



BARGE "EMS 3051"

ULLAGE TRIM TABLE (HERMETIC)

	1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.	
	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>	<u>BOW</u>	<u>STERN</u>
1 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
1 STBD	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-3/4	00-3/4	- 01-0/8	01-0/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 PORT	- 00-1/4	00-1/4	- 00-1/2	00-1/2	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-5/8	01-5/8
2 STBD	- 00-1/4	00-1/4	- 00-5/8	00-5/8	- 00-7/8	00-7/8	- 01-1/8	01-1/8	- 01-3/8	01-3/8	- 01-3/4	01-3/4
3 PORT	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8
3 STBD	- 00-1/8	00-1/8	- 00-1/4	00-1/4	- 00-1/4	00-1/4	- 00-3/8	00-3/8	- 00-1/2	00-1/2	- 00-5/8	00-5/8

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 2'-00"
 AFT DRAFT = 4'-00"
 DIFF. = 2'-00" (DOWN BY STERN)

THE CORRECTION FOR 2'-00" TRIM DOWN BY STERN FOR 1 PORT IS 00-1/2"
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 1 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/2"

LENGTH BETWEEN DRAFT MARKS: 237'-03"

October 8, 2014

PRECISION MEASUREMENT
 & ANALYSIS, INC.

P.O. Box 2092
 Pearland, Texas 77588

<http://www.pmacorp.net>



BARGE "EMS 3051"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

CABLE HEIGHT 10-93																			
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	205,956	0	193,910	0	180,906	0	167,117	0	153,180	0	139,244	0	125,306	0	111,367	0	97,429
1/4		1/4	205,721	1/4	193,648	1/4	180,625	1/4	166,826	1/4	152,890	1/4	138,954	1/4	125,015	1/4	111,077	1/4	97,139
1/2		1/2	205,486	1/2	193,386	1/2	180,344	1/2	166,536	1/2	152,600	1/2	138,663	1/2	124,725	1/2	110,787	1/2	96,848
3/4		3/4	205,252	3/4	193,125	3/4	180,064	3/4	166,246	3/4	152,309	3/4	138,373	3/4	124,434	3/4	110,496	3/4	96,558
1		1	205,017	1	192,863	1	179,783	1	165,955	1	152,019	1	138,082	1	124,144	1	110,206	1	96,267
1/4		1/4	204,774	1/4	192,600	1/4	179,501	1/4	165,665	1/4	151,729	1/4	137,792	1/4	123,854	1/4	109,915	1/4	95,977
1/2		1/2	204,531	1/2	192,337	1/2	179,219	1/2	165,375	1/2	151,438	1/2	137,502	1/2	123,563	1/2	109,625	1/2	95,687
3/4		3/4	204,289	3/4	192,073	3/4	178,936	3/4	165,084	3/4	151,148	3/4	137,211	3/4	123,273	3/4	109,335	3/4	95,396
2		2	204,046	2	191,810	2	178,654	2	164,794	2	150,858	2	136,921	2	122,983	2	109,044	2	95,106
1/4		1/4	203,802	1/4	191,546	1/4	178,370	1/4	164,504	1/4	150,567	1/4	136,631	1/4	122,692	1/4	108,754	1/4	94,816
1/2		1/2	203,558	1/2	191,281	1/2	178,087	1/2	164,213	1/2	150,277	1/2	136,340	1/2	122,402	1/2	108,463	1/2	94,525
3/4		3/4	203,313	3/4	191,016	3/4	177,803	3/4	163,923	3/4	149,987	3/4	136,050	3/4	122,111	3/4	108,173	3/4	94,235
3		3	203,069	3	190,752	3	177,520	3	163,632	3	149,696	3	135,759	3	121,821	3	107,883	3	93,944
1/4		1/4	202,821	1/4	190,484	1/4	177,234	1/4	163,342	1/4	149,406	1/4	135,469	1/4	121,531	1/4	107,592	1/4	93,654
1/2		1/2	202,573	1/2	190,217	1/2	176,949	1/2	163,052	1/2	149,116	1/2	135,179	1/2	121,240	1/2	107,302	1/2	93,364
3/4		3/4	202,324	3/4	189,949	3/4	176,664	3/4	162,761	3/4	148,825	3/4	134,888	3/4	120,950	3/4	107,012	3/4	93,073
4		4	202,076	4	189,682	4	176,379	4	162,471	4	148,535	4	134,598	4	120,660	4	106,721	4	92,783
1/4		1/4	201,826	1/4	189,413	1/4	176,093	1/4	162,181	1/4	148,244	1/4	134,307	1/4	120,369	1/4	106,431	1/4	92,492
