

ULLAGE TRIM TABLE

	1	FT.	2 I	FT.	3	FT.	4	FT.	5	FT.	6	FT.
	<u>BOW</u>	<u>STERN</u>	BOW	<u>STERN</u>	BOW	STERN	BOW	STERN	BOW	STERN	<u>BOW</u>	STERN
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	00-0/8	- 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 = 4'-00"

DIFF. = 3'-00'' (DOWN BY STERN)

THE CORRECTION FOR 3'-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"

February 21, 2012

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

http://www.pmacorp.net



1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

CVI	ICE	HFIGHT	15'-11"

4	0 FT.	IN O	1 FT.	IN 0	2 FT. 206,401	IN O	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
4		0		0	206 401	_	404 540	$\overline{}$		$\overline{}$									
				~	200,701	0	191,513	0	176,577	0	161,603	0	146,624	0	131,645	0	116,665	0	101,684
		1/4		1/4	206,092	1/4	191,202	1/4	176,266	1/4	161,291	1/4	146,312	1/4	131,333	1/4	116,353	1/4	101,371
		1/2		1/2	205,784	1/2	190,890	1/2	175,955	1/2	160,979	1/2	146,000	1/2	131,020	1/2	116,041	1/2	101,059
4		3/4		3/4	205,475	3/4	190,579	3/4	175,644	3/4	160,667	3/4	145,688	3/4	130,708	3/4	115,729	3/4	100,747
		1		1	205,166	1	190,268	1	175,332	1	160,355	1	145,376	1	130,396	1	115,417	1	100,435
4		1/4		1/4	204,857	1/4	189,957	1/4	175,021	1/4	160,043	1/4	145,064	1/4	130,084	1/4	115,105	1/4	100,122
		1/2		1/2	204,548	1/4	189,646	1/4	174,709	1/4	159,731	1/2	144,751	1/4	129,772	1/2	114,793	1/2	99,810
2					204,348		189,335		174,709		159,731		144,731		129,772		114,793		99,498
4		3/4 2		3/4 2		3/4		3/4		3/4		3/4		3/4		3/4		3/4	
_		-		_	203,930	2	189,023	2	174,086	2	159,107	2	144,127	2	129,148	2	114,169	2	99,186
4		1/4		1/4	203,621	1/4	188,712	1/4	173,774	1/4	158,795	1/4	143,815	1/4	128,836	1/4	113,857	1/4	98,874
2		1/2		1/2	203,312	1/2	188,401	1/2	173,462	1/2	158,483	1/2	143,503	1/2	128,524	1/2	113,545	1/2	98,561
4		3/4		3/4	203,002	3/4	188,090	3/4	173,150	3/4	158,170	3/4	143,191	3/4	128,212	3/4	113,233	3/4	98,249
1		3		3	202,693	3	187,779	3	172,838	3	157,858	3	142,879	3	127,900	3	112,920	3	97,937
4		1/4		1/4	202,384	1/4	187,468	1/4	172,526	1/4	157,546	1/4	142,567	1/4	127,588	1/4	112,608	1/4	97,625
2		1/2		1/2	202,075	1/2	187,156	1/2	172,214	1/2	157,234	1/2	142,255	1/2	127,276	1/2	112,296	1/2	97,313
4		3/4		3/4	201,766	3/4	186,845	3/4	171,902	3/4	156,922	3/4	141,943	3/4	126,964	3/4	111,984	3/4	97,000
1		4		4	201,457	4	186,534	4	171,589	4	156,610	4	141,631	4	126,651	4	111,672	4	96,688
4		1/4		1/4	201,148	1/4	186,223	1/4	171,277	1/4	156,298	1/4	141,319	1/4	126,339	1/4	111,360	1/4	96,376
2		1/2		1/2	200,839	1/2	185,912	1/2	170,965	1/2	155,986	1/2	141,007	1/2	126,027	1/2	111,048	1/2	96,064
4		3/4		3/4	200,530	3/4	185,601	3/4	170,653	3/4	155,674	3/4	140,695	3/4	125,715	3/4	110,736	3/4	95,752
i		5		5	200,221	5	185,290	5	170,341	5	155,362	5	140,383	5	125,403	5	110,424	5	95,439
4		1/4		1/4	199,911	1/4	184,978	1/4	170,029	1/4	155,050	1/4	140,070	1/4	125,091	1/4	110,112	1/4	95,127
2		1/2		1/2	199,601	1/2	184,667	1/2	169,717	1/2	154,738	1/2	139,758	1/2	124,779	1/2	109,800	1/2	94,815
4		3/4		3/4	199,291	3/4	184,356	3/4	169,405	3/4	154,426	3/4	139,446	3/4	124,467	3/4	109,488	3/4	94,503
;		6		6	198,981	6	184,045	6	169,093	6	154,114	6	139,134	6	124,155	6	109,176	6	94,191
4		1/4		1/4	198,669	1/4	183,734	1/4	168,781	1/4	153,801	1/4	138,822	1/4	123,843	1/4	108,864	1/4	93,878
					198,358		183,423		168,469		153,489		138,510	1/4	123,531		108,551		93,566
2		1/2 3/4		1/2 3/4	198,047	1/2 3/4	183,111	1/2	168,469	1/2 3/4	153,469	1/2 3/4	138,198	3/4	123,219	1/2 3/4	108,331	1/2 3/4	93,254
4		3/4 7		3/4 7		3/4 7		3/4 7		7				3/4 7				7	93,234
_		-		_	197,736		182,800	-	167,845	-	152,865	7	137,886	-	122,907	7	107,927	-	
4		1/4		1/4	197,425	1/4	182,489	1/4	167,533	1/4	152,553	1/4	137,574	1/4	122,595	1/4	107,615	1/4	92,630
2		1/2		1/2	197,114	1/2	182,178	1/2	167,220	1/2	152,241	1/2	137,262	1/2	122,283	1/2	107,303	1/2	92,317
4		3/4		3/4	196,802	3/4	181,867	3/4	166,908	3/4	151,929	3/4	136,950	3/4	121,970	3/4	106,991	3/4	92,005
3		8	210,379	8	196,491	8	181,556	8	166,596	8	151,617	8	136,638	8	121,658	8	106,679	8	91,693
4		1/4		1/4	196,180	1/4	181,244	1/4	166,284	1/4	151,305	1/4	136,326	1/4	121,346	1/4	106,367	1/4	91,381
2		1/2	·	1/2	195,869	1/2	180,933	1/2	165,972	1/2	150,993	1/2	136,014	1/2	121,034	1/2	106,054	1/2	91,069
4		3/4		3/4	195,558	3/4	180,622	3/4	165,660	3/4	150,681	3/4	135,701	3/4	120,722	3/4	105,742	3/4	90,756
)		9	209,663	9	195,247	9	180,311	9	165,348	9	150,369	9	135,389	9	120,410	9	105,430	9	90,444
4		1/4	209,432	1/4	194,935	1/4	180,000	1/4	165,036	1/4	150,057	1/4	135,077	1/4	120,098	1/4	105,118	1/4	90,132
2		1/2	209,201	1/2	194,624	1/2	179,689	1/2	164,724	1/2	149,745	1/2	134,765	1/2	119,786	1/2	104,806	1/2	89,820
4		3/4	208,969	3/4	194,313	3/4	179,378	3/4	164,412	3/4	149,433	3/4	134,453	3/4	119,474	3/4	104,493	3/4	89,508
0		10	208,738	10	194,002	10	179,066	10	164,100	10	149,120	10	134,141	10	119,162	10	104,181	10	89,195
4		1/4		1/4	193,691	1/4	178,755	1/4	163,788	1/4	148.808	1/4	133,829	1/4	118,850	1/4	103,869	1/4	88,883
2		1/2		1/2	193,380	1/2	178,444	1/2	163,476	1/2	148,496	1/2	133,517	1/2	118,538	1/2	103,557	1/2	88,571
4		3/4		3/4	193,068	3/4	178,133	3/4	163,164	3/4	148,184	3/4	133,205	3/4	118,226	3/4	103,245	3/4	88,259
1		11		11	192,757	11	177,822	11	162,852	11	147,872	11	132,893	11	117,914	11	102,932	11	87,947
_		1/4		_	192,737		177,511	1/4	162,539	1/4	147,572	+	132,581	1/4	117,601	1/4	102,932	1/4	87,634
. 1		1/4		1/4	,	1/4		-	•			1/4			117,001		102,820		87,322
4			207 044		402 42F														
2		1/2 3/4		1/2 3/4	192,135 191,824	1/2 3/4	177,199 176,888	1/2 3/4	162,227 161,915	1/2 3/4	147,248 146,936	1/2 3/4	132,269 131,957	1/2 3/4	116,977	1/2 3/4	102,306	1/2 3/4	87,010

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

The fame



1 PORT ULLAGE TABLE

GAUGE HEIGHT 15'-11"

APACI	TIES GIVEN IN WHO	OLE GALLO													GAUGE HEIGH	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. ℕ	17 FT. ℕ	18 FT. ℕ	19 FT.
0	86,698	0	71,712	0	56,778	0	41,845	0	26,860	0	12,032	0	0	0	0	
4	86,386	1/4	71,400	1/4	56,468	1/4	41,533	1/4	26,547	1/4	11,739	1/4	1/4	1/4	1/4	
2	86,073	1/2	71,087	1/2	56,159	1/2	41,220	1/2	26,235	1/2	11,446	1/2	1/2	1/2	1/2	
	85,761	3/4	70,775	3/4	55,849	3/4	40,908	3/4	25,923	3/4	11,153	3/4	3/4	3/4	3/4	
T	85,449	1	70,463	1	55,539	1	40,596	1	25,611	1	10.860	1	1	1	1	
	85,137	1/4	70,151	1/4	55,229	1/4	40,284	1/4	25,299	1/4	10,571	1/4	1/4	1/4	1/4	
2	84,824	1/2	69,839	1/2	54,919	1/2	39,972	1/2	24,986	1/2	10,282	1/2	1/2	1/2	1/2	
4	84,512	3/4	69,526	3/4	54,609	3/4	39,660	3/4	24,674	3/4	9,992	3/4	3/4	3/4	3/4	
+	84,200	2	69,214	2	54,299	2	39,347	2	24,362	2	9,703	2	2	2	2	
	83,888	1/4	68,902	1/4	53,990	1/4	39,035	1/4	24,050	1/4	9,418	1/4	1/4	1/4	1/4	
	83,576	1/2	68,590	1/2	53,680	1/2	38,723	1/2	23,738	1/2	9,133	1/2	1/2	1/4	1/2	
!	83,263	3/4	68,278	3/4	53,370	3/4	38,411	3/4	23,425	3/4	8.847	3/4	3/4	3/4	3/4	
_	82,951	3/4	67,965	3/4	53,060		38,099	3/4		3/4	8,562	3/4	3/4	3/4	3/4	
4		-		\leftarrow		3		\vdash	23,113	+		-				
	82,639	1/4	67,653	1/4	52,750	1/4	37,786	1/4	22,801	1/4	8,281	1/4	1/4	1/4	1/4	
-	82,327	1/2	67,341	1/2	52,440	1/2	37,474	1/2	22,489	1/2	7,999	1/2	1/2	1/2	1/2	
4	82,015	3/4	67,029	3/4	52,130	3/4	37,162	3/4	22,177	3/4	7,718	3/4	3/4	3/4	3/4	
4	81,702	4	66,717	4	51,820	4	36,850	4	21,864	4	7,436	4	4	4	4	
	81,390	1/4	66,404	1/4	51,509	1/4	36,538	1/4	21,552	1/4	7,159	1/4	1/4	1/4	1/4	
	81,078	1/2	66,092	1/2	51,199	1/2	36,225	1/2	21,240	1/2	6,881	1/2	1/2	1/2	1/2	
	80,766	3/4	65,780	3/4	50,888	3/4	35,913	3/4	20,928	3/4	6,603	3/4	3/4	3/4	3/4	
	80,454	5	65,468	5	50,578	5	35,601	5	20,616	5	6,326	5	5	5	5	
T	80,141	1/4	65,156	1/4	50,267	1/4	35,289	1/4	20,303	1/4	6,052	1/4	1/4	1/4	1/4	
	79,829	1/2	64,844	1/2	49,956	1/2	34,977	1/2	19,991	1/2	5,778	1/2	1/2	1/2	1/2	
	79,517	3/4	64,532	3/4	49,645	3/4	34,664	3/4	19,679	3/4	5,505	3/4	3/4	3/4	3/4	
T	79,205	6	64,220	6	49,335	6	34,352	6	19,367	6	5,231	6	6	6	6	
	78,893	1/4	63,909	1/4	49,023	1/4	34,040	1/4	19,055	1/4	4,961	1/4	1/4	1/4	1/4	
	78,580	1/2	63,598	1/2	48,712	1/2	33,728	1/2	18,742	1/2	4,691	1/2	1/2	1/2	1/2	
	78,268	3/4	63,287	3/4	48,400	3/4	33,416	3/4	18,430	3/4	4,421	3/4	3/4	3/4	3/4	
7	77,956	7	62,976	7	48,089	7	33,103	7	18,118	7	4,151	7	7	7	7	
1	77,644	1/4	62,666	1/4	47,777	1/4	32,791	1/4	17,807	1/4	3.885	1/4	1/4	1/4	1/4	
	77,332	1/2	62,356	1/2	47,464	1/2	32,479	1/2	17,496	1/2	3,620	1/2	1/2	1/2	1/2	
	77,019	3/4	62,046	3/4	47,152	3/4	32,167	3/4	17,184	3/4	3,354	3/4	3/4	3/4	3/4	
T	76,707	8	61,736	8	46,840	8	31,855	8	16,873	8	3,088	8	8	8	8	
+	76,707	-	61,736	$oldsymbol{}$	46,528	-	31,542	-	16,565	-	2,827	-				
		1/4		1/4		1/4		1/4		1/4		1/4	1/4	1/4	1/4	
	76,083 75,771	1/2	61,116	1/2	46,216	1/2	31,230 30,918	1/2	16,256	1/2	2,565 2,304	1/2	1/2	1/2	1/2	
+		3/4 9	60,806	3/4 9	45,903	3/4		3/4 9	15,948	3/4 9	•	3/4 9	3/4	3/4	3/4	
4	75,458	+	60,496	\vdash	45,591	9	30,606	$\overline{}$	15,640		2,043					
+	75,146	1/4	60,186	1/4	45,279	1/4	30,294	1/4	15,335	1/4	1,805	1/4	1/4	1/4	1/4	
	74,834	1/2	59,877	1/2	44,967	1/2	29,981	1/2	15,031	1/2	1,567	1/2	1/2	1/2	1/2	
4	74,522	3/4	59,567	3/4	44,655	3/4	29,669	3/4	14,726	3/4	1,329	3/4	3/4	3/4	3/4	
┸	74,210	10	59,257	10	44,342	10	29,357	10	14,422	10	1,091	10	10	10	10	
	73,897	1/4	58,947	1/4	44,030	1/4	29,045	1/4	14,121	1/4	914	1/4	1/4	1/4	1/4	
	73,585	1/2	58,637	1/2	43,718	1/2	28,733	1/2	13,820	1/2	738	1/2	1/2	1/2	1/2	
	73,273	3/4	58,327	3/4	43,406	3/4	28,420	3/4	13,520	3/4	561	3/4	3/4	3/4	3/4	
	72,961	11	58,018	11	43,094	11	28,108	11	13,219	11	384	11	11	11	11	
	72,649	1/4	57,708	1/4	42,781	1/4	27,796	1/4	12,922	1/4	=	1/4	1/4	1/4	1/4	
	72,336	1/2	57,398	1/2	42,469	1/2	27,484	1/2	12,625	1/2		1/2	1/2	1/2	1/2	
Į.	72,024	3/4	57,088	3/4	42,157	3/4	27,172	3/4	12,329	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & 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'-10 1/2"

