1/2 3/4 2 1/4	1/4 1/2 3/4 2 1/4	1/4 1/2 3/4 2 1/4	
1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 4 1/4 1/2		1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	459 456 453 451 448 445 443 440 437 434	1/2 3/4 2 1/4 1/2 3/4 3 1/4 1/2	312 309 305 302 298 295 292 288 285	1/2 3/4 2 1/4 1/2 3/4 3 1/4	150 147 144 141 138 134 131	1/2 3/4 2 1/4 1/2 3/4	21 19 17 15 13	1/2 3/4 2 1/4 1/2	1/2 3/4 2 1/4	1/2 3/4 2 1/4	1/2 3/4 2 1/4	1/2 3/4 2 1/4	
3/4 2 11/4 11/2 3/4 3 11/4 11/2 3/3/4 4 11/4		3/4 2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	456 453 451 448 445 443 440 437 434	3/4 2 1/4 1/2 3/4 3 1/4 1/2	309 305 302 298 295 292 288 285	3/4 2 1/4 1/2 3/4 3 1/4	147 144 141 138 134 131	3/4 2 1/4 1/2 3/4	19 17 15 13	3/4 2 1/4 1/2	3/4 2 1/4	3/4 2 1/4	3/4 2 1/4	3/4 2 1/4	
2 1/4 1/2 3/4 3 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4 1/4		2 1/4 1/2 3/4 3 1/4 1/2 3/4 4	453 451 448 445 443 440 437 434	2 1/4 1/2 3/4 3 1/4 1/2	305 302 298 295 292 288 285	2 1/4 1/2 3/4 3 1/4	144 141 138 134 131	1/4 1/2 3/4	17 15 13 12	1/4 1/2	2 1/4	2 1/4	2 1/4	2 1/4	
1/4 1/2 3/4 3 1/4 1/2 1/2 1/4 1/2 1/4 1/4 1/4 1/4		1/4 1/2 3/4 3 1/4 1/2 3/4 4	451 448 445 443 440 437 434	1/4 1/2 3/4 3 1/4 1/2	302 298 295 292 288 285	1/4 1/2 3/4 3 1/4	141 138 134 131	1/4 1/2 3/4	15 13 12	1/4	1/4	1/4	1/4	1/4	
1/2 3/4 3 1/4 1/2 1/2 4 1/4 1/4		1/2 3/4 3 1/4 1/2 3/4 4	448 445 443 440 437 434	1/2 3/4 3 1/4 1/2	298 295 292 288 285	1/2 3/4 3 1/4	138 134 131	1/2 3/4	13 12	1/2					
3/4 3 1/4 1/2 3/4 4 1/4 1/2		3/4 3 1/4 1/2 3/4 4	445 443 440 437 434	3/4 3 1/4 1/2	295 292 288 285	3/4 3 1/4	134 131	3/4	12		1/2	410	4.00		
3 1/4 1/2 3/4 4 1/1/2 1/		3 1/4 1/2 3/4 4	443 440 437 434	3 1/4 1/2	292 288 285	3 1/4	131			0/4	1/2	1/2	1/2	1/2	
1/4 1/2 3/4 4 1/4		1/4 1/2 3/4 4	440 437 434	1/4	288 285	1/4		3	10	3/4	3/4	3/4	3/4	3/4	
1/2 3/4 4 1/4 1/2		1/2 3/4 4	437 434	1/2	285		128			3	3	3	3	3	
3/4 4 1/4 1/2		3/4 4	434			4/0	120	1/4	9	1/4	1/4	1/4	1/4	1/4	
4 1/4 1/2		4		3/4	004	1/2	125	1/2	7	1/2	1/2	1/2	1/2	1/2	
1/4		_	432		281	3/4	122	3/4	6	3/4	3/4	3/4	3/4	3/4	
1/2		1/4		4	278	4	119	4	5	4	4	4	4	4	
			429	1/4	275	1/4	116	1/4	4	1/4	1/4	1/4	1/4	1/4	
		1/2	426	1/2	271	1/2	113	1/2	3	1/2	1/2	1/2	1/2	1/2	
3/4		3/4	423	3/4	268	3/4	110	3/4	2	3/4	3/4	3/4	3/4	3/4	
5		5	420	5	264	5	107	5	1	5	5	5	5	5	
1/4		1/4	417	1/4	261	1/4	104	1/4	1	1/4	1/4	1/4	1/4	1/4	
1/2 5	515	1/2	414	1/2	258	1/2	101	1/2	0	1/2	1/2	1/2	1/2	1/2	
3/4 5	514	3/4	411	3/4	254	3/4	98	1/2		3/4	3/4	3/4	3/4	3/4	
6 5	514	6	408	6	251	6	95	6		6	6	6	6	6	
1/4 5	513	1/4	405	1/4	247	1/4	92	1/4		1/4	1/4	1/4	1/4	1/4	
1/2 5	512	1/2	402	1/2	244	1/2	89	1/2		1/2	1/2	1/2	1/2	1/2	
3/4 5	511	3/4	399	3/4	240	3/4	86	3/4		3/4	3/4	3/4	3/4	3/4	
7 5	510	7	396	7	237	7	83	7		7	7	7	7	7	
1/4 5	509	1/4	393	1/4	234	1/4	81	1/4		1/4	1/4	1/4	1/4	1/4	
1/2 50	508	1/2	390	1/2	230	1/2	78	1/2		1/2	1/2	1/2	1/2	1/2	
3/4 50	506	3/4	387	3/4	227	3/4	75	3/4		3/4	3/4	3/4	3/4	3/4	
8 5	505	8	384	8	223	8	72	8		8	8	8	8	8	
1/4 50	503	1/4	381	1/4	220	1/4	70	1/4		1/4	1/4	1/4	1/4	1/4	
1/2 5	502	1/2	378	1/2	217	1/2	67	1/2		1/2	1/2	1/2	1/2	1/2	
3/4 50	500	3/4	374	3/4	213	3/4	64	3/4		3/4	3/4	3/4	3/4	3/4	
9 49	498	9	371	9	210	9	62	9		9	9	9	9	9	
1/4 49	496	1/4	368	1/4	207	1/4	59	1/4		1/4	1/4	1/4	1/4	1/4	
1/2 49	495	1/2	365	1/2	203	1/2	56	1/2		1/2	1/2	1/2	1/2	1/2	
3/4 49	493	3/4	362	3/4	200	3/4	54	3/4		3/4	3/4	3/4	3/4	3/4	
10 4	491	10	358	10	196	10	51	10		10	10	10	10	10	
1/4 4	489	1/4	355	1/4	193	1/4	49	1/4		1/4	1/4	1/4	1/4	1/4	
1/2 4	487	1/2	352	1/2	190	1/2	47	1/2		1/2	1/2	1/2	1/2	1/2	
3/4 4	484	3/4	349	3/4	186	3/4	44	3/4		3/4	3/4	3/4	3/4	3/4	
11 4	482	11	345	11	183	11	42	11		11	11	11	11	11	
1/4 4	480	1/4	342	1/4	180	1/4	39	1/4		1/4	1/4	1/4	1/4	1/4	
	478	1/2	339	1/2	176	1/2	37	1/2		1/2	1/2	1/2	1/2	1/2	
	476	3/4	335	3/4	173	3/4	35	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 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP OF 2" DIAMETER PIPE

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The farm