1/2		1/2	201,576	1/2	189,143	1/2	175,806	1/2	161,890	1/2	147,954	1/2	134,017	1/2	120,079	1/2	106,140	1/2	92,202
3/4		3/4	201,326	3/4	188,874	3/4	175,520	3/4	161,600	3/4	147,664	3/4	133,727	3/4	119,788	3/4	105,850	3/4	91,912
5		5	201,076	5	188,605	5	175,233	5	161,310	5	147,373	5	133,436	5	119,498	5	105,560	5	91,621
1/4		1/4	200,824	1/4	188,334	1/4	174,945	1/4	161,019	1/4	147,083	1/4	133,146	1/4	119,208	1/4	105,269	1/4	91,331
1/2		1/2	200,572	1/2	188,064	1/2	174,657	1/2	160,729	1/2	146,793	1/2	132,856	1/2	118,917	1/2	104,979	1/2	91,041
3/4		3/4	200,321	3/4	187,793	3/4	174,369	3/4	160,439	3/4	146,502	3/4	132,565	3/4	118,627	3/4	104,689	3/4	90,750
6		6	200,069	6	187,523	6	174,081	6	160,148	6	146,212	6	132,275	6	118,336	6	104,398	6	90,460
1/4		1/4	199,816	1/4	187,250	1/4	173,792	1/4	159,858	1/4	145,922	1/4	131,984	1/4	118,046	1/4	104,108	1/4	90,169
1/2		1/2	199,563	1/2	186,978	1/2	173,502	1/2	159,568	1/2	145,631	1/2	131,694	1/2	117,756	1/2	103,817	1/2	89,879
3/4		3/4	199,310	3/4	186,706	3/4	173,213	3/4	159,277	3/4	145,341	3/4	131,404	3/4	117,465	3/4	103,527	3/4	89,589
7		7	199,057	7	186,434	7	172,923	7	158,987	7	145,051	7	131,113	7	117,175	7	103,237	7	89,298
1/4		1/4	198,803	1/4	186,161	1/4	172,633	1/4	158,697	1/4	144,760	1/4	130,823	1/4	116,885	1/4	102,946	1/4	89,008
1/2		1/2	198,548	1/2	185,887	1/2	172,343	1/2	158,406	1/2	144,470	1/2	130,533	1/2	116,594	1/2	102,656	1/2	88,718
3/4		3/4	198,294	3/4	185,614	3/4	172,052	3/4	158,116	3/4	144,180	3/4	130,242	3/4	116,304	3/4	102,365	3/4	88,427
8		8	198,039	8	185,340	8	171,762	8	157,826	8	143,889	8	129,952	8	116,013	8	102,075	8	88,137
1/4		1/4	197,783	1/4	185,065	1/4	171,472	1/4	157,535	1/4	143,599	1/4	129,661	1/4	115,723	1/4	101,785	1/4	87,846
1/2		1/2	197,527	1/2	184,790	1/2	171,181	1/2	157,245	1/2	143,309	1/2	129,371	1/2	115,433	1/2	101,494	1/2	87,556
3/4		3/4	197,272	3/4	184,515	3/4	170,891	3/4	156,955	3/4	143,018	3/4	129,081	3/4	115,142	3/4	101,204	3/4	87,266
9		9	197,016	9	184,240	9	170,601	9	156,664	9	142,728	9	128,790	9	114,852	9	100,914	9	86,975
1/4		1/4	196,758	1/4	183,964	1/4	170,310	1/4	156,374	1/4	142,438	1/4	128,500	1/4	114,561	1/4	100,623	1/4	86,685
1/2		1/2	196,501	1/2	183,687	1/2	170,020	1/2	156,084	1/2	142,147	1/2	128,209	1/2	114,271	1/2	100,333	1/2	86,394
3/4		3/4	196,243	3/4	183,411	3/4	169,730	3/4	155,793	3/4	141,857	3/4	127,919	3/4	113,981	3/4	100,042	3/4	86,104
10		10	195,986	10	183,135	10	169,439	10	155,503	10	141,567	10	127,629	10	113,690	10	99,752	10	85,814
1/4		1/4	195,727	1/4	182,857	1/4	169,149	1/4	155,213	1/4	141,276	1/4	127,338	1/4	113,400	1/4	99,462	1/4	85,523
1/2		1/2	195,468	1/2	182,579	1/2	168,859	1/2	154,922	1/2	140,986	1/2	127,048	1/2	113,110	1/2	99,171	1/2	85,233
3/4		3/4	195,210	3/4	182,301	3/4	168,568	3/4	154,632	3/4	140,696	3/4	126,758	3/4	112,819	3/4	98,881	3/4	84,943
11		11	194,951	11	182,023	11	168,278	11	154,342	11	140,405	11	126,467	11	112,529	11	98,590	11	84,652
1/4		1/4	194,691	1/4	181,744	1/4	167,988	1/4	154,051	1/4	140,115	1/4	126,177	1/4	112,238	1/4	98,300	1/4	84,362
1/2	206,309	1/2	194,430	1/2	181,465	1/2	167,697	1/2	153,761	1/2	139,825	1/2	125,886	1/2	111,948	1/2	98,010	1/2	84,071
3/4	206,133	3/4	194,170	3/4	181,185	3/4	167,407	3/4	153,471	3/4	139,534	3/4	125,596	3/4	111,658	3/4	97,719	3/4	83,781