	OLE GALLO															GAUGE HI		
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	205,927	0	191,031	0	176,091	0	161,112	0	146,129	0	131,146	0	116,164	0	101,178
	1/4		1/4	205,619	1/4	190,719	1/4	175,780	1/4	160,800	1/4	145,817	1/4	130,834	1/4	115,852	1/4	100,866
	1/2		1/2	205,310	1/2	190,408	1/2	175,469	1/2	160,488	1/2	145,505	1/2	130,522	1/2	115,540	1/2	100,554
	3/4		3/4	205,001	3/4	190,097	3/4	175,157	3/4	160,176	3/4	145,193	3/4	130,210	3/4	115,227	3/4	100,242
	1		1	204.692	1	189,786	1	174.846	1	159.864	1	144.881	1	129.898	1	114.915	1	99,929
	1/4		1/4		-		-		1/4		_		-		1/4	· · · · · · · · · · · · · · · · · · ·	1/4	99,617
							_									,		99,305
																,		98,993
					_			,								· · · · · · · · · · · · · · · · · · ·		98,680
	-				-				igspace				-		_		-	98,368
							_				_					,		
											_				_			98,056 97,743
							_											
	\leftarrow		_		-				-		_		-				-	97,431
				7				,						,		,		97,119
											-					•		96,807
					_			· · · · · · · · · · · · · · · · · · ·										96,494
	4		4		4		4		4		4		4		4	· · · · · · · · · · · · · · · · · · ·	4	96,182
	1/4		1/4	200,673	1/4	185,740	1/4	170,789	1/4	155,806	1/4	140,823	1/4	125,840	1/4	110,857	1/4	95,870
	1/2		1/2	200,363	1/2	185,428	1/2	170,477	1/2	155,494	1/2	140,511	1/2	125,528	1/2	110,545	1/2	95,558
	3/4		3/4	200,053	3/4	185,117	3/4	170,164	3/4	155,181	3/4	140,199	3/4	125,216	3/4	110,233	3/4	95,245
	5		5	199,743	5	184,806	5	169,852	5	154,869	5	139,886	5	124,904	5	109,921	5	94,933
	1/4		1/4	199,433	1/4	184,495	1/4	169,540	1/4	154,557	1/4	139,574	1/4	124,592	1/4	109,609	1/4	94,621
	1/2		1/2	199,123	1/2	184,184	1/2	169,228	1/2	154,245	1/2	139,262	1/2	124,279	1/2	109,297	1/2	94,308
			3/4				3/4		3/4		3/4				3/4		3/4	93,996
	6		6				6		6		6		-	•	6		6	93,684
	1/4		-		-		-	,	-	•		•	-	•	_	· · · · · · · · · · · · · · · · · · ·	-	93,372
				,												,		93,059
															_	,		92,747
					_		_		_		_		-		_	· · · · · · · · · · · · · · · · · · ·	_	92,435
	$oldsymbol{\mapsto}$		-		-		-	,	-				-		_	· · · · · · · · · · · · · · · · · · ·	-	92,122
		210 524		,											_	,		91,810
		-,-													_	,		91,498
		•			-		_		-						_		-	
			-		+		-		-		-		-			· · · · · · · · · · · · · · · · · · ·	-	91,186
	-			,										•	_			90,873
															_			90,561
							_		_		_		-		_		_	90,249
	$oldsymbol{\mapsto}$		-		-		-	,	-		_	•	-	•	_		-	89,937
	1/4		1/4	,	1/4		1/4		1/4		1/4		1/4	•	1/4	104,613	1/4	89,624
	1/2	208,883	1/2	194,143	1/2		1/2	164,234	1/2	149,251	1/2		1/2	119,285	1/2	104,301	1/2	89,312
	3/4	208,603	3/4	193,832	3/4	178,893	3/4	163,922	3/4	148,939	3/4	133,956	3/4	118,973	3/4	103,989	3/4	89,000
	10	208,324	10	193,521	10	178,581	10	163,609	10	148,626	10	133,644	10	118,661	10	103,677	10	88,687
	1/4	208,045	1/4	193,209	1/4	178,270	1/4	163,297	1/4	148,314	1/4	133,331	1/4	118,349	1/4	103,364	1/4	88,375
 	1/2	207,765	1/2	192,898	1/2	177,959	1/2	162,985	1/2	148,002	1/2	133,019	1/2	118,037	1/2	103,052	1/2	88,063
	3/4	207,460	3/4	192,587	3/4	177,648	3/4	162,673	3/4	147,690	3/4	132,707	3/4	117,724	3/4	102,740	3/4	87,751
	11	207,155	11	192,276	11		11	162,361	11	147,378	11		11	117,412	11		11	87,438
	1/4	206,850	1/4	191,964	1/4	177,025	1/4	162,049	1/4	147,066	1/4	132,083	1/4	117,100	1/4	102,115	1/4	87,126
						176,714	1/2	161,736	1/2	146,754	1/2	131,771	1/2	116,788	1/2	101,803	1/2	86,814
	1/2	206,545	1/2	191,653	1/2												1/2	
		0 1/4 1/2 3/4 1/4 1/	0 1/4 1/2 3/4 1/2 3/4 3/4 1/4 1/2 3/4 1/4 1/2 3/4 5 1/4 1/2 3/4 5 1/4 1/2 3/4 5 1/4 1/2 3/4 7 1/4 1/2 3/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 3/4 1/4 1/2 1/2 3/4 1/4 1/2 1/2 3/4 1/4 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2 1/2	0 0 1/4 1/4 1/4 1/4 1/4 1/2 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4 3/4	0	0 0 205,927 0 1/4 1/4 205,619 1/4 1/2 1/2 205,310 1/2 3/4 3/4 205,001 3/4 1 1 204,692 1 1/4 1/4 204,383 1/4 1/2 1/2 204,073 1/2 3/4 3/4 203,764 3/4 2 2 203,455 2 1/4 1/4 203,146 1/4 1/2 1/2 202,836 1/2 3/4 3/4 202,527 3/4 3/4 3/4 202,527 3/4 3/4 201,600 1/2 3/4 3/4 201,291 3/4 4 4 201,999 1/4 1/2 1/2 201,600 1/2 3/4 3/4 201,291 3/4 4 4 200,982 4 1/4 1/4 <	0	0 0 205,927 0 191,031 0 11/4 11/4 205,619 1/4 190,719 1/4 172 172 205,310 1/2 190,408 1/2 3/4 3/4 205,001 3/4 190,097 3/4 1 1 1 204,682 1 189,786 1 1/4 1/4 204,383 1/4 189,475 1/4 1/2 204,073 1/2 189,163 1/2 3/4 3/4 203,764 3/4 188,652 3/4 2 2 2 203,455 2 188,541 2 1/2 1/4 1/4 203,146 1/4 188,230 1/4 1/2 1/2 202,836 1/2 187,918 1/2 3/4 3/4 202,527 3/4 187,607 3/4 3/4 1/4 201,990 1/4 186,985 1/4 1/2 <	0	0	0	0	0	0	0	0	0	0

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

The frame



1 STBD ULLAGE TABLE

GAUGE HEIGHT 15'-10 1/2"

CAPAC	ITIES GIVEN IN WHO	LE GALL	ONS														GAUGE HEI	GHT	15'-10 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	86,189	0	71,200	0	56,215	0	41,229	0	26,241	0	11,448	0		0		0		0	
1/4	85,877	1/4	70,888	1/4	55,903	1/4	40,917	1/4	25,929	1/4	11,155	1/4		1/4		1/4		1/4	
1/2	85,565	1/2	70,576	1/2	55,591	1/2	40,605	1/2	25,616	1/2	10,862	1/2		1/2		1/2		1/2	
3/4	85,252	3/4	70,263	3/4	55,279	3/4	40,293	3/4	25,304	3/4	10,573	3/4		3/4		3/4		3/4	
1	84,940	1	69,951	1	54,967	1	39,980	1	24,992	1	10,284	1		1		1		1	
1/4	84,628	1/4	69,639	1/4	54,655	1/4	39,668	1/4	24,679	1/4	9,994	1/4		1/4		1/4		1/4	
1/2	84,316	1/2	69,326	1/2	54,343	1/2	39,356	1/2	24,367	1/2	9,705	1/2		1/2		1/2		1/2	
3/4	84,003	3/4	69,014	3/4	54,031	3/4	39,044	3/4	24,055	3/4	9,420	3/4		3/4		3/4		3/4	
2	83,691	2	68,702	2	53,719	2	38,731	2	23,743	2	9,135	2		2		2		2	
1/4	83,379	1/4	68,390	1/4	53,407	1/4	38,419	1/4	23,430	1/4	8,849	1/4		1/4		1/4		1/4	
1/2	83,067	1/2	68,077	1/2	53,095	1/2	38,107	1/2	23,118	1/2	8,564	1/2		1/2		1/2		1/2	
3/4	82,754	3/4	67,765	3/4	52,783	3/4	37,795	3/4	22,806	3/4	8,282	3/4		3/4		3/4		3/4	
3	82,442	3	67,453	3	52,470	3	37,482	3	22,494	3	8,001	3		3		3		3	
1/4	82,130	1/4	67,141	1/4	52,158	1/4	37,170	1/4	22,181	1/4	7,719	1/4		1/4		1/4		1/4	
1/2	81,817	1/2	66,828	1/2	51,846	1/2	36,858	1/2	21,869	1/2	7,438	1/2		1/2		1/2		1/2	
3/4	81,505	3/4	66,516	3/4	51,534	3/4	36,546	3/4	21,557	3/4	7,160	3/4		3/4		3/4		3/4	
4	81,193	4	66,204	4	51,222	4	36,233	4	21,245	4	6,882	4		4		4		4	
1/4	80,881	1/4	65,891	1/4	50,910	1/4	35,921	1/4	20,932	1/4	6,605	1/4		1/4		1/4		1/4	
1/2	80,568	1/2	65,579	1/2	50,597	1/2	35,609	1/2	20,620	1/2	6,327	1/2		1/2		1/2		1/2	
3/4	80,256	3/4	65,267	3/4	50,285	3/4	35,296	3/4	20,308	3/4	6,053	3/4		3/4		3/4		3/4	
5	79,944	5	64,955	5	49,973	5	34,984	5	19,995	5	5,779	5		5		5		5	
1/4	79,632	1/4	64,642	1/4	49,661	1/4	34,672	1/4	19,683	1/4	5,506	1/4		1/4		1/4		1/4	
1/2	79,319	1/2	64,330	1/2	49,348	1/2	34,360	1/2	19,371	1/2	5,232	1/2		1/2		1/2		1/2	
3/4	79,007	3/4	64,018	3/4	49,036	3/4	34,047	3/4	19,059	3/4	4,962	3/4		3/4		3/4		3/4	
6	78,695	6	63,706	6	48,724	6	33,735	6	18,746	6	4,692	6		6		6		6	
1/4	78,382	1/4	63,393	1/4	48,412	1/4	33,423	1/4	18,434	1/4	4,422	1/4		1/4		1/4		1/4	
1/2	78,070	1/2	63,081	1/2	48,099	1/2	33,111	1/2	18,122	1/2	4,152	1/2		1/2		1/2		1/2	
3/4	77,758	3/4	62,769	3/4	47,787	3/4	32,798	3/4	17,811	3/4	3,886	3/4		3/4		3/4		3/4	
7	77,446	7	62,457	7	47,475	7	32,486	7	17,499	7	3,620	7		7		7		7	
1/4	77,133	1/4	62,144	1/4	47,163	1/4	32,174	1/4	17,188	1/4	3,354	1/4		1/4		1/4		1/4	
1/2	76,821	1/2	61,832	1/2	46,850	1/2	31,862	1/2	16,877	1/2	3,088	1/2		1/2		1/2		1/2	
3/4	76,509	3/4	61,520	3/4	46,538	3/4	31,549	3/4	16,568	3/4	2,827	3/4		3/4		3/4		3/4	
8	76,197	8	61,208	8	46,226	8	31,237	8	16,260	8	2,566	8		8		8		8	
1/4	75,884	1/4	60,896	1/4	45,913	1/4	30,925	1/4	15,951	1/4	2,305	1/4		1/4		1/4		1/4	
1/2	75,572	1/2	60,584	1/2	45,601	1/2	30,612	1/2	15,643	1/2	2,043	1/2		1/2		1/2		1/2	
3/4	75,260	3/4	60,272	3/4	45,289	3/4	30,300	3/4	15,338	3/4	1,805	3/4		3/4		3/4		3/4	
9	74,947	9	59,960	9	44,977	9	29,988	9	15,034	9	1,567	9		9		9		9	
1/4	74,635	1/4	59,648	1/4	44,664	1/4	29,676	1/4	14,729	1/4	1,329	1/4		1/4		1/4		1/4	
1/2	74,323	1/2	59,336	1/2	44,352	1/2	29,363	1/2	14,425	1/2	1,091	1/2		1/2		1/2		1/2	
3/4	74,011	3/4	59,024	3/4	44,040	3/4	29,051	3/4	14,124	3/4	914	3/4		3/4		3/4		3/4	
10	73,698	10	58,711	10	43,728	10	28,739	10	13,823	10	738	10		10		10		10	
1/4	73,386	1/4	58,399	1/4	43,415	1/4	28,427	1/4	13,523	1/4	561	1/4		1/4		1/4		1/4	
1/2	73,074	1/2	58,087	1/2	43,103	1/2	28,114	1/2	13,222	1/2	384	1/2		1/2		1/2		1/2	
3/4	72,761	3/4	57,775	3/4	42,791	3/4	27,802	3/4	12,925	3/4	_	3/4		3/4		3/4		3/4	
11	72,449	11	57,463	11	42,479	11	27,490	11	12,628	11		11		11		11		11	
1/4	72,137	1/4	57,151	1/4	42,166	1/4	27,178	1/4	12,331	1/4		1/4		1/4		1/4		1/4	
1/2	71,825	1/2	56,839	1/2	41,854	1/2	26,865	1/2	12,034	1/2		1/2		1/2		1/2		1/2	
3/4	71,512	3/4	56,527	3/4	41,542	3/4	26,553	3/4	11,741	3/4		3/4		3/4		3/4		3/4	-
	,-		,-	1 1	, · · ·		-,			<u> </u>		1					ADT EOD THE ADO		

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 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 3/4"

CAPACIT	ES GIVEN IN WHO	OLE GALL	ONS															IGH I	15'-10 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	208,873	0	193,911	0	178,883	0	163,810	0	148,732	0	133,653	0	118,575	0	103,493
1/4		1/4		1/4	208,564	1/4	193,598	1/4	178,570	1/4	163,496	1/4	148,418	1/4	133,339	1/4	118,261	1/4	103,179
1/2		1/2		1/2	208,254	1/2	193,285	1/2	178,257	1/2	163,182	1/2	148,103	1/2	133,025	1/2	117,946	1/2	102,865
3/4		3/4		3/4	207,944	3/4	192,972	3/4	177,944	3/4	162,868	3/4	147,789	3/4	132,711	3/4	117,632	3/4	102,550
1		1		1	207.634	1	192,659	1	177,631	1	162,554	1	147,475	1	132,397	1	117,318	1	102,236
1/4		1/4		1/4	207,324	1/4	192,345	1/4	177,317	1/4	162,240	1/4	147,161	1/4	132,083	1/4	117,004	1/4	101,922
1/2		1/2		1/2	207.014	1/2	192,032	1/2	177,003	1/2	161,925	1/2	146,847	1/2	131,768	1/2	116,690	1/2	101,607
3/4		3/4		3/4	206,704	3/4	191,719	3/4	176,690	3/4	161,611	3/4	146,533	3/4	131,454	3/4	116,376	3/4	101,293
2		2		2	206,394	2	191,406	2	176,376	2	161,297	2	146,219	2	131,140	2	116,062	2	100,979
1/4		1/4		1/4	206,084	1/4	191,093	1/4	176,062	1/4	160,983	1/4	145,904	1/4	130,826	1/4	115,747	1/4	100,664
1/4		1/4		1/4	205,774	1/4	190,780	1/4	175,747	1/4	160,669	1/4	145,590	1/4	130,512	1/4	115,433	1/4	100,350
3/4		3/4		3/4	205,774	3/4	190,780	3/4	175,433	3/4	160,355	3/4	145,390	3/4	130,512	3/4	115,433	3/4	100,330
3/4		3/4		3/4				_	,	3/4		_				3/4	,		
_		\leftarrow		-	205,154	3	190,154	3	175,119	\vdash	160,041	3	144,962	3	129,884	_	114,805	3	99,722
1/4		1/4		1/4	204,844	1/4	189,841	1/4	174,805	1/4	159,726	1/4	144,648	1/4	129,569	1/4	114,491	1/4	99,407
1/2		1/2		1/2	204,534	1/2	189,528	1/2	174,491	1/2	159,412	1/2	144,334	1/2	129,255	1/2	114,177	1/2	99,093
3/4		3/4		3/4	204,224	3/4	189,215	3/4	174,177	3/4	159,098	3/4	144,020	3/4	128,941	3/4	113,863	3/4	98,779
4		4		4	203,914	4	188,902	4	173,863	4	158,784	4	143,706	4	128,627	4	113,548	4	98,464
1/4		1/4		1/4	203,604	1/4	188,589	1/4	173,548	1/4	158,470	1/4	143,391	1/4	128,313	1/4	113,234	1/4	98,150
1/2		1/2		1/2	203,294	1/2	188,276	1/2	173,234	1/2	158,156	1/2	143,077	1/2	127,999	1/2	112,920	1/2	97,836
3/4		3/4		3/4	202,984	3/4	187,963	3/4	172,920	3/4	157,842	3/4	142,763	3/4	127,685	3/4	112,606	3/4	97,522
5		5		5	202,672	5	187,649	5	172,606	5	157,528	5	142,449	5	127,370	5	112,292	5	97,207
1/4		1/4		1/4	202,361	1/4	187,336	1/4	172,292	1/4	157,213	1/4	142,135	1/4	127,056	1/4	111,978	1/4	96,893
1/2		1/2		1/2	202,049	1/2	187,023	1/2	171,978	1/2	156,899	1/2	141,821	1/2	126,742	1/2	111,664	1/2	96,579
3/4		3/4		3/4	201,738	3/4	186,710	3/4	171,664	3/4	156,585	3/4	141,507	3/4	126,428	3/4	111,350	3/4	96,264
6		6		6	201,425	6	186,397	6	171,350	6	156,271	6	141,192	6	126,114	6	111,035	6	95,950
1/4		1/4		1/4	201,111	1/4	186,084	1/4	171,035	1/4	155,957	1/4	140,878	1/4	125,800	1/4	110,721	1/4	95,636
1/2		1/2		1/2	200,798	1/2	185,771	1/2	170,721	1/2	155,643	1/2	140,564	1/2	125,486	1/2	110,407	1/2	95,321
3/4		3/4		3/4	200,485	3/4	185,458	3/4	170,407	3/4	155,329	3/4	140,250	3/4	125,172	3/4	110,093	3/4	95,007
7		7		7	200,172	7	185,145	7	170,093	7	155,014	7	139,936	7	124,857	7	109,779	7	94,693
1/4		1/4		1/4	199,859	1/4	184,832	1/4	169,779	1/4	154,700	1/4	139,622	1/4	124,543	1/4	109,465	1/4	94,379
1/2		1/2		1/2	199,546	1/2	184,519	1/2	169,465	1/2	154,386	1/2	139,308	1/2	124,229	1/2	109,150	1/2	94,064
3/4		3/4	213,170	3/4	199,233	3/4	184,206	3/4	169,151	3/4	154,072	3/4	138,994	3/4	123,915	3/4	108,836	3/4	93,750
8		8	212,991	8	198,920	8	183,893	8	168,836	8	153,758	8	138,679	8	123,601	8	108,522	8	93,436
1/4		1/4	212,812	1/4	198,607	1/4	183,580	1/4	168,522	1/4	153,444	1/4	138,365	1/4	123,287	1/4	108,208	1/4	93,121
1/2		1/2	212,632	1/2	198,294	1/2	183,266	1/2	168,208	1/2	153,130	1/2	138,051	1/2	122,973	1/2	107,893	1/2	92,807
3/4		3/4	212,453	3/4	197,981	3/4	182,953	3/4	167,894	3/4	152,815	3/4	137,737	3/4	122,658	3/4	107,579	3/4	92,493
9		9	212,222	9	197,668	9	182,640	9	167,580	9	152,501	9	137,423	9	122,344	9	107,265	9	92,179
1/4		1/4	211,990	1/4	197,355	1/4	182,327	1/4	167,266	1/4	152,187	1/4	137,109	1/4	122,030	1/4	106,950	1/4	91,864
1/2		1/2	211,759	1/2	197,042	1/2	182,014	1/2	166,952	1/2	151,873	1/2	136,795	1/2	121,716	1/4	106,636	1/4	91,550
3/4		3/4	211,527	3/4	196,728	3/4	181,701	3/4	166,637	3/4	151,559	3/4	136,480	3/4	121,402	3/4	106,322	3/4	91,236
10		10	211,247	10	196,415	10	181,388	10	166,323	10	151,245	10	136,166	10	121,088	10	106,007	10	90,921
_		1/4	210,967	-	196,413	-	181,075	-	166,009	-	151,245	_	135,852	-	121,000	-	105,693	-	90,607
1/4			-	1/4		1/4		1/4		1/4		1/4	135,852	1/4	· ·	1/4		1/4	
1/2		1/2	210,687	1/2	195,789	1/2	180,762	1/2	165,695	1/2	150,617	1/2		1/2	120,459	1/2	105,379	1/2	90,293
3/4		3/4	210,407	3/4	195,476	3/4	180,449	3/4	165,381	3/4	150,302	3/4	135,224	3/4	120,145	3/4	105,065	3/4	89,978
11		11	210,101	11	195,163	11	180,136	11	165,067	11	149,988	11	134,910	11	119,831	11	104,750	11	89,664
1/4		1/4	209,795	1/4	194,850	1/4	179,823	1/4	164,753	1/4	149,674	1/4	134,596	1/4	119,517	1/4	104,436	1/4	89,350
1/2		1/2	209,489	1/2	194,537	1/2	179,510	1/2	164,439	1/2	149,360	1/2	134,281	1/2	119,203	1/2	104,122	1/2	89,036
3/4		3/4	209,183	3/4	194,224	3/4	179,197	3/4	164,124	3/4	149,046	3/4	133,967	3/4	118,889	3/4	103,807	3/4	88,721

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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