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 OF 2" OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 34'-06" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
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BARGE "EMS 3051"

1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	83,491	0	69,552	0	55,614	0	41,701	0	28,345	0	15,931	0	4,542	0		0			
1/4	83,200	1/4	69,262	1/4	55,324	1/4	41,412	1/4	28,077	1/4	15,684	1/4	4,318	1/4		1/4		1/4	
1/2	82,910	1/2	68,972	1/2	55,033	1/2	41,123	1/2	27,809	1/2	15,437	1/2	4,093	1/2		1/2		1/2	
3/4	82,619	3/4	68,681	3/4	54,743	3/4	40,835	3/4	27,540	3/4	15,190	3/4	3,868	3/4		3/4		3/4	
1	82,329	1	68,391	1	54,452	1	40,546	1	27,272	1	14,943	1	3,643	1		1		1	
1/4	82,039	1/4	68,100	1/4	54,162	1/4	40,259	1/4	27,005	1/4	14,698	1/4	3,421	1/4		1/4		1/4	
1/2	81,748	1/2	67,810	1/2	53,872	1/2	39,972	1/2	26,739	1/2	14,452	1/2	3,199	1/2		1/2		1/2	
3/4	81,458	3/4	67,520	3/4	53,581	3/4	39,685	3/4	26,472	3/4	14,207	3/4	2,977	3/4		3/4		3/4	
2	81,168	2	67,229	2	53,291	2	39,398	2	26,206	2	13,962	2	2,755	2		2		2	
1/4	80,877	1/4	66,939	1/4	53,001	1/4	39,114	1/4	25,941	1/4	13,718	1/4	2,536	1/4		1/4		1/4	
1/2	80,587	1/2	66,648	1/2	52,710	1/2	38,830	1/2	25,676	1/2	13,475	1/2	2,317	1/2		1/2		1/2	
3/4	80,296	3/4	66,358	3/4	52,420	3/4	38,545	3/4	25,411	3/4	13,231	3/4	2,098	3/4		3/4		3/4	
3	80,006	3	66,068	3	52,129	3	38,261	3	25,146	3	12,987	3	1,880	3		3		3	
1/4	79,716	1/4	65,777	1/4	51,839	1/4	37,979	1/4	24,883	1/4	12,746	1/4	1,692	1/4		1/4		1/4	
1/2	79,425	1/2	65,487	1/2	51,549	1/2	37,696	1/2	24,620	1/2	12,504	1/2	1,504	1/2		1/2		1/2	
3/4	79,135	3/4	65,197	3/4	51,258	3/4	37,414	3/4	24,357	3/4	12,262	3/4	1,315	3/4		3/4		3/4	
4	78,845	4	64,906	4	50,968	4	37,131	4	24,094	4	12,020	4	1,127	4		4		4	
1/4	78,554	1/4	64,616	1/4	50,677	1/4	36,851	1/4	23,833	1/4	11,780	1/4	1,009	1/4		1/4		1/4	
1/2	78,264	1/2	64,325	1/2	50,387	1/2	36,570	1/2	23,571	1/2	11,540	1/2	890	1/2		1/2		1/2	
3/4	77,973	3/4	64,035	3/4	50,097	3/4	36,289	3/4	23,310	3/4	11,300	3/4	771	3/4		3/4		3/4	
5	77,683	5	63,745	5	49,806	5	36,009	5	23,049	5	11,060	5	652	5		5		5	
1/4	77,393	1/4	63,454	1/4	49,516	1/4	35,730	1/4	22,789	1/4	10,822	1/4		1/4		1/4		1/4	
1/2	77,102	1/2	63,164	1/2	49,226	1/2	35,451	1/2	22,530	1/2	10,584	1/2		1/2		1/2		1/2	
3/4	76,812	3/4	62,874	3/4	48,935	3/4	35,172	3/4	22,270	3/4	10,346	3/4		3/4		3/4		3/4	
6	76,521	6	62,583	6	48,645	6	34,894	6	22,011	6	10,108	6		6		6		6	
1/4	76,231	1/4	62,293	1/4	48,355	1/4	34,617	1/4	21,753	1/4	9,871	1/4		1/4		1/4		1/4	
1/2	75,941	1/2	62,002	1/2	48,066	1/2	34,340	1/2	21,495	1/2	9,635	1/2		1/2		1/2		1/2	
3/4	75,650	3/4	61,712	3/4	47,777	3/4	34,063	3/4	21,237	3/4	9,398	3/4		3/4		3/4		3/4	
7	75,360	7	61,422	7	47,487	7	33,786	7	20,980	7	9,162	7		7		7		7	
1/4	75,070	1/4	61,131	1/4	47,198	1/4	33,511	1/4	20,724	1/4	8,927	1/4		1/4		1/4		1/4	
1/2	74,779	1/2	60,841	1/2	46,909	1/2	33,235	1/2	20,468	1/2	8,693	1/2		1/2		1/2		1/2	
3/4	74,489	3/4	60,550	3/4	46,619	3/4	32,960	3/4	20,212	3/4	8,458	3/4		3/4		3/4		3/4	
8	74,198	8	60,260	8	46,330	8	32,685	8	19,956	8	8,223	8		8		8		8	
1/4	73,908	1/4	59,970	1/4	46,041	1/4	32,411	1/4	19,702	1/4	7,990	1/4		1/4		1/4		1/4	
1/2	73,618	1/2	59,679	1/2	45,751	1/2	32,138	1/2	19,447	1/2	7,757	1/2		1/2		1/2		1/2	
3/4	73,327	3/4	59,389	3/4	45,462	3/4	31,864	3/4	19,193	3/4	7,525	3/4		3/4		3/4		3/4	
9	73,037	9	59,099	9	45,173	9	31,591	9	18,939	9	7,292	9		9		9		9	
1/4	72,747	1/4	58,808	1/4	44,883	1/4	31,319	1/4	18,687	1/4	7,061	1/4		1/4		1/4		1/4	
1/2	72,456	1/2	58,518	1/2	44,594	1/2	31,047	1/2	18,434	1/2	6,830	1/2		1/2		1/2		1/2	
3/4	72,166	3/4	58,227	3/4	44,305	3/4	30,775	3/4	18,182	3/4	6,598	3/4		3/4		3/4		3/4	
10	71,875	10	57,937	10	44,015	10	30,504	10	17,929	10	6,367	10		10		10		10	
1/4	71,585	1/4	57,647	1/4	43,726	1/4	30,233	1/4	17,679	1/4	6,138	1/4		1/4		1/4		1/4	
1/2	71,295	1/2	57,356	1/2	43,437	1/2	29,962	1/2	17,428	1/2	5,909	1/2		1/2		1/2		1/2	
3/4	71,004	3/4	57,066	3/4	43,147	3/4	29,692	3/4	17,177	3/4	5,680	3/4		3/4		3/4		3/4	
11	70,714	11	56,776	11	42,858	11	29,421	11	16,927	11	5,451	11		11		11		11	
1/4	70,423	1/4	56,485	1/4	42,569	1/4	29,152	1/4	16,678	1/4	5,224	1/4		1/4		1/4		1/4	
1/2	70,133	1/2	56,195	1/2	42,279	1/2	28,883	1/2	16,429	1/2	4,996	1/2		1/2		1/2		1/2	
3/4	69,843	3/4	55,904	3/4	41,990	3/4	28,614	3/4	16,180	3/4	4,769	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
CALCULATED: 10/08/2014 CL
PRINTED: 10/08/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
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BARGE "EMS 3051"