2 PORT **ULLAGE TABLE**

	TIES GIVEN IN WHO																	15'-10 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. N		IN	19 FT.
0	88,407	0	73,321	0	58,506	0	44,005	0	29,230	0	14,146	0		0	0		0	
1/4	88,093	1/4	73,007	1/4	58,203	1/4	43,703	1/4	28,916	1/4	13,832	1/4		1/4	1/4		1/4	
1/2	87,778	1/2	72,692	1/2	57,901	1/2	43,402	1/2	28,602	1/2	13,518	1/2		1/2	1/2		1/2	
3/4	87,464	3/4	72,378	3/4	57,598	3/4	43,100	3/4	28,288	3/4	13,203	3/4		3/4	3/4		3/4	
1	87,150	1	72,064	1	57,296	1	42,799	1	27,974	1	12,889	1		1	1		1	
1/4	86,836	1/4	71,749	1/4	56,993	1/4	42,497	1/4	27,660	1/4	12,575	1/4		1/4	1/4		1/4	
1/2	86,521	1/2	71,435	1/2	56,691	1/2	42,196	1/2	27,346	1/2	12,261	1/2		1/2	1/2		1/2	
3/4	86,207	3/4	71,121	3/4	56,388	3/4	41,894	3/4	27,032	3/4	11,946	3/4		3/4	3/4		3/4	
2	85,893	2	70,807	2	56,086	2	41,592	2	26,717	2	11,632	2		2	2		2	
1/4	85,578	1/4	70,492	1/4	55,783	1/4	41,291	1/4	26,403	1/4	11,318	1/4		1/4	1/4		1/4	
1/2	85,264	1/2	70,178	1/2	55,481	1/2	40,989	1/2	26,089	1/2	11,003	1/2		1/2	1/2		1/2	
3/4	84,950	3/4	69,864	3/4	55,178	3/4	40,688	3/4	25,775	3/4	10,689	3/4		3/4	3/4		3/4	
3	84,635	3	69,549	3	54,876	3	40,386	3	25,461	3	10,375	3		3	3		3	
1/4	84,321	1/4	69,235	1/4	54,573	1/4	40,085	1/4	25,146	1/4	10,061	1/4		1/4	1/4		1/4	
1/2	84,007	1/2	68,921	1/2	54,271	1/2	39,783	1/2	24,832	1/2	9,746	1/2		1/2	1/2		1/2	
3/4	83,693	3/4	68,606	3/4	53,968	3/4	39,481	3/4	24,518	3/4	9,432	3/4		3/4	3/4		3/4	
4	83,378	4	68,292	4	53,666	4	39,179	4	24,203	4	9,118	4		4	4		4	
1/4	83,064	1/4	67,978	1/4	53,363	1/4	38,877	1/4	23,889	1/4	8,803	1/4		1/4	1/4		1/4	=
1/2	82,750	1/2	67,664	1/2	53,061	1/2	38,575	1/2	23,575	1/2	8,489	1/2		1/2	1/2		1/2	
3/4	82,435	3/4	67,349	3/4	52,758	3/4	38,273	3/4	23,261	3/4	8,175	3/4		3/4	3/4		3/4	
5	82,121	5	67,035	5	52,456	5	37,971	5	22,946	5	7,861	5		5	5	_	5	
1/4	81,807	1/4	66,721	1/4	52,153	1/4	37,668	1/4	22,632	1/4	7,546	1/4		1/4	1/4		1/4	
1/2	81,493	1/2	66,406	1/2	51,851	1/2	37,366	1/2	22,318	1/2	7,232	1/2		1/2	1/2		1/2	-
3/4	81,178	3/4	66,092	3/4	51,548	3/4	37,063	3/4	22,003	3/4	6,918	3/4		3/4	3/4		3/4	
6	80,864	6	65,784	6	51,246	6	36,755	6	21,689	6	6,604	6		6	6		6	
1/4	80,550	1/4	65,475	1/4	50,944	1/4	36,446	1/4	21,375	1/4	6,289	1/4		1/4	1/4		1/4	
1/2	80,235	1/2	65,167	1/2	50,642	1/2	36,138	1/4	21,061	1/2	5,975	1/2		1/2	1/4		1/2	
3/4	79,921	3/4	64,859	3/4	50,339	3/4	35,830	3/4	20,746	3/4	5,661	3/4		3/4	3/4		3/4	
7	79,607	7	64,556	7	50.038	7	35,515	7	20,432	7	5.347	7		7	7	_	7	
_	79,292	-	64,253	-	49,736	-	35,201	-	20,118	\vdash	5,033	1/4		-	1/4		+	
1/4	78,978	1/4	63,951	1/4	49,736	1/4	34,887	1/4	19,803	1/4	4,719			1/4			1/4	
1/2	78,664	1/2	63,648	1/2 3/4	49,434	1/2	34,573	1/2	19,489	1/2 3/4	4,405	1/2 3/4		1/2	1/2		1/2 3/4	
3/4 8	78,350	3/4	63,346	8	48,830	3/4	34,258	3/4	19,175	8	4,091	8		3/4 8	3/4	_	8	
_		$\overline{}$		-						-		$oldsymbol{}$		igspace			\vdash	
1/4	78,035	1/4	63,043	1/4	48,529 48,227	1/4	33,944	1/4	18,861	1/4	3,778 3,465	1/4		1/4	1/4		1/4	
1/2	77,721 77,407	1/2 3/4	62,741 62,438	1/2 3/4	48,227	1/2 3/4	33,630 33,315	1/2	18,546 18,232	1/2 3/4	3,465	1/2 3/4		1/2 3/4	1/2		1/2 3/4	
3/4 9	77,092	3/4 9	62,436	3/4 9	47,925	3/4 9	33,001	3/4 9	17,918	3/4 9	2,858	3/4 9		3/4 9	3/4	_	3/4 9	
-		-		_		-		-		-		$oldsymbol{}$		-			+	
1/4	76,778	1/4	61,833	1/4	47,322	1/4	32,687	1/4	17,603	1/4	2,564	1/4		1/4	1/4		1/4	
1/2	76,464	1/2	61,531	1/2	47,021	1/2	32,373	1/2	17,289	1/2	2,270	1/2		1/2	1/2		1/2	
3/4	76,150	3/4	61,228	3/4	46,719	3/4	32,058	3/4	16,975	3/4 10	1,976	3/4		3/4 10	3/4		3/4	
10	75,835	10	60,926	10	46,418	10	31,744	10	16,661	-	1,740	10		-	10		10	
1/4	75,521	1/4	60,623	1/4	46,116	1/4	31,430	1/4	16,346	1/4	1,505	1/4		1/4	1/4		1/4	
1/2	75,207	1/2	60,321	1/2	45,814	1/2	31,115	1/2	16,032	1/2	1,269	1/2		1/2	1/2		1/2	
3/4	74,892	3/4	60,018	3/4	45,513	3/4	30,801	3/4	15,718	3/4	1,033	3/4		3/4	3/4	_	3/4	
11	74,578	11	59,716	11	45,211	11	30,487	11	15,403	11		11		11	11		11	
1/4	74,264	1/4	59,413	1/4	44,910	1/4	30,173	1/4	15,089	1/4		1/4		1/4	1/4		1/4	
1/2	73,949	1/2	59,111	1/2	44,608	1/2	29,858	1/2	14,775	1/2		1/2		1/2	1/2		1/2	
3/4	73,635	3/4	58,808	3/4	44,307	3/4	29,544	3/4	14,461	3/4		3/4		3/4	3/4		3/4	

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES **ALL PRIOR TO 02/2012**

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'-11"

	ITIES GIVEN IN WHO	LE GALLO															GAUGE I	1EIGH	
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	210,315	0	195,356	0	180,328	0	165,256	0	150,178	0	135,099	0	120,021	0	104,939
1/4		1/4		1/4	210,005	1/4	195,043	1/4	180,015	1/4	164,942	1/4	149,864	1/4	134,785	1/4	119,706	1/4	104,625
1/2		1/2		1/2	209,696	1/2	194,730	1/2	179,702	1/2	164,628	1/2	149,549	1/2	134,471	1/2	119,392	1/2	104,311
3/4		3/4		3/4	209,386	3/4	194,417	3/4	179,389	3/4	164,314	3/4	149,235	3/4	134,157	3/4	119,078	3/4	103,996
1		1		1	209,076	1	194,104	1	179,076	1	164,000	1	148,921	1	133,843	1	118,764	1	103,682
1/4		1/4		1/4	208,766	1/4	193,790	1/4	178,763	1/4	163,686	1/4	148,607	1/4	133,528	1/4	118,450	1/4	103,368
1/2		1/2		1/2	208,456	1/2	193,477	1/2	178,449	1/2	163,371	1/2	148,293	1/2	133,214	1/2	118,136	1/2	103,053
3/4		3/4		3/4	208,146	3/4	193,164	3/4	178,135	3/4	163,057	3/4	147,979	3/4	132,900	3/4	117,822	3/4	102,739
2		2		2	207,836	2	192,851	2	177,822	2	162,743	2	147,665	2	132,586	2	117,508	2	102,425
1/4		1/4		1/4	207,526	1/4	192,538	1/4	177,508	1/4	162,429	1/4	147,350	1/4	132,272	1/4	117,193	1/4	102,111
1/2		1/2		1/2	207,326	1/2	192,225	1/4	177,193	1/2	162,115	1/2	147,036	1/4	131,958	1/4	116,879	1/2	101,796
3/4		3/4		3/4	206,906	3/4	191,912	3/4	176,879	3/4	161,801	3/4	146,722	3/4	131,644	3/4	116,565	3/4	101,482
3		3		3	206,596	3	191,599	3	176,565	3	161,487	3	146,408	3	131,330	3	116,251	3	101,168
\rightarrow		-		-		_				\vdash		lacksquare		$\overline{}$				-	•
1/4		1/4		1/4	206,286	1/4	191,286	1/4	176,251	1/4	161,172	1/4	146,094	1/4	131,015	1/4	115,937	1/4	100,853
1/2		1/2		1/2	205,976	1/2	190,973	1/2	175,937	1/2	160,858	1/2	145,780	1/2	130,701	1/2	115,623	1/2	100,539
3/4		3/4		3/4	205,666	3/4	190,660	3/4	175,623	3/4	160,544	3/4	145,466	3/4	130,387	3/4	115,309	3/4	100,225
4		4		4	205,355	4	190,347	4	175,309	4	160,230	4	145,152	4	130,073	4	114,994	4	99,911
1/4		1/4		1/4	205,045	1/4	190,034	1/4	174,994	1/4	159,916	1/4	144,837	1/4	129,759	1/4	114,680	1/4	99,596
1/2		1/2		1/2	204,736	1/2	189,721	1/2	174,680	1/2	159,602	1/2	144,523	1/2	129,445	1/2	114,366	1/2	99,282
3/4		3/4		3/4	204,426	3/4	189,407	3/4	174,366	3/4	159,288	3/4	144,209	3/4	129,131	3/4	114,052	3/4	98,968
5		5		5	204,116	5	189,094	5	174,052	5	158,974	5	143,895	5	128,816	5	113,738	5	98,653
1/4		1/4		1/4	203,804	1/4	188,781	1/4	173,738	1/4	158,659	1/4	143,581	1/4	128,502	1/4	113,424	1/4	98,339
1/2		1/2		1/2	203,493	1/2	188,468	1/2	173,424	1/2	158,345	1/2	143,267	1/2	128,188	1/2	113,110	1/2	98,025
3/4		3/4		3/4	203,181	3/4	188,155	3/4	173,110	3/4	158,031	3/4	142,953	3/4	127,874	3/4	112,795	3/4	97,710
6		6		6	202,869	6	187,842	6	172,796	6	157,717	6	142,638	6	127,560	6	112,481	6	97,396
1/4		1/4		1/4	202,556	1/4	187,529	1/4	172,481	1/4	157,403	1/4	142,324	1/4	127,246	1/4	112,167	1/4	97,082
1/2		1/2		1/2	202,243	1/2	187,216	1/2	172,167	1/2	157,089	1/2	142,010	1/2	126,932	1/2	111,853	1/2	96,768
3/4		3/4		3/4	201,930	3/4	186,903	3/4	171,853	3/4	156,775	3/4	141,696	3/4	126,617	3/4	111,539	3/4	96,453
7		7		7	201,617	7	186,590	7	171,539	7	156,460	7	141,382	7	126,303	7	111,225	7	96,139
1/4		1/4		1/4	201,304	1/4	186,277	1/4	171,225	1/4	156,146	1/4	141,068	1/4	125,989	1/4	110,911	1/4	95,825
1/2		1/2		1/2	200,991	1/2	185,964	1/2	170,911	1/2	155,832	1/2	140,754	1/2	125,675	1/2	110,596	1/2	95,510
3/4		3/4		3/4	200,678	3/4	185,651	3/4	170,597	3/4	155,518	3/4	140,439	3/4	125,361	3/4	110,282	3/4	95,196
8		8	214.302	8	200,365	8	185,338	8	170,282	8	155,204	8	140,125	8	125,047	8	109,968	8	94,882
1/4		1/4	214,123	1/4	200,052	1/4	185,024	1/4	169,968	1/4	154,890	1/4	139,811	1/4	124,733	1/4	109,654	1/4	94,568
1/2		1/2	213.944	1/2	199,739	1/2	184,711	1/2	169,654	1/2	154,576	1/2	139,497	1/2	124,419	1/2	109,339	1/2	94,253
3/4		3/4	213,764	3/4	199,426	3/4	184,398	3/4	169,340	3/4	154,261	3/4	139,183	3/4	124,104	3/4	109,025	3/4	93,939
9		9	213,585	9	199,113	9	184,085	9	169,026	9	153,947	9	138,869	9	123,790	9	108,711	9	93,625
$\overline{}$		-	213,354	-	198,800	_			168,712	-	153,633	-	138,555	-	•	-	108,711	-	93,310
1/4		1/4	•	1/4		1/4	183,772	1/4		1/4	,	1/4		1/4	123,476	1/4		1/4	
1/2		1/2	213,122 212,891	1/2	198,486 198,173	1/2	183,459	1/2	168,398	1/2	153,319 153,005	1/2	138,241 137,926	1/2	123,162 122,848	1/2	108,082	1/2	92,996 92,682
3/4		3/4		3/4		3/4	183,146	3/4	168,083	3/4		3/4		3/4		3/4	107,768	3/4	
10		10	212,659	10	197,860	10	182,833	10	167,769	10	152,691	10	137,612	10	122,534	10	107,454	10	92,367
1/4		1/4	212,379	1/4	197,547	1/4	182,520	1/4	167,455	1/4	152,377	1/4	137,298	1/4	122,220	1/4	107,139	1/4	92,053
1/2		1/2	212,099	1/2	197,234	1/2	182,207	1/2	167,141	1/2	152,063	1/2	136,984	1/2	121,905	1/2	106,825	1/2	91,739
3/4		3/4	211,819	3/4	196,921	3/4	181,894	3/4	166,827	3/4	151,748	3/4	136,670	3/4	121,591	3/4	106,511	3/4	91,425
11		11	211,539	11	196,608	11	181,581	11	166,513	11	151,434	11	136,356	11	121,277	11	106,196	11	91,110
1/4		1/4	211,233	1/4	196,295	1/4	181,268	1/4	166,199	1/4	151,120	1/4	136,042	1/4	120,963	1/4	105,882	1/4	90,796
		1/2	210,927	1/2	195,982	1/2	180,955	1/2	165,885	1/2	150,806	1/2	135,727	1/2	120,649	1/2	105,568	1/2	90,482
1/2		1/2	- / -		,		,		,	.,_	,	.,		.,		.,	.00,000	- "-	

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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

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



2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

	IES GIVEN IN WH							, ,		, ,					GAUGE HEIGH	
N	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. N	17 FT. N	18 FT. ℕ	19 FT.
0	89,853	0	74,767	0	59,681	0	44,613	0	29,544	0	14,460	0	0	0	0	
1	89,539	1/4	74,453	1/4	59,367	1/4	44,300	1/4	29,230	1/4	14,146	1/4	1/4	1/4	1/4	
	89,225	1/2	74,138	1/2	59,052	1/2	43,987	1/2	28,916	1/2	13,832	1/2	1/2	1/2	1/2	
	88,910	3/4	73,824	3/4	58,738	3/4	43,673	3/4	28,602	3/4	13,517	3/4	3/4	3/4	3/4	
	88,596	1	73,510	1	58,424	1	43,360	1	28,288	1	13,203	1	1	1	1	
	88,282	1/4	73,196	1/4	58,109	1/4	43,047	1/4	27,974	1/4	12,889	1/4	1/4	1/4	1/4	
	87,967	1/2	72,881	1/2	57,795	1/2	42,733	1/2	27,660	1/2	12,575	1/2	1/2	1/2	1/2	
	87,653	3/4	72,567	3/4	57,481	3/4	42,420	3/4	27,346	3/4	12,260	3/4	3/4	3/4	3/4	
	87,339	2	72,253	2	57,167	2	42,107	2	27,032	2	11,946	2	2	2	2	
	87,024	1/4	71,938	1/4	56,852	1/4	41,793	1/4	26,718	1/4	11,632	1/4	1/4	1/4	1/4	
	86,710	1/2	71,624	1/2	56,538	1/2	41,480	1/2	26,403	1/2	11,317	1/2	1/2	1/2	1/2	
	86,396	3/4	71,310	3/4	56,224	3/4	41,166	3/4	26,089	3/4	11,003	3/4	3/4	3/4	3/4	
╅	86,082	3	70,995	3	55,909	3	40,853	3	25,775	3	10,689	3	3	3	3	
1	85,767	1/4	70,681	1/4	55,595	1/4	40,540	1/4	25,461	1/4	10,375	1/4	1/4	1/4	1/4	<u> </u>
	85,453	1/2	70,367	1/2	55,281	1/2	40,226	1/2	25,146	1/2	10,060	1/2	1/2	1/2	1/2	
	85,139	3/4	70,053	3/4	54,966	3/4	39,913	3/4	24,832	3/4	9,746	3/4	3/4	3/4	3/4	
T	84,824	4	69,738	4	54,652	4	39,600	4	24,518	4	9,432	4	4	4	4	
-	84,510	1/4	69,424	1/4	54,338	1/4	39,286	1/4	24,203	1/4	9,117	1/4	1/4	1/4		
	84,196	1/4	69,110	1/4	54,024	1/4	38,972	1/4	23,889	1/4	8,803	1/4	1/4	1/4	1/4	
\dagger	83,882	3/4	68,795	3/4	53,709	3/4	38,658	3/4	23,575	3/4	8,489	3/4	3/4	3/4	3/4	
╅	83,567	5	68,481	5	53,395	5	38,344	5	23,261	5	8,175	5	5	5	5	
+		-	•	+				-		\vdash	7,860	-				
	83,253	1/4	68,167	1/4	53,081	1/4	38,030	1/4	22,946	1/4		1/4	1/4	1/4		
+	82,939	1/2	67,853	1/2	52,766	1/2	37,716	1/2	22,632	1/2	7,546	1/2	1/2	1/2	1/2	
╁	82,624	3/4	67,538	3/4	52,452	3/4	37,401	3/4	22,318	3/4	7,232	3/4	3/4	3/4	3/4	
+	82,310	6	67,224	6	52,138	6	37,087	6	22,003	6	6,917	6	6	6	6	
_	81,996	1/4	66,910	1/4	51,824	1/4	36,773	1/4	21,689	1/4	6,603	1/4	1/4	1/4		
	81,681	1/2	66,595	1/2	51,510	1/2	36,459	1/2	21,375	1/2	6,289	1/2	1/2	1/2	1/2	
4	81,367	3/4	66,281	3/4	51,196	3/4	36,144	3/4	21,061	3/4	5,975	3/4	3/4	3/4	3/4	
┸	81,053	7	65,967	7	50,882	7	35,830	7	20,746	7	5,660	7	7	7	7	
	80,739	1/4	65,652	1/4	50,568	1/4	35,516	1/4	20,432	1/4	5,346	1/4	1/4	1/4	1/4	
	80,424	1/2	65,338	1/2	50,255	1/2	35,201	1/2	20,118	1/2	5,032	1/2	1/2	1/2	1/2	
Ų.	80,110	3/4	65,024	3/4	49,941	3/4	34,887	3/4	19,803	3/4	4,718	3/4	3/4	3/4	3/4	
	79,796	8	64,710	8	49,628	8	34,573	8	19,489	8	4,404	8	8	8	8	
	79,481	1/4	64,395	1/4	49,314	1/4	34,259	1/4	19,175	1/4	4,091	1/4	1/4	1/4	1/4	
	79,167	1/2	64,081	1/2	49,001	1/2	33,944	1/2	18,860	1/2	3,777	1/2	1/2	1/2	1/2	
	78,853	3/4	63,767	3/4	48,687	3/4	33,630	3/4	18,546	3/4	3,464	3/4	3/4	3/4	3/4	
	78,539	9	63,452	9	48,374	9	33,316	9	18,232	9	3,151	9	9	9	9	
	78,224	1/4	63,138	1/4	48,060	1/4	33,001	1/4	17,918	1/4	2,857	1/4	1/4	1/4	1/4	
	77,910	1/2	62,824	1/2	47,747	1/2	32,687	1/2	17,603	1/2	2,563	1/2	1/2	1/2	1/2	
1	77,596	3/4	62,510	3/4	47,434	3/4	32,373	3/4	17,289	3/4	2,269	3/4	3/4	3/4	3/4	
Γ	77,281	10	62,195	10	47,120	10	32,058	10	16,975	10	1,975	10	10	10	10	
	76,967	1/4	61,881	1/4	46,807	1/4	31,744	1/4	16,660	1/4	1,740	1/4	1/4	1/4	1/4	
	76,653	1/2	61,567	1/2	46,494	1/2	31,430	1/2	16,346	1/2	1,504	1/2	1/2	1/2	1/2	
	76,338	3/4	61,252	3/4	46,180	3/4	31,116	3/4	16,032	3/4	1,268	3/4	3/4	3/4	3/4	
1	76,024	11	60,938	11	45,867	11	30,801	11	15,718	11	1,033	11	11	11	11	
1	75,710	1/4	60,624	1/4	45,554	1/4	30,487	1/4	15,403	1/4		1/4	1/4	1/4	1/4	
:	75,396	1/2	60,309	1/2	45,240	1/2	30,173	1/2	15,089	1/2		1/2	1/2	1/2	1/2	
	75,081	3/4	59,995	3/4	44,927	3/4	29,859	3/4	14,775	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

CAPAC	ITIES GIVEN IN WHOLE GAL	LONS														GAUGE	HEIGH	T 15'-11"
IN	0 FT. N	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	189,290	0	178,956	0	168,622	0	158,256	0	147,810	0	133,517	0	118,548	0	103,574
1/4	1/4		1/4	189,075	1/4	178,741	1/4	168,407	1/4	158,040	1/4	147,563	1/4	133,205	1/4	118,236	1/4	103,262
1/2	1/2		1/2	188,860	1/2	178,526	1/2	168,191	1/2	157,823	1/2	147,316	1/2	132,893	1/2	117,924	1/2	102,949
3/4	3/4		3/4	188,645	3/4	178,310	3/4	167,976	3/4	157,607	3/4	147,069	3/4	132,581	3/4	117,612	3/4	102,637
1	1		1	188,430	1	178,095	1	167,761	1	157,391	1	146,821	1	132,269	1	117,301	1	102,325
1/4	1/4		1/4	188,215	1/4	177,880	1/4	167,545	1/4	157,175	1/4	146,558	1/4	131,958	1/4	116,989	1/4	102,013
1/2	1/4		1/2	187,999	1/4	177,664	1/2	167,329	1/2	156,959	1/2	146,295	1/2	131,646	1/2	116,677	1/2	101,700
3/4	3/4		3/4	187,784	3/4	177,449	3/4	167,114	3/4	156,743	3/4	146,032	3/4	131,334	3/4	116,365	3/4	101,388
2	3/4		2	187,569	2	177,234	2	166,898	2	156,527	2	145,769	2	131,022	2	116,053	2	101,076
_									\leftarrow		-		-				-	•
1/4	1/4		1/4	187,353	1/4	177,018	1/4	166,682	1/4	156,311	1/4	145,491	1/4	130,710	1/4	115,741	1/4	100,764
1/2	1/2		1/2	187,138	1/2	176,803	1/2	166,466	1/2	156,095	1/2	145,212	1/2	130,398	1/2	115,429	1/2	100,451
3/4	3/4		3/4	186,922	3/4	176,588	3/4	166,250	3/4	155,879	3/4	144,933	3/4	130,086	3/4	115,118	3/4	100,139
3	3		3	186,707	3	176,373	3	166,034	3	155,663	3	144,655	3	129,775	3	114,806	3	99,827
1/4	1/4		1/4	186,492	1/4	176,157	1/4	165,818	1/4	155,447	1/4	144,360	1/4	129,463	1/4	114,494	1/4	99,514
1/2	1/2		1/2	186,276	1/2	175,942	1/2	165,602	1/2	155,231	1/2	144,065	1/2	129,151	1/2	114,182	1/2	99,202
3/4	3/4		3/4	186,061	3/4	175,727	3/4	165,386	3/4	155,015	3/4	143,770	3/4	128,839	3/4	113,870	3/4	98,890
4	4		4	185,846	4	175,511	4	165,169	4	154,799	4	143,476	4	128,527	4	113,558	4	98,578
1/4	1/4		1/4	185,630	1/4	175,296	1/4	164,953	1/4	154,583	1/4	143,169	1/4	128,215	1/4	113,246	1/4	98,266
1/2	1/2		1/2	185,415	1/2	175,081	1/2	164,737	1/2	154,367	1/2	142,861	1/2	127,903	1/2	112,935	1/2	97,953
3/4	3/4		3/4	185,200	3/4	174,865	3/4	164,521	3/4	154,151	3/4	142,554	3/4	127,592	3/4	112,623	3/4	97,641
5	5		5	184,984	5	174,650	5	164,305	5	153,934	5	142,247	5	127,280	5	112,311	5	97,329
1/4	1/4		1/4	184,769	1/4	174,435	1/4	164,089	1/4	153,718	1/4	141,936	1/4	126,968	1/4	111,999	1/4	97,017
1/2	1/2		1/2	184,554	1/2	174,220	1/2	163,873	1/2	153,502	1/2	141,624	1/2	126,656	1/2	111,687	1/2	96,705
3/4	3/4		3/4	184,339	3/4	174,004	3/4	163,657	3/4	153,286	3/4	141,313	3/4	126,344	3/4	111,375	3/4	96,393
6	6		6	184,123	6	173,789	6	163,441	6	153,070	6	141,001	6	126,032	6	111,063	6	96,081
1/4	1/4		1/4	183,908	1/4	173,574	1/4	163,225	1/4	152,854	1/4	140,689	1/4	125,721	1/4	110,752	1/4	95,769
	1/4		1/4	183,693	1/4	173,358	1/2	163,009	1/2	152,638	1/2	140,377	1/2	125,721	1/2	110,732	1/2	95,457
1/2 3/4	3/4		3/4	183,477	3/4	173,143	3/4	162,793	3/4	152,422	3/4	140,066	3/4	125,409	3/4	110,128	3/4	95,145
7	7		7	183,262	7	172,928	7	162,577	7	152,206	7	139,754	7	124,785	7	109,816	7	94,833
_			-		-	· · · · · · · · · · · · · · · · · · ·	-		-		-				-	•	-	
1/4	1/4		1/4	183,047	1/4	172,712	1/4	162,361	1/4	151,990	1/4	139,442	1/4	124,473	1/4	109,504	1/4	94,521
1/2	1/2		1/2	182,831	1/2	172,497	1/2	162,145	1/2	151,774	1/2	139,130	1/2	124,161	1/2	109,192	1/2	94,209
3/4	3/4	100.010	3/4	182,616	3/4	172,282	3/4	161,929	3/4	151,558	3/4	138,818	3/4	123,849	3/4	108,880	3/4	93,897
8	8	192,043	8	182,401	8	172,067	8	161,713	8	151,342	8	138,506	8	123,538	8	108,568	8	93,585
1/4	1/4	191,919	1/4	182,186	1/4	171,851	1/4	161,496	1/4	151,126	1/4	138,195	1/4	123,226	1/4	108,256	1/4	93,273
1/2	1/2	191,796	1/2	181,970	1/2	171,636	1/2	161,280	1/2	150,910	1/2	137,883	1/2	122,914	1/2	107,945	1/2	92,961
3/4	3/4	191,672	3/4	181,755	3/4	171,421	3/4	161,064	3/4	150,694	3/4	137,571	3/4	122,602	3/4	107,633	3/4	92,649
9	9	191,548	9	181,540	9	171,205	9	160,848	9	150,478	9	137,259	9	122,290	9	107,321	9	92,337
1/4	1/4	191,389	1/4	181,324	1/4	170,990	1/4	160,632	1/4	150,261	1/4	136,947	1/4	121,978	1/4	107,008	1/4	92,025
1/2	1/2	191,229	1/2	181,109	1/2	170,775	1/2	160,416	1/2	150,045	1/2	136,635	1/2	121,666	1/2	106,696	1/2	91,713
3/4	3/4	191,069	3/4	180,894	3/4	170,560	3/4	160,200	3/4	149,829	3/4	136,323	3/4	121,355	3/4	106,384	3/4	91,401
10	10	190,910	10	180,678	10	170,344	10	159,984	10	149,613	10	136,012	10	121,043	10	106,072	10	91,089
1/4	1/4	190,716	1/4	180,463	1/4	170,129	1/4	159,768	1/4	149,394	1/4	135,700	1/4	120,731	1/4	105,760	1/4	90,777
1/2	1/2	190,523	1/2	180,248	1/2	169,914	1/2	159,552	1/2	149,174	1/2	135,388	1/2	120,419	1/2	105,448	1/2	90,465
3/4	3/4	190,330	3/4	180,033	3/4	169,698	3/4	159,336	3/4	148,955	3/4	135,076	3/4	120,107	3/4	105,135	3/4	90,153
11	11	190,137	11	179,817	11	169,483	11	159,120	11	148,735	11	134,764	11	119,795	11	104,823	11	89,841
1/4	1/4	189,925	1/4	179,602	1/4	169,268	1/4	158,904	1/4	148,504	1/4	134,452	1/4	119,483	1/4	104,511	1/4	89,529
1/2	1/4	189,714	1/4	179,387	1/4	169,052	1/2	158,688	1/2	148,273	1/2	134,141	1/2	119,172	1/2	104,198	1/2	89,217
3/4	3/4	189,502	3/4	179,171	3/4	168,837	3/4	158,472	3/4	148,042	3/4	133,829	3/4	118,860	3/4	103,886	3/4	88,905
3/4	3/4	100,002	3/4	110,111	3/4	100,007	3/4	130,712	3/4	170,072	3/4	100,029	3/4					MED TANK ONLY.