1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0	0	0	206,296	0	194,321	0	181,328	0	167,545	0	153,605	0	139,665	0	125,722	0	111,781	0	97,839
1/4	1/4	1/4	206,119	1/4	194,060	1/4	181,048	1/4	167,255	1/4	153,315	1/4	139,375	1/4	125,432	1/4	111,490	1/4	97,548
1/2	1/2	1/2	205,884	1/2	193,798	1/2	180,767	1/2	166,964	1/2	153,024	1/2	139,084	1/2	125,142	1/2	111,200	1/2	97,258
3/4	3/4	3/4	205,649	3/4	193,536	3/4	180,486	3/4	166,674	3/4	152,734	3/4	138,793	3/4	124,851	3/4	110,909	3/4	96,967
1	1	1	205,414	1	193,275	1	180,206	1	166,383	1	152,443	1	138,503	1	124,561	1	110,619	1	96,677
1/4	1/4	1/4	205,179	1/4	193,013	1/4	179,925	1/4	166,093	1/4	152,153	1/4	138,212	1/4	124,270	1/4	110,328	1/4	96,386
1/2	1/2	1/2	204,936	1/2	192,749	1/2	179,642	1/2	165,803	1/2	151,863	1/2	137,922	1/2	123,980	1/2	110,038	1/2	96,096
3/4	3/4	3/4	204,693	3/4	192,486	3/4	179,360	3/4	165,512	3/4	151,572	3/4	137,631	3/4	123,689	3/4	109,747	3/4	95,805
2	2	2	204,450	2	192,223	2	179,078	2	165,222	2	151,282	2	137,341	2	123,399	2	109,457	2	95,515
1/4	1/4	1/4	204,207	1/4	191,959	1/4	178,795	1/4	164,931	1/4	150,991	1/4	137,050	1/4	123,108	1/4	109,166	1/4	95,225
1/2	1/2	1/2	203,962	1/2	191,694	1/2	178,512	1/2	164,641	1/2	150,701	1/2	136,760	1/2	122,818	1/2	108,876	1/2	94,934
3/4	3/4	3/4	203,718	3/4	191,430	3/4	178,228	3/4	164,350	3/4	150,410	3/4	136,469	3/4	122,527	3/4	108,586	3/4	94,644
3	3	3	203,474	3	191,165	3	177,944	3	164,060	3	150,120	3	136,179	3	122,237	3	108,295	3	94,353
1/4	1/4	1/4	203,229	1/4	190,900	1/4	177,660	1/4	163,770	1/4	149,830	1/4	135,888	1/4	121,946	1/4	108,005	1/4	94,063
1/2	1/2	1/2	202,981	1/2	190,632	1/2	177,375	1/2	163,479	1/2	149,539	1/2	135,598	1/2	121,656	1/2	107,714	1/2	93,772
3/4	3/4	3/4	202,732	3/4	190,365	3/4	177,090	3/4	163,189	3/4	149,249	3/4	135,307	3/4	121,366	3/4	107,424	3/4	93,482
4	4	4	202,483	4	190,097	4	176,805	4	162,898	4	148,958	4	135,017	4	121,075	4	107,133	4	93,191
1/4	1/4	1/4	202,235	1/4	189,829	1/4	176,520	1/4	162,608	1/4	148,668	1/4	134,727	1/4	120,785	1/4	106,843	1/4	92,901
1/2	1/2	1/2	201,984	1/2	189,560	1/2	176,233	1/2	162,318	1/2	148,377	1/2	134,436	1/2	120,494	1/2	106,552	1/2	92,610
3/4	3/4	3/4	201,734	3/4	189,290	3/4	175,946	3/4	162,027	3/4	148,087	3/4	134,146	3/4	120,204	3/4	106,262	3/4	92,320
5	5	5	201,484	5	189,021	5	175,660	5	161,737	5	147,797	5	133,855	5	119,913	5	105,971	5	92,030
1/4	1/4	1/4	201,233	1/4	188,752	1/4	175,373	1/4	161,446	1/4	147,506	1/4	133,565	1/4	119,623	1/4	105,681	1/4	91,739
1/2	1/2	1/2	200,981	1/2	188,481	1/2	175,085	1/2	161,156	1/2	147,216	1/2	133,274	1/2	119,332	1/2	105,391	1/2	91,449
3/4	3/4	3/4	200,729	3/4	188,210	3/4	174,797	3/4	160,865	3/4	146,925	3/4	132,984	3/4	119,042	3/4	105,100	3/4	91,158