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

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



3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

APACI	HES GIVEN IN WH	OLE GALL													GAUGE REIGH	
IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. ℕ	17 FT. ℕ	18 FT. ℕ	19 FT.
0	88,593	0	73,629	0	58,721	0	44,181	0	29,381	0	14,388	0	0	0	0	
/4	88,280	1/4	73,318	1/4	58,415	1/4	43,876	1/4	29,069	1/4	14,076	1/4	1/4	1/4	1/4	
/2	87,968	1/2	73,008	1/2	58,109	1/2	43,571	1/2	28,757	1/2	13,763	1/2	1/2	1/2	1/2	
/4	87,656	3/4	72,698	3/4	57,803	3/4	43,266	3/4	28,445	3/4	13,451	3/4	3/4	3/4	3/4	
	87,344	1	72,387	1	57,498	1	42,961	1	28,133	1	13,139	1	1	1	1	
4	87,032	1/4	72,077	1/4	57,194	1/4	42,656	1/4	27,820	1/4	12,826	1/4	1/4	1/4	1/4	
2	86,719	1/2	71,767	1/2	56,890	1/2	42,351	1/2	27,508	1/2	12,514	1/2	1/2	1/2	1/2	
4	86,407	3/4	71,456	3/4	56,585	3/4	42,046	3/4	27,196	3/4	12,201	3/4	3/4	3/4	3/4	
T	86,095	2	71,146	2	56,281	2	41,741	2	26,884	2	11,889	2	2	2	2	
1	85,782	1/4	70,836	1/4	55,979	1/4	41,436	1/4	26,571	1/4	11,576	1/4	1/4	1/4	1/4	
2	85,470	1/2	70,525	1/2	55,676	1/2	41,131	1/2	26,259	1/2	11,264	1/2	1/2	1/2	1/2	
4	85,158	3/4	70,215	3/4	55,374	3/4	40,826	3/4	25,947	3/4	10,951	3/4	3/4	3/4	3/4	
Ť	84,845	3	69,904	3	55,071	3	40,521	3	25,634	3	10,638	3	3	3/4	3	
1	84,533	1/4	69,594	1/4	54,769	1/4	40,215	1/4	25,322	1/4	10,326	1/4	1/4	1/4	1/4	
_	84,221		69,284		54,466		39,910		25,010		10,013	_				
2	83,908	1/2	68,973	1/2 3/4	54,164	1/2	39,605	1/2	24,697	1/2 3/4	9,700	1/2 3/4	1/2	1/2	1/2	
_	•	3/4				3/4	•	_						3/4		
4	83,596	4	68,663	4	53,861	4	39,300	4	24,385	4	9,387	4	4		4	
1	83,284	1/4	68,353	1/4	53,559	1/4	38,995	1/4	24,072	1/4	9,074	1/4	1/4	1/4	1/4	
2	82,971	1/2	68,042	1/2	53,256	1/2	38,690	1/2	23,760	1/2	8,761	1/2	1/2	1/2	1/2	
ŀ	82,659	3/4	67,732	3/4	52,953	3/4	38,385	3/4	23,448	3/4	8,448	3/4	3/4	3/4	3/4	
┙	82,347	5	67,421	5	52,651	5	38,080	5	23,135	5	8,136	5	5	5	5	
	82,034	1/4	67,111	1/4	52,348	1/4	37,775	1/4	22,823	1/4	7,823	1/4	1/4	1/4	1/4	
	81,722	1/2	66,801	1/2	52,046	1/2	37,470	1/2	22,510	1/2	7,510	1/2	1/2	1/2	1/2	
	81,410	3/4	66,490	3/4	51,743	3/4	37,165	3/4	22,198	3/4	7,198	3/4	3/4	3/4	3/4	
	81,097	6	66,180	6	51,441	6	36,860	6	21,886	6	6,885	6	6	6	6	
П	80,785	1/4	65,870	1/4	51,138	1/4	36,552	1/4	21,573	1/4	6,573	1/4	1/4	1/4	1/4	
2	80,473	1/2	65,559	1/2	50,836	1/2	36,243	1/2	21,261	1/2	6,260	1/2	1/2	1/2	1/2	
1	80,160	3/4	65,249	3/4	50,533	3/4	35,935	3/4	20,948	3/4	5,948	3/4	3/4	3/4	3/4	
	79,848	7	64,939	7	50,231	7	35,627	7	20,636	7	5,635	7	7	7	7	
1	79,536	1/4	64,628	1/4	49,928	1/4	35,315	1/4	20,324	1/4	5,322	1/4	1/4	1/4	1/4	
2	79,223	1/2	64,318	1/2	49,626	1/2	35,003	1/2	20,011	1/2	5,010	1/2	1/2	1/2	1/2	
ı	78,911	3/4	64,007	3/4	49,323	3/4	34,691	3/4	19,699	3/4	4,697	3/4	3/4	3/4	3/4	
1	78,599	8	63,697	8	49,021	8	34,379	8	19,386	8	4,385	8	8	8	8	
	78,287	1/4	63,386	1/4	48,718	1/4	34,067	1/4	19,074	1/4	4,073	1/4	1/4	1/4	1/4	
2	77,976	1/2	63,075	1/2	48,416	1/2	33,755	1/2	18,762	1/2	3,761	1/2	1/2	1/2	1/2	
	77,665	3/4	62,763	3/4	48,113	3/4	33,442	3/4	18,449	3/4	3,449	3/4	3/4	3/4	3/4	
\top	77,353	9	62,452	9	47,810	9	33,130	9	18,137	9	3,137	9	9	9	9	
	77,043	1/4	62,140	1/4	47,508	1/4	32,817	1/4	17,824	1/4	2,845	1/4	1/4	1/4	1/4	
	76,732	1/2	61,828	1/2	47,206	1/2	32,505	1/2	17,512	1/4	2,552	1/4	1/4	1/4	1/2	
	76,732	3/4	61,516	3/4	46,904	3/4	32,193	3/4	17,200	3/4	2,260	3/4	3/4	3/4	3/4	
T	76,422	10	61,204	10	46,602	10	31,880	10	16,887	10	1,967	10	10	10	10	
-	75,801	-	60,892	-		-	31,568	-	16,575	-	1,732	_				
		1/4		1/4	46,300	1/4		1/4		1/4		1/4	1/4	1/4	1/4	
2	75,491	1/2	60,580	1/2	45,998	1/2	31,255	1/2	16,262	1/2	1,498	1/2	1/2	1/2	1/2	
1	75,181	3/4	60,268	3/4	45,697	3/4	30,943	3/4	15,950	3/4	1,263	3/4	3/4	3/4	3/4	
Ц	74,870	11	59,956	11	45,395	11	30,631	11	15,638	11	1,028	11	11	11	11	
4	74,560	1/4	59,647	1/4	45,092	1/4	30,318	1/4	15,325	1/4		1/4	1/4	1/4	1/4	
2	74,250	1/2	59,338	1/2	44,788	1/2	30,006	1/2	15,013	1/2		1/2	1/2	1/2	1/2	
4	73,939	3/4	59,029	3/4	44,485	3/4	29,694	3/4	14,701	3/4		3/4	3/4	3/4	3/4	

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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

The Jacame



3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 15'-11"

5/11 /101	TIES GIVEN IN WHO	JLE GAL															GAUGE	, , , , , , , , , , , , , , , , , , , ,	
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	190,263	0	179,932	0	169,601	0	159,238	0	148,796	0	134,477	0	119,480	0	104,478
1/4		1/4		1/4	190,048	1/4	179,717	1/4	169,386	1/4	159,022	1/4	148,548	1/4	134,165	1/4	119,168	1/4	104,165
1/2		1/2		1/2	189,833	1/2	179,502	1/2	169,171	1/2	158,806	1/2	148,301	1/2	133,853	1/2	118,855	1/2	103,852
3/4		3/4		3/4	189,618	3/4	179,286	3/4	168,955	3/4	158,590	3/4	148,054	3/4	133,540	3/4	118,543	3/4	103,540
1		1		1	189,403	1	179,071	1	168,740	1	158,374	1	147,806	1	133,228	1	118,231	1	103,227
\rightarrow		_					· · · · · · · · · · · · · · · · · · ·	-		-		-		-		-		\vdash	
1/4		1/4		1/4	189,188	1/4	178,856	1/4	168,525	1/4	158,158	1/4	147,543	1/4	132,915	1/4	117,918	1/4	102,914
1/2		1/2		1/2	188,973	1/2	178,641	1/2	168,309	1/2	157,942	1/2	147,280	1/2	132,603	1/2	117,606	1/2	102,601
3/4		3/4		3/4	188,757	3/4	178,426	3/4	168,093	3/4	157,726	3/4	147,017	3/4	132,290	3/4	117,293	3/4	102,288
2		2		2	188,542	2	178,210	2	167,878	2	157,510	2	146,753	2	131,978	2	116,981	2	101,975
1/4		1/4		1/4	188,327	1/4	177,995	1/4	167,662	1/4	157,294	1/4	146,474	1/4	131,665	1/4	116,668	1/4	101,662
1/2		1/2		1/2	188,111	1/2	177,780	1/2	167,446	1/2	157,078	1/2	146,195	1/2	131,353	1/2	116,356	1/2	101,350
3/4		3/4		3/4	187,896	3/4	177,565	3/4	167,230	3/4	156,862	3/4	145,916	3/4	131,041	3/4	116,043	3/4	101,037
3		3		3	187,681	3	177,349	3	167,014	3	156,646	3	145,636	3	130,728	3	115,731	3	100,724
1/4		1/4		1/4	187,465	1/4	177,134	1/4	166,798	1/4	156,430	1/4	145,341	1/4	130,416	1/4	115,419	1/4	100,411
1/2		1/2		1/2	187,250	1/2	176,919	1/2	166,582	1/2	156,214	1/2	145,046	1/2	130,103	1/2	115,106	1/2	100,098
3/4		3/4		3/4	187,035	3/4	176,704	3/4	166,366	3/4	155,998	3/4	144,750	3/4	129,791	3/4	114,794	3/4	99,785
		3/4					•		· · · · · · · · · · · · · · · · · · ·				•	_	•				
4		_		4	186,820	4	176,488	4	166,150	4	155,782	4	144,455	4	129,478	4	114,481	4	99,472
1/4		1/4		1/4	186,604	1/4	176,273	1/4	165,934	1/4	155,566	1/4	144,147	1/4	129,166	1/4	114,169	1/4	99,160
1/2		1/2		1/2	186,389	1/2	176,058	1/2	165,718	1/2	155,350	1/2	143,840	1/2	128,853	1/2	113,856	1/2	98,847
3/4		3/4		3/4	186,174	3/4	175,843	3/4	165,502	3/4	155,134	3/4	143,532	3/4	128,541	3/4	113,544	3/4	98,534
5		5		5	185,959	5	175,628	5	165,286	5	154,918	5	143,224	5	128,229	5	113,231	5	98,221
1/4		1/4		1/4	185,743	1/4	175,412	1/4	165,070	1/4	154,702	1/4	142,912	1/4	127,916	1/4	112,919	1/4	97,908
1/2		1/2		1/2	185,528	1/2	175,197	1/2	164,854	1/2	154,486	1/2	142,600	1/2	127,604	1/2	112,607	1/2	97,595
3/4		3/4		3/4	185,313	3/4	174,982	3/4	164,638	3/4	154,270	3/4	142,288	3/4	127,291	3/4	112,294	3/4	97,282
6		6		6	185,098	6	174,767	6	164,422	6	154,054	6	141,976	6	126,979	6	111,982	6	96,970
1/4		1/4		1/4	184,882	1/4	174,551	1/4	164,206	1/4	153,838	1/4	141,663	1/4	126,666	1/4	111,669	1/4	96,657
		1/2			184,667	1/2	174,336	1/2	163,990	1/2	153,622	1/2	141,351	1/2	126,354	1/2	111,357	1/2	96,344
1/2 3/4		3/4		1/2 3/4	184,452	3/4	174,121	3/4	163,774	3/4	153,406	3/4	141,039	3/4	126,042	3/4	111,044	3/4	96,031
		3/4 7		_		_		_				_	•						
7		-		7	184,237	7	173,906	7	163,558	7	153,190	7	140,726	7	125,729	7	110,732	7	95,718
1/4		1/4		1/4	184,022	1/4	173,690	1/4	163,342	1/4	152,974	1/4	140,414	1/4	125,417	1/4	110,419	1/4	95,405
1/2		1/2		1/2	183,806	1/2	173,475	1/2	163,126	1/2	152,758	1/2	140,101	1/2	125,104	1/2	110,107	1/2	95,092
3/4		3/4		3/4	183,591	3/4	173,260	3/4	162,910	3/4	152,542	3/4	139,789	3/4	124,792	3/4	109,794	3/4	94,780
8		8	193,015	8	183,376	8	173,045	8	162,694	8	152,326	8	139,476	8	124,479	8	109,482	8	94,467
1/4		1/4	192,891	1/4	183,161	1/4	172,830	1/4	162,478	1/4	152,110	1/4	139,164	1/4	124,167	1/4	109,169	1/4	94,154
1/2		1/2	192,768	1/2	182,945	1/2	172,614	1/2	162,262	1/2	151,894	1/2	138,852	1/2	123,854	1/2	108,857	1/2	93,841
3/4		3/4	192,644	3/4	182,730	3/4	172,399	3/4	162,046	3/4	151,678	3/4	138,539	3/4	123,542	3/4	108,544	3/4	93,528
9		9	192,520	9	182,515	9	172,184	9	161,830	9	151,462	9	138,227	9	123,230	9	108,232	9	93,215
1/4		1/4	192,361	1/4	182,300	1/4	171,969	1/4	161,614	1/4	151,246	1/4	137,914	1/4	122,917	1/4	107,919	1/4	92,902
		1/4	192,201	1/4	182,084	1/4	171,753	1/4	161,398	1/4	151,240	1/4	137,602	1/4	122,605	1/4	107,606	1/4	92,590
1/2							,												
3/4		3/4	192,042	3/4	181,869	3/4	171,538	3/4	161,182	3/4	150,814	3/4	137,289	3/4	122,292	3/4	107,294	3/4	92,277
10		10	191,882	10	181,654	10	171,323	10	160,966	10	150,598	10	136,977	10	121,980	10	106,981	10	91,964
1/4		1/4	191,689	1/4	181,439	1/4	171,108	1/4	160,750	1/4	150,379	1/4	136,664	1/4	121,667	1/4	106,668	1/4	91,651
1/2		1/2	191,496	1/2	181,224	1/2	170,892	1/2	160,534	1/2	150,159	1/2	136,352	1/2	121,355	1/2	106,355	1/2	91,338
3/4		3/4	191,303	3/4	181,008	3/4	170,677	3/4	160,318	3/4	149,940	3/4	136,040	3/4	121,042	3/4	106,042	3/4	91,025
11		11	191,110	11	180,793	11	170,462	11	160,102	11	149,720	11	135,727	11	120,730	11	105,730	11	90,712
1/4		1/4	190,898	1/4	180,578	1/4	170,247	1/4	159,886	1/4	149,489	1/4	135,415	1/4	120,418	1/4	105,417	1/4	90,399
1/2		1/2	190,686	1/2	180,363	1/2	170,032	1/2	159,670	1/2	149,258	1/2	135,102	1/2	120,105	1/2	105,104	1/2	90,087
3/4		3/4	190,475	3/4	180,147	3/4	169,816	3/4	159,454	3/4	149,027	3/4	134,790	3/4	119,793	3/4	104,791	3/4	89,774
J/4		J/4	100,710	3/4	100,171	3/4	100,010	Jr4	100,707	J/4	170,021	3/4	107,130	J/4			RT FOR THE ABO		

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 THREADS ON "MMC" VALVE.
GAUGE POINT: (MMC) LOCATED 12'-09" OFF CENTERLINE AND 43'-00" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092

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

The Seams



CAPACITIES GIVEN IN WHOLE GALLONS

3 STBD ULLAGE TABLE

GAUGE HEIGHT 15'-11"

IN IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT. №	17 FT. N	18 FT. N	19 FT.
0	89,461	0	74,444	0	59,427	0	44,413	0	29,410	0	14,394	0	0	0	0	
1/4	89,148	1/4	74,131	1/4	59,114	1/4	44,100	1/4	29,098	1/4	14,081	1/4	1/4	1/4	1/4	
1/2	88,835	1/2	73,818	1/2	58,801	1/2	43,788	1/2	28,785	1/2	13,768	1/2	1/2	1/2	1/2	
3/4	88,522	3/4	73,505	3/4	58,488	3/4	43,476	3/4	28,472	3/4	13,455	3/4	3/4	3/4	3/4	
1	88,209	1	73,192	1	58,175	1	43,163	1	28,159	1	13,142	1	1	1	1	
1/4	87,897	1/4	72,879	1/4	57,862	1/4	42,851	1/4	27,846	1/4	12,830	1/4	1/4	1/4	1/4	
1/2	87,584	1/2	72,567	1/2	57,549	1/2	42,538	1/2	27,533	1/2	12,517	1/2	1/2	1/2	1/2	
3/4	87,271	3/4	72,254	3/4	57,237	3/4	42,226	3/4	27,221	3/4	12,204	3/4	3/4	3/4	3/4	
2	86,958	2	71,941	2	56,924	2	41,914	2	26,908	2	11,891	2	2	2	2	
1/4	86,645	1/4	71,628	1/4	56,611	1/4	41,601	1/4	26,595	1/4	11,578	1/4	1/4	1/4	1/4	
1/2	86,332	1/2	71,315	1/2	56,298	1/2	41,289	1/2	26,282	1/2	11,265	1/2	1/2	1/2	1/2	
3/4	86,019	3/4	71,002	3/4	55,985	3/4	40,977	3/4	25,969	3/4	10,952	3/4	3/4	3/4	3/4	
3	85,707	3	70,689	3	55,672	3	40,664	3	25,656	3	10,640	3	3	3	3	
1/4	85,394	1/4	70,377	1/4	55,359	1/4	40,352	1/4	25,343	1/4	10,327	1/4	1/4	1/4	1/4	
1/2	85,081	1/2	70,064	1/2	55,047	1/2	40,040	1/2	25,031	1/2	10,014	1/2	1/2	1/2	1/2	
3/4	84,768	3/4	69,751	3/4	54,734	3/4	39,727	3/4	24,718	3/4	9,701	3/4	3/4	3/4	3/4	
4	84,455	4	69,438	4	54,421	4	39,415	4	24,405	4	9,388	4	4	4	4	
1/4	84,142	1/4	69,125	1/4	54,108	1/4	39,102	1/4	24,092	1/4	9,075	1/4	1/4	1/4	1/4	
1/2	83,829	1/2	68,812	1/2	53,795	1/2	38,790	1/2	23,779	1/4	8,763	1/2	1/4	1/4	1/4	
3/4	83,517	3/4	68,499	3/4	53,482	3/4	38,478	3/4	23,466	3/4	8,450	3/4	3/4	3/4	3/4	
5	83,204	5	68,187	5	53,169	5	38,165	5	23,154	5	8,137	5	5	5	5	
	82,891	$\overline{}$	67,874	-	52,857	-	37,853	-	22,841	-	7,824					
1/4	82,578	1/4	67,561	1/4	52,544	1/4	37,541	1/4	22,528	1/4	7,511	1/4	1/4	1/4	1/4	
1/2 3/4	82,265	3/4	67,248	3/4	52,344	1/2 3/4	37,341	3/4	22,326	3/4	7,198	3/4	1/2	3/4	3/4	
6	81,952	6	66,935	6	51,918	6	36,916	6	21,902	6	6,885	6	6	6	3/4	
_	81,639	-	66,622	-	51,605	-		\vdash			6,573					
1/4		1/4		1/4		1/4	36,604	1/4	21,589	1/4		1/4	1/4	1/4	1/4	
1/2	81,327	1/2	66,309	1/2	51,292 50,979	1/2	36,291 35,979	1/2	21,276	1/2	6,260 5,947	1/2	1/2	1/2	1/2	
3/4 7	81,014	3/4	65,997	3/4 7		3/4	•	3/4	20,964	3/4 7		3/4 7	3/4 7	3/4	3/4	
_	80,701	7	65,684	-	50,667	7	35,666	7	20,651		5,634					
1/4	80,388	1/4	65,371	1/4	50,354	1/4	35,354	1/4	20,338	1/4	5,322	1/4	1/4	1/4	1/4	
1/2	80,075	1/2	65,058	1/2	50,041	1/2	35,041	1/2	20,025	1/2	5,009	1/2	1/2	1/2	1/2	
3/4	79,762	3/4	64,745	3/4	49,728	3/4	34,729	3/4	19,712	3/4	4,696	3/4 8	3/4	3/4	3/4	
8	79,449	8	64,432	8	49,415	8	34,416	8	19,399	8	4,384				L	
1/4	79,137	1/4	64,119	1/4	49,102	1/4	34,103	1/4	19,087	1/4	4,072	1/4	1/4	1/4	1/4	
1/2	78,824	1/2	63,807	1/2	48,789	1/2	33,790	1/2	18,774	1/2	3,760	1/2	1/2	1/2	1/2	
3/4	78,511	3/4	63,494	3/4	48,477	3/4	33,478	3/4	18,461	3/4	3,448	3/4	3/4	3/4	3/4	
9	78,198	9	63,181	9	48,164	9	33,165	9	18,148	9	3,136	9	9	9	9	
1/4	77,885	1/4	62,868	1/4	47,851	1/4	32,852	1/4	17,835	1/4	2,844	1/4	1/4	1/4	1/4	
1/2	77,572	1/2	62,555	1/2	47,538	1/2	32,539	1/2	17,522	1/2	2,551	1/2	1/2	1/2	1/2	
3/4	77,259	3/4	62,242	3/4	47,226	3/4	32,226	3/4	17,209	3/4	2,259	3/4	3/4	3/4	3/4	
10	76,947	10	61,929	10	46,913	10	31,913	10	16,897	10	1,966	10	10	10	10	
1/4	76,634	1/4	61,617	1/4	46,600	1/4	31,600	1/4	16,584	1/4	1,732	1/4	1/4	1/4	1/4	
1/2	76,321	1/2	61,304	1/2	46,288	1/2	31,288	1/2	16,271	1/2	1,497	1/2	1/2	1/2	1/2	
3/4	76,008	3/4	60,991	3/4	45,975	3/4	30,975	3/4	15,958	3/4	1,262	3/4	3/4	3/4	3/4	
11	75,695	11	60,678	11	45,663	11	30,662	11	15,645	11	1,028	11	11	11	11	
1/4	75,382	1/4	60,365	1/4	45,350	1/4	30,349	1/4	15,332	1/4		1/4	1/4	1/4	1/4	
1/2	75,069	1/2	60,052	1/2	45,038	1/2	30,036	1/2	15,019	1/2		1/2	1/2	1/2	1/2	
3/4	74,757	3/4	59,739	3/4	44,725	3/4	29,723	3/4	14,707	3/4	-	3/4	3/4	3/4	3/4	