6	6	6	200,478	6	187,939	6	174,509	6	160,575	6	146,635	6	132,693	6	118,751	6	104,810	6	90,868
1/4	1/4	1/4	200,226	1/4	187,668	1/4	174,221	1/4	160,285	1/4	146,345	1/4	132,403	1/4	118,461	1/4	104,519	1/4	90,577
1/2	1/2	1/2	199,972	1/2	187,396	1/2	173,931	1/2	159,994	1/2	146,054	1/2	132,112	1/2	118,171	1/2	104,229	1/2	90,287
3/4	3/4	3/4	199,719	3/4	187,124	3/4	173,642	3/4	159,704	3/4	145,764	3/4	131,822	3/4	117,880	3/4	103,938	3/4	89,996
7	7	7	199,466	7	186,852	7	173,352	7	159,413	7	145,473	7	131,532	7	117,590	7	103,648	7	89,706
1/4	1/4	1/4	199,213	1/4	186,579	1/4	173,063	1/4	159,123	1/4	145,183	1/4	131,241	1/4	117,299	1/4	103,357	1/4	89,415
1/2	1/2	1/2	198,958	1/2	186,306	1/2	172,772	1/2	158,833	1/2	144,892	1/2	130,951	1/2	117,009	1/2	103,067	1/2	89,125
3/4	3/4	3/4	198,703	3/4	186,032	3/4	172,482	3/4	158,542	3/4	144,602	3/4	130,660	3/4	116,718	3/4	102,776	3/4	88,835
8	8	8	198,448	8	185,758	8	172,192	8	158,252	8	144,312	8	130,370	8	116,428	8	102,486	8	88,544
1/4	1/4	1/4	198,194	1/4	185,485	1/4	171,901	1/4	157,961	1/4	144,021	1/4	130,079	1/4	116,137	1/4	102,195	1/4	88,254
1/2	1/2	1/2	197,937	1/2	185,210	1/2	171,611	1/2	157,671	1/2	143,731	1/2	129,789	1/2	115,847	1/2	101,905	1/2	87,963
3/4	3/4	3/4	197,681	3/4	184,934	3/4	171,321	3/4	157,380	3/4	143,440	3/4	129,498	3/4	115,556	3/4	101,615	3/4	87,673
9	9	9	197,425	9	184,659	9	171,030	9	157,090	9	143,150	9	129,208	9	115,266	9	101,324	9	87,382
1/4	1/4	1/4	197,169	1/4	184,384	1/4	170,740	1/4	156,800	1/4	142,860	1/4	128,917	1/4	114,976	1/4	101,034	1/4	87,092
1/2	1/2	1/2	196,911	1/2	184,108	1/2	170,449	1/2	156,509	1/2	142,569	1/2	128,627	1/2	114,685	1/2	100,743	1/2	86,801
3/4	3/4	3/4	196,654	3/4	183,831	3/4	170,159	3/4	156,219	3/4	142,279	3/4	128,337	3/4	114,395	3/4	100,453	3/4	86,511
10	10	10	196,396	10	183,555	10	169,868	10	155,928	10	141,988	10	128,046	10	114,104	10	100,162	10	86,220
1/4	1/4	1/4	196,139	1/4	183,278	1/4	169,578	1/4	155,638	1/4	141,698	1/4	127,756	1/4	113,814	1/4	99,872	1/4	85,930
1/2	1/2	1/2	195,879	1/2	183,000	1/2	169,288	1/2	155,348	1/2	141,407	1/2	127,465	1/2	113,523	1/2	99,581	1/2	85,640
3/4	3/4	3/4	195,620	3/4	182,722	3/4	168,997	3/4	155,057	3/4	141,117	3/4	127,175	3/4	113,233	3/4	99,291	3/4	85,349
11	11	11	195,361	11	182,444	11	168,707	11	154,767	11	140,827	11	126,884	11	112,942	11	99,000	11	85,059
1/4	1/4	1/4	195,102	1/4	182,166	1/4	168,416	1/4	154,476	1/4	140,536	1/4	126,594	1/4	112,652	1/4	98,710	1/4	84,768
1/2	1/2	1/2	194,842	1/2	181,887	1/2	168,126	1/2	154,186	1/2	140,246	1/2	126,303	1/2	112,361	1/2	98,420	1/2	84,478
3/4	3/4	3/4	206,472	3/4	194,581	3/4	181,607	3/4	167,836	3/4	153,895	3/4	139,955	3/4	126,013	3/4	112,071	3/4	84,187