STRAPPED: 02/21/2012 CL - SW CALCULATED: 02/22/2012 CL PRINTED: 02/22/2012 SW

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



PORT SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/4"

	IES GIVEN IN WHO																GAUGE HEIGH	
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. N	9 FT.
0		0		0	4,825	0	3,674	0	2,521	0	1,369	0	216	0		0	0	
1/4		1/4		1/4	4,801	1/4	3,650	1/4	2,497	1/4	1,345	1/4	192	1/4		1/4	1/4	
1/2		1/2		1/2	4,777	1/2	3,626	1/2	2,473	1/2	1,321	1/2	168	1/2		1/2	1/2	
3/4		3/4		3/4	4,754	3/4	3,602	3/4	2,449	3/4	1,297	3/4	144	3/4		3/4	3/4	
1		1		1	4,730	1	3,578	1	2,426	1	1,273	1	120	1		1	1	
1/4		1/4		1/4	4,706	1/4	3,553	1/4	2,402	1/4	1,249	1/4	96	1/4		1/4	1/4	
1/2		1/2		1/2	4,682	1/2	3,529	1/2	2,378	1/2	1,225	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,658	3/4	3,505	3/4	2,354	3/4	1,201	3/4		3/4		3/4	3/4	
2		2		2	4,634	2	3,481	2	2,330	2	1,177	2		2		2	2	
1/4		1/4		1/4	4,610	1/4	3,457	1/4	2,306	1/4	1,153	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,586	1/2	3,433	1/2	2,282	1/2	1,129	1/4		1/2		1/2	1/2	
3/4		3/4		3/4	4,562	3/4	3,409	3/4	2,258	3/4	1,105	3/4		3/4		3/4	3/4	
3		3		3	4,538	3	3,385	3	2,234	3	1,081	3		3		3	3/4	
_		\rightarrow		-	4,514		3,361		2,210	_	1,057	-						
1/4		1/4		1/4	4,514	1/4		1/4		1/4	1,037	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,490	1/2	3,337 3,313	1/2	2,186 2,162	1/2	1,033	1/2		1/2		1/2	1/2	-
3/4		3/4		3/4	,	3/4	,	3/4		3/4		3/4		3/4	•	3/4 4	3/4	
4		4		4	4,442	4	3,289	4	2,138	4	985	4		4			4	
1/4		1/4		1/4	4,418	1/4	3,265	1/4	2,114	1/4	961	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,394	1/2	3,241	1/2	2,090	1/2	937	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,370	3/4	3,217	3/4	2,066	3/4	913	3/4		3/4		3/4	3/4	
5		5		5	4,346	5	3,193	5	2,042	5	889	5		5		5	5	
/4		1/4		1/4	4,322	1/4	3,169	1/4	2,017	1/4	865	1/4		1/4		1/4	1/4	
/2		1/2		1/2	4,298	1/2	3,145	1/2	1,993	1/2	841	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,274	3/4	3,121	3/4	1,969	3/4	817	3/4		3/4		3/4	3/4	
6		6		6	4,250	6	3,097	6	1,945	6	793	6		6		6	6	
1/4		1/4		1/4	4,226	1/4	3,073	1/4	1,921	1/4	769	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,202	1/2	3,049	1/2	1,897	1/2	745	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,178	3/4	3,025	3/4	1,873	3/4	721	3/4		3/4		3/4	3/4	
7		7		7	4,154	7	3,001	7	1,849	7	697	7		7		7	7	
1/4		1/4		1/4	4,130	1/4	2.977	1/4	1.825	1/4	673	1/4		1/4		1/4	1/4	
1/2		1/2		1/2	4,106	1/2	2,953	1/2	1,801	1/2	649	1/2		1/2		1/2	1/2	
3/4		3/4		3/4	4,082	3/4	2,929	3/4	1,777	3/4	625	3/4		3/4		3/4	3/4	
8		8		8	4,058	8	2,905	8	1,753	8	601	8		8		8	8	
/4		1/4	5,131	1/4	4,034	1/4	2,881	1/4	1,729	1/4	577	1/4		1/4		1/4	1/4	1
1/2		1/4	5,119	1/4	4,010	1/4	2,857	1/4	1,705	1/4	552	1/4		1/4		1/4	1/4	
3/4		3/4	5,119	3/4	3,986	3/4	2,833	3/4	1,681	3/4	528	3/4		3/4		3/4	3/4	
9		9	5,096	9	3,962	9	2,809	9	1,657	9	504	9		9	i	9	3/4	
_		_										_				_		_
1/4		1/4	5,084	1/4	3,938	1/4	2,785	1/4	1,633	1/4	480	1/4		1/4		1/4	1/4	
/2		1/2	5,061	1/2	3,914	1/2	2,761	1/2	1,609	1/2	456	1/2		1/2		1/2	1/2	-
/4		3/4	5,037	3/4	3,890	3/4	2,737	3/4	1,585	3/4	432	3/4		3/4	ı	3/4	3/4	
0		10	5,014	10	3,866	10	2,713	10	1,561	10	408	10		10		10	10	<u> </u>
/4		1/4	4,990	1/4	3,842	1/4	2,689	1/4	1,537	1/4	384	1/4		1/4		1/4	1/4	
/2		1/2	4,967	1/2	3,818	1/2	2,665	1/2	1,513	1/2	360	1/2		1/2		1/2	1/2	
3/4		3/4	4,943	3/4	3,794	3/4	2,641	3/4	1,489	3/4	336	3/4		3/4		3/4	3/4	
11		11	4,919	11	3,770	11	2,617	11	1,465	11	312	11		11		11	11	
1/4		1/4	4,896	1/4	3,746	1/4	2,593	1/4	1,441	1/4	288	1/4		1/4		1/4	1/4	
1/2		1/2	4,872	1/2	3,722	1/2	2,569	1/2	1,417	1/2	264	1/2		1/2		1/2	1/2	
3/4		3/4	4,848	3/4	3,698	3/4	2,545	3/4	1,393	3/4	240	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 THREADS ON "MMC" VALVE.

STRAPPED: 02/15/2012 CL - SW CALCULATED: 02/16/2012 CL PRINTED: 02/16/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT & ANALYSIS, INC. P.O. Box 2092

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



STBD SLOP ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 6'-01 1/2"

APACITIES GIVEN IN	WHOLE GALLON															GAUGE HEIG	піс	
N 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. ⊩		9 FT.
0	0		0	4,848	0	3,698	0	2,545	0	1,393	0	240	0		0	0)	
1/4	1/4		1/4	4,825	1/4	3,674	1/4	2,521	1/4	1,369	1/4	216	1/4		1/4	1/-	4	
1/2	1/2		1/2	4,801	1/2	3,650	1/2	2,497	1/2	1,345	1/2	192	1/2		1/2	1/.	2	
3/4	3/4		3/4	4,777	3/4	3,626	3/4	2,473	3/4	1,321	3/4	168	3/4		3/4	3/	4	
1	1		1	4,754	1	3,602	1	2,449	1	1,297	1	144	1		1	1		
1/4	1/4		1/4	4,730	1/4	3,578	1/4	2,426	1/4	1,273	1/4	120	1/4		1/4	1/-	4	-
1/2	1/2		1/2	4,706	1/2	3,553	1/2	2,402	1/2	1,249	1/2	96	1/2		1/2	1/.	2	
3/4	3/4		3/4	4,682	3/4	3,529	3/4	2,378	3/4	1,225	3/4	=	3/4		3/4	3/-	4	
2	2		2	4,658	2	3,505	2	2,354	2	1,201	2		2		2	2	!	
1/4	1/4		1/4	4,634	1/4	3,481	1/4	2,330	1/4	1,177	1/4		1/4		1/4	1/-	4	
/2	1/2		1/2	4,610	1/2	3,457	1/2	2,306	1/2	1,153	1/2		1/2		1/2	1/	_	
8/4	3/4		3/4	4,586	3/4	3,433	3/4	2,282	3/4	1,129	3/4		3/4		3/4	3/-	_	
3	3		3	4.562	3	3,409	3	2,258	3	1,105	3		3		3	3	_	
1/4	1/4		1/4	4,538	1/4	3,385	1/4	2,234	1/4	1,081	1/4		1/4		1/4	1/-	_	
1/2	1/4		1/2	4,514	1/2	3,361	1/2	2,210	1/4	1,057	1/4		1/2		1/2	1/-	_	
1/4	3/4		3/4	4,490	3/4	3,337	3/4	2,186	3/4	1,037	3/4		3/4		3/4	3/	_	
4	4		4	4,466	4	3,313	4	2,162	4	1,009	4		4		4	4		
_				4,442	\rightarrow	3,289	_	2,138	_	985	_		-				_	
1/4	1/4		1/4		1/4		1/4		1/4		1/4		1/4		1/4	1/-	_	
/2	1/2		1/2	4,418	1/2	3,265	1/2	2,114	1/2	961 937	1/2		1/2		1/2	1/.	_	
/4	3/4		3/4	4,394	3/4	3,241	3/4	2,090	3/4		3/4		3/4		3/4	3/-	_	
5	5		5	4,370	5	3,217	5	2,066	5	913	5		5		5	5	_	
/4	1/4		1/4	4,346	1/4	3,193	1/4	2,042	1/4	889	1/4		1/4		1/4	1/-		
/2	1/2		1/2	4,322	1/2	3,169	1/2	2,017	1/2	865	1/2		1/2		1/2	1/.		
4/4	3/4		3/4	4,298	3/4	3,145	3/4	1,993	3/4	841	3/4		3/4		3/4	3/-	_	
6	6		6	4,274	6	3,121	6	1,969	6	817	6		6		6	6	i	
/4	1/4		1/4	4,250	1/4	3,097	1/4	1,945	1/4	793	1/4		1/4		1/4	1/-	4	
1/2	1/2		1/2	4,226	1/2	3,073	1/2	1,921	1/2	769	1/2		1/2		1/2	1/.	2	
3/4	3/4		3/4	4,202	3/4	3,049	3/4	1,897	3/4	745	3/4		3/4		3/4	3/-	4	
7	7		7	4,178	7	3,025	7	1,873	7	721	7		7		7	7		
1/4	1/4		1/4	4,154	1/4	3,001	1/4	1,849	1/4	697	1/4		1/4		1/4	1/-	4	
1/2	1/2		1/2	4,130	1/2	2,977	1/2	1,825	1/2	673	1/2		1/2		1/2	1/.	2	
3/4	3/4		3/4	4,106	3/4	2,953	3/4	1,801	3/4	649	3/4		3/4		3/4	3/-	4	
8	8		8	4,082	8	2,929	8	1,777	8	625	8		8		8	8	;	
/4	1/4		1/4	4,058	1/4	2,905	1/4	1,753	1/4	601	1/4		1/4		1/4	1/-	4	
/2	1/2	5,131	1/2	4,034	1/2	2,881	1/2	1,729	1/2	577	1/2		1/2		1/2	1/.		
/4	3/4	5,119	3/4	4,010	3/4	2,857	3/4	1,705	3/4	552	3/4		3/4		3/4	3/-	4	
9	9	5,108	9	3,986	9	2,833	9	1,681	9	528	9		9	1	9	9	,	
/4	1/4	5,096	1/4	3,962	1/4	2,809	1/4	1,657	1/4	504	1/4		1/4		1/4	1/-	4	
/2	1/2	5,084	1/2	3,938	1/2	2,785	1/2	1,633	1/2	480	1/2		1/2		1/2	1/		
1/4	3/4	5,061	3/4	3,914	3/4	2,761	3/4	1,609	3/4	456	3/4		3/4		3/4	3/	_	
0	10	5,037	10	3,890	10	2,737	10	1,585	10	432	10		10		10	11	_	
/4	1/4	5.014	1/4	3,866	1/4	2,713	1/4	1,561	1/4	408	1/4		1/4		1/4	1/	_	
1/2	1/4	4,990	1/4	3,842	1/4	2,689	1/4	1,537	1/4	384	1/4		1/4		1/4	1/-		
8/4	3/4	4,967	3/4	3,818	3/4	2,665	3/4	1,513	3/4	360	3/4		3/4		3/4	3/	_	
11	11	4,943	11		11		3/4		3/4	336	3/4		3/4		3/4	3/	_	
				3,794	-	2,641	-	1,489	_		_		-				_	
/4	1/4	4,919	1/4	3,770	1/4	2,617	1/4	1,465	1/4	312	1/4		1/4		1/4	1/-		
1/2	1/2	4,896	1/2	3,746	1/2	2,593	1/2	1,441	1/2	288	1/2		1/2		1/2	1/.	_	
3/4	3/4	4,872	3/4	3,722	3/4	2,569	3/4	1,417	3/4	264	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 THREADS ON "MMC" VALVE.

STRAPPED: 02/15/2012 CL - SW CALCULATED: 02/16/2012 CL PRINTED: 02/16/2012 CL

CANCELS AND SUPERCEDES ALL PRIOR TO 02/2012 CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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