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 OF 2" OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 34'-05" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 3051"

1 STBD
ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	83,897	0	69,955	0	56,013	0	42,095	0	28,652	0	16,205	0	4,778	0		0			
1/4	83,606	1/4	69,664	1/4	55,723	1/4	41,806	1/4	28,382	1/4	15,956	1/4	4,551	1/4		1/4			
1/2	83,316	1/2	69,374	1/2	55,432	1/2	41,516	1/2	28,113	1/2	15,709	1/2	4,326	1/2		1/2			
3/4	83,025	3/4	69,084	3/4	55,142	3/4	41,226	3/4	27,844	3/4	15,461	3/4	4,100	3/4		3/4			
1	82,735	1	68,793	1	54,851	1	40,937	1	27,576	1	15,214	1	3,875	1		1			
1/4	82,445	1/4	68,503	1/4	54,561	1/4	40,647	1/4	27,307	1/4	14,966	1/4	3,650	1/4		1/4			
1/2	82,154	1/2	68,212	1/2	54,270	1/2	40,359	1/2	27,040	1/2	14,721	1/2	3,428	1/2		1/2			
3/4	81,864	3/4	67,922	3/4	53,980	3/4	40,071	3/4	26,774	3/4	14,475	3/4	3,205	3/4		3/4			
2	81,673	2	67,631	2	53,689	2	39,783	2	26,507	2	14,230	2	2,983	2		2			
1/4	81,283	1/4	67,341	1/4	53,399	1/4	39,495	1/4	26,240	1/4	13,984	1/4	2,760	1/4		1/4			
1/2	80,992	1/2	67,050	1/2	53,108	1/2	39,209	1/2	25,975	1/2	13,740	1/2	2,541	1/2		1/2			
3/4	80,702	3/4	66,760	3/4	52,818	3/4	38,923	3/4	25,710	3/4	13,496	3/4	2,322	3/4		3/4			
3	80,411	3	66,469	3	52,528	3	38,638	3	25,445	3	13,252	3	2,102	3		3			
1/4	80,121	1/4	66,179	1/4	52,237	1/4	38,352	1/4	25,180	1/4	13,009	1/4	1,883	1/4		1/4			
1/2	79,830	1/2	65,889	1/2	51,947	1/2	38,068	1/2	24,916	1/2	12,767	1/2	1,695	1/2		1/2			
3/4	79,540	3/4	65,598	3/4	51,656	3/4	37,784	3/4	24,653	3/4	12,524	3/4	1,506	3/4		3/4			
4	79,249	4	65,308	4	51,366	4	37,500	4	24,390	4	12,282	4	1,318	4		4			
1/4	78,959	1/4	65,017	1/4	51,075	1/4	37,216	1/4	24,127	1/4	12,040	1/4	1,129	1/4		1/4			
1/2	78,669	1/2	64,727	1/2	50,785	1/2	36,934	1/2	23,865	1/2	11,800	1/2	1,010	1/2		1/2			
3/4	78,378	3/4	64,436	3/4	50,494	3/4	36,652	3/4	23,604	3/4	11,560	3/4	891	3/4		3/4			
5	78,088	5	64,146	5	50,204	5	36,369	5	23,342	5	11,319	5	772	5		5			
1/4	77,797	1/4	63,855	1/4	49,913	1/4	36,087	1/4	23,081	1/4	11,079	1/4	652	1/4		1/4			
1/2	77,507	1/2	63,565	1/2	49,623	1/2	35,807	1/2	22,821	1/2	10,840	1/2		1/2		1/2			
3/4	77,216	3/4	63,274	3/4	49,333	3/4	35,527	3/4	22,561	3/4	10,602	3/4		3/4		3/4			
6	76,926	6	62,984	6	49,042	6	35,247	6	22,301	6	10,363	6		6		6			
1/4	76,635	1/4	62,694	1/4	48,752	1/4	34,966	1/4	22,042	1/4	10,125	1/4		1/4		1/4			
1/2	76,345	1/2	62,403	1/2	48,462	1/2	34,688	1/2	21,784	1/2	9,888	1/2		1/2		1/2			
3/4	76,054	3/4	62,113	3/4	48,173	3/4	34,409	3/4	21,526	3/4	9,651	3/4		3/4		3/4			
7	75,764	7	61,822	7	47,883	7	34,131	7	21,268	7	9,414	7		7		7			
1/4	75,474	1/4	61,532	1/4	47,594	1/4	33,852	1/4	21,010	1/4	9,178	1/4		1/4		1/4			
1/2	75,183	1/2	61,241	1/2	47,305	1/2	33,576	1/2	20,753	1/2	8,943	1/2		1/2		1/2			
3/4	74,893	3/4	60,951	3/4	47,015	3/4	33,299	3/4	20,497	3/4	8,708	3/4		3/4		3/4			
8	74,602	8	60,660	8	46,726	8	33,022	8	20,241	8	8,473	8		8		8			
1/4	74,312	1/4	60,370	1/4	46,436	1/4	32,745	1/4	19,985	1/4	8,238	1/4		1/4		1/4			
1/2	74,021	1/2	60,079	1/2	46,147	1/2	32,470	1/2	19,730	1/2	8,004	1/2		1/2		1/2			
3/4	73,731	3/4	59,789	3/4	45,858	3/4	32,195	3/4	19,476	3/4	7,771	3/4		3/4		3/4			
9	73,440	9	59,498	9	45,568	9	31,920	9	19,221	9	7,538	9		9		9			
1/4	73,150	1/4	59,208	1/4	45,279	1/4	31,645	1/4	18,967	1/4	7,305	1/4		1/4		1/4			
1/2	72,859	1/2	58,918	1/2	44,989	1/2	31,371	1/2	18,714	1/2	7,073	1/2		1/2		1/2			
3/4	72,569	3/4	58,627	3/4	44,700	3/4	31,098	3/4	18,462	3/4	6,842	3/4		3/4		3/4			
10	72,279	10	58,337	10	44,410	10	30,825	10	18,209	10	6,610	10		10		10			
1/4	71,988	1/4	58,046	1/4	44,121	1/4	30,551	1/4	17,956	1/4	6,379	1/4		1/4		1/4			
1/2	71,698	1/2	57,756	1/2	43,832	1/2	30,279	1/2	17,705	1/2	6,149	1/2		1/2		1/2			
3/4	71,407	3/4	57,465	3/4	43,542	3/4	30,007	3/4	17,454	3/4	5,920	3/4		3/4		3/4			
11	71,117	11	57,175	11	43,253	11	29,735	11	17,203	11	5,690	11		11		11			
1/4	70,826	1/4	56,884	1/4	42,963	1/4	29,463	1/4	16,953	1/4	5,461	1/4		1/4		1/4			
1/2	70,536	1/2	56,594	1/2	42,674	1/2	29,193	1/2	16,703	1/2	5,233	1/2		1/2		1/2			
3/4	70,245	3/4	56,303	3/4	42,385	3/4	28,922	3/4	16,454	3/4	5,006	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
CALCULATED: 10/08/2014 CL
PRINTED: 10/08/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2014

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
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BARGE "EMS 3051"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	247,995	0	233,973	0	218,755	0	202,610	0	186,280	0	169,951	0	153,618	0	137,286	0	120,954
1/4		1/4	247,788	1/4	233,668	1/4	218,428	1/4	202,270	1/4	185,940	1/4	169,610	1/4	153,278	1/4	136,946	1/4	120,614
1/2		1/2	247,512	1/2	233,361	1/2	218,099	1/2	201,930	1/2	185,600	1/2	169,270	1/2	152,938	1/2	136,606	1/2	120,274
3/4		3/4	247,237	3/4	233,054	3/4	217,770	3/4	201,590	3/4	185,260	3/4	168,930	3/4	152,598	3/4	136,266	3/4	119,933
1		1	246,962	1	232,748	1	217,441	1	201,249	1	184,920	1	168,589	1	152,257	1	135,925	1	119,593
1/4		1/4	246,687	1/4	232,441	1/4	217,112	1/4	200,909	1/4	184,579	1/4	168,249	1/4	151,917	1/4	135,585	1/4	119,253
1/2		1/2	246,403	1/2	232,132	1/2	216,781	1/2	200,569	1/2	184,239	1/2	167,909	1/2	151,577	1/2	135,245	1/2	118,913
3/4		3/4	246,118	3/4	231,824	3/4	216,450	3/4	200,229	3/4	183,899	3/4	167,569	3/4	151,237	3/4	134,905	3/4	118,572
2		2	245,834	2	231,516	2	216,120	2	199,889	2	183,559	2	167,228	2	150,896	2	134,564	2	118,232
1/4		1/4	245,549	1/4	231,207	1/4	215,789	1/4	199,548	1/4	183,219	1/4	166,888	1/4	150,556	1/4	134,224	1/4	117,892
1/2		1/2	245,263	1/2	230,897	1/2	215,457	1/2	199,208	1/2	182,878	1/2	166,548	1/2	150,216	1/2	133,884	1/2	117,552
3/4		3/4	244,976	3/4	230,587	3/4	215,124	3/4	198,868	3/4	182,538	3/4	166,208	3/4	149,876	3/4	133,544	3/4	117,211
3		3	244,690	3	230,277	3	214,792	3	198,528	3	182,198	3	165,867	3	149,535	3	133,203	3	116,871
1/4		1/4	244,404	1/4	229,967	1/4	214,460	1/4	198,188	1/4	181,858	1/4	165,527	1/4	149,195	1/4	132,863	1/4	116,531
1/2		1/2	244,113	1/2	229,653	1/2	214,125	1/2	197,847	1/2	181,518	1/2	165,187	1/2	148,855	1/2	132,523	1/2	116,191
3/4		3/4	243,822	3/4	229,340	3/4	213,791	3/4	197,507	3/4	181,177	3/4	164,847	3/4	148,515	3/4	132,183	3/4	115,850
4		4	243,531	4	229,026	4	213,457	4	197,167	4	180,837	4	164,506	4	148,174	4	131,842	4	115,510
1/4		1/4	243,240	1/4	228,713	1/4	213,123	1/4	196,827	1/4	180,497	1/4	164,166	1/4	147,834	1/4	131,502	1/4	115,170
1/2		1/2	242,946	1/2	228,397	1/2	212,787	1/2	196,487	1/2	180,157	1/2	163,826	1/2	147,494	1/2	131,162	1/2	114,830
3/4		3/4	242,653	3/4	228,082	3/4	212,452	3/4	196,146	3/4	179,817	3/4	163,486	3/4	147,154	3/4	130,822	3/4	114,489
5		5	242,360	5	227,766	5	212,116	5	195,806	5	179,476	5	163,145	5	146,813	5	130,481	5	114,149
1/4		1/4	242,067	1/4	227,451	1/4	211,780	1/4	195,466	1/4	179,136	1/4	162,805	1/4	146,473	1/4	130,141	1/4	113,809
1/2		1/2	241,772	1/2	227,133	1/2	211,443	1/2	195,126	1/2	178,796	1/2	162,465	1/2	146,133	1/2	129,801	1/2	113,469
3/4		3/4	241,477	3/4	226,816	3/4	211,105	3/4	194,786	3/4	178,456	3/4	162,125	3/4	145,793	3/4	129,461	3/4	113,128
6		6	241,182	6	226,499	6	210,768	6	194,445	6	178,116	6	161,784	6	145,452	6	129,120	6	112,788
1/4		1/4	240,887	1/4	226,182	1/4	210,430	1/4	194,105	1/4	177,775	1/4	161,444	1/4	145,112	1/4	128,780	1/4	112,448
1/2		1/2	240,591	1/2	225,863	1/2	210,091	1/2	193,765	1/2	177,435	1/2	161,104	1/2	144,772	1/2	128,440	1/2	112,108
3/4		3/4	240,294	3/4	225,544	3/4	209,752	3/4	193,425	3/4	177,095	3/4	160,764	3/4	144,432	3/4	128,100	3/4	111,767
7		7	239,998	7	225,225	7	209,413	7	193,085	7	176,755	7	160,423	7	144,091	7	127,759	7	111,427
1/4		1/4	239,701	1/4	224,907	1/4	209,074	1/4	192,744	1/4	176,415	1/4	160,083	1/4	143,751	1/4	127,419	1/4	111,087
1/2		1/2	239,403	1/2	224,586	1/2	208,734	1/2	192,404	1/2	176,074	1/2	159,743	1/2	143,411	1/2	127,079	1/2	110,747
3/4		3/4	239,104	3/4	224,265	3/4	208,394	3/4	192,064	3/4	175,734	3/4	159,403	3/4	143,071	3/4	126,739	3/4	110,406
8		8	238,806	8	223,945	8	208,053	8	191,724	8	175,394	8	159,062	8	142,730	8	126,398	8	110,066
1/4		1/4	238,508	1/4	223,624	1/4	207,713	1/4	191,384	1/4	175,054	1/4	158,722	1/4	142,390	1/4	126,058	1/4	109,726
1/2		1/2	238,208	1/2	223,302	1/2	207,373	1/2	191,043	1/2	174,714	1/2	158,382	1/2	142,050	1/2	125,718	1/2	109,386
3/4		3/4	237,908	3/4	222,980	3/4	207,033	3/4	190,703	3/4	174,373	3/4	158,042	3/4	141,710	3/4	125,378	3/4	109,045
9		9	237,608	9	222,658	9	206,693	9	190,363	9	174,033	9	157,701	9	141,369	9	125,037	9	108,705
1/4		1/4	237,308	1/4	222,335	1/4	206,353	1/4	190,023	1/4	173,693	1/4	157,361	1/4	141,029	1/4	124,697	1/4	108,365
1/2		1/2	237,006	1/2	222,011	1/2	206,012	1/2	189,682	1/2	173,353	1/2	157,021	1/2	140,689	1/2	124,357	1/2	108,025
3/4		3/4	236,705	3/4	221,687	3/4	205,672	3/4	189,342	3/4	173,012	3/4	156,681	3/4	140,349	3/4	124,016	3/4	107,684
10		10	236,403	10	221,364	10	205,332	10	189,002	10	172,672	10	156,340	10	140,008	10	123,676	10	107,344
1/4		1/4	236,101	1/4	221,040	1/4	204,992	1/4	188,662	1/4	172,332	1/4	156,000	1/4	139,668	1/4	123,336	1/4	107,004
1/2		1/2	235,798	1/2	220,714	1/2	204,651	1/2	188,322	1/2	171,992	1/2	155,660	1/2	139,328	1/2	122,996	1/2	106,664
3/4		3/4	235,495	3/4	220,388	3/4	204,311	3/4	187,981	3/4	171,552	3/4	155,320	3/4	138,988	3/4	122,655	3/4	106,323
11		11	235,191	11	220,063	11	203,971	11	187,641	11	171,311	11	154,979	11	138,647	11	122,315	11	105,983
1/4		1/4	234,888	1/4	219,737	1/4	203,631	1/4	187,301	1/4	170,971	1/4	154,639	1/4	138,307	1/4	121,975	1/4	105,643
1/2		1/2	234,583	1/2	219,410	1/2	203,291	1/2	186,961	1/2	170,631	1/2	154,299	1/2	137,967	1/2	121,635	1/2	105,303
3/4		3/4	248,202	3/4	234,276	3/4	219,082	3/4	202,950	3/4	186,621	3/4	170,291	3/4	153,959	3/4	121,294	3/4	104,962

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 OF 2" OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

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



BARGE "EMS 3051"

2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	104,622	0	88,290	0	71,968	0	55,660	0	39,319	0	23,553	0	7,297	0		0			
1/4	104,282	1/4	87,950	1/4	71,618	1/4	55,311	1/4	38,979	1/4	23,227	1/4	6,968	1/4		1/4			
1/2	103,942	1/2	87,610	1/2	71,270	1/2	54,971	1/2	38,638	1/2	22,899	1/2	6,619	1/2		1/2			
3/4	103,601	3/4	87,269	3/4	70,937	3/4	54,630	3/4	38,298	3/4	22,572	3/4	6,280	3/4		3/4			
1	103,261	1	86,929	1	70,597	1	54,290	1	37,968	1	22,245	1	5,941	1		1			
1 1/4	102,921	1 1/4	86,589	1 1/4	70,267	1 1/4	53,950	1 1/4	37,618	1 1/4	21,918	1 1/4	5,602	1 1/4		1 1/4			
1 1/2	102,581	1 1/2	86,249	1 1/2	69,917	1 1/2	53,610	1 1/2	37,289	1 1/2	21,580	1 1/2	5,264	1 1/2		1 1/2			
3/4	102,240	3/4	85,908	3/4	69,576	3/4	53,269	3/4	36,960	3/4	21,241	3/4	4,926	3/4		3/4			
2	101,900	2	85,568	2	69,236					20,902	2	4,588	2		2				
1 1/4	101,560	1 1/4	85,228	1 1/4	68,896	1 1/4	52,589	1 1/4	36,302	1 1/4	20,564	1 1/4	4,250	1 1/4		1 1/4			
1 1/2	101,220	1 1/2	84,888	1 1/2	68,556	1 1/2	52,249	1 1/2	35,974	1 1/2	20,224	1 1/2	3,913	1 1/2		1 1/2			
3/4	100,879	3/4	84,547	3/4	68,216	3/4	51,908	3/4	35,647	3/4	19,883	3/4	3,577	3/4		3/4			
3	100,539	3	84,207	3	67,876	3	51,568	3	35,319	3	19,543	3	3,241	3		3			
1 1/4	100,199	1 1/4	83,867	1 1/4	67,535	1 1/4	51,228	1 1/4	34,992	1 1/4	19,203	1 1/4	2,905	1 1/4		1 1/4			
1 1/2	99,859	1 1/2	83,527	1 1/2	67,195	1 1/2	50,888	1 1/2	34,665	1 1/2	18,863	1 1/2	2,602	1 1/2		1 1/2			
3/4	99,518	3/4	83,186	3/4	66,854	3/4	50,547	3/4	34,337	3/4	18,522	3/4	2,300	3/4		3/4			
4	99,178	4	82,846	4	66,514	4	50,207	4	34,010	4	18,182	4	1,998	4		4			
1 1/4	98,838	1 1/4	82,506	1 1/4	66,174	1 1/4	49,867	1 1/4	33,682	1 1/4	17,842	1 1/4	1,696	1 1/4		1 1/4			
1 1/2	98,498	1 1/2	82,166	1 1/2	65,834	1 1/2	49,527	1 1/2	33,355	1 1/2	17,502	1 1/2	1,472	1 1/2		1 1/2			
3/4	98,157	3/4	81,825	3/4	65,493	3/4	49,186	3/4	33,028	3/4	17,162	3/4	1,249	3/4		3/4			
5	97,817	5	81,485	5	65,153	5	48,846	5	32,701	5	16,821	5	1,026	5		5			
1 1/4	97,477	1 1/4	81,145	1 1/4	64,813	1 1/4	48,506	1 1/4	32,374	1 1/4	16,481	1 1/4	803	1 1/4		1 1/4			
1 1/2	97,137	1 1/2	80,805	1 1/2	64,473	1 1/2	48,166	1 1/2	32,047	1 1/2	16,141	1 1/2		1 1/2		1 1/2			
3/4	96,796	3/4	80,464	3/4	64,132	3/4	47,825	3/4	31,720	3/4	15,801	3/4		3/4		3/4			
6	96,456	6	80,124	6	63,792	6	47,485	6	31,393	6	15,460	6		6		6			
1 1/4	96,116	1 1/4	79,784	1 1/4	63,462	1 1/4	47,145	1 1/4	31,067	1 1/4	16,120	1 1/4		1 1/4		1 1/4			
1 1/2	95,776	1 1/2	79,444	1 1/2	63,113	1 1/2	46,805	1 1/2	30,740	1 1/2	14,780	1 1/2		1 1/2		1 1/2			
3/4	95,435	3/4	79,103	3/4	62,773	3/4	46,464	3/4	30,413	3/4	14,440	3/4		3/4		3/4			
7	95,095	7	78,763	7	62,434	7	46,124	7	30,086	7	14,099	7		7		7			
1 1/4	94,755	1 1/4	78,423	1 1/4	62,095	1 1/4	45,784	1 1/4	29,760	1 1/4	13,759	1 1/4		1 1/4		1 1/4			
1 1/2	94,415	1 1/2	78,083	1 1/2	61,766	1 1/2	45,444	1 1/2	29,433	1 1/2	13,419	1 1/2		1 1/2		1 1/2			
3/4	94,074	3/4	77,742	3/4	61,417	3/4	45,103	3/4	29,106	3/4	13,079	3/4		3/4		3/4			
8	93,734	8	77,402	8	61,077	8	44,763	8	28,780	8	12,739	8		8		8			
1 1/4	93,394	1 1/4	77,062	1 1/4	60,738	1 1/4	44,423	1 1/4	28,453	1 1/4	12,398	1 1/4		1 1/4		1 1/4			
1 1/2	93,054	1 1/2	76,722	1 1/2	60,399	1 1/2	44,083	1 1/2	28,127	1 1/2	12,058	1 1/2		1 1/2		1 1/2			
3/4	92,713	3/4	76,381	3/4	60,060	3/4	43,742	3/4	27,800	3/4	11,718	3/4		3/4		3/4			
9	92,373	9	76,041	9	59,721	9	43,402	9	27,474	9	11,378	9		9		9			
1 1/4	92,033	1 1/4	75,701	1 1/4	59,381	1 1/4	43,062	1 1/4	27,147	1 1/4	11,037	1 1/4		1 1/4		1 1/4			
1 1/2	91,693	1 1/2	75,361	1 1/2	59,042	1 1/2	42,721	1 1/2	26,820	1 1/2	10,697	1 1/2		1 1/2		1 1/2			
3/4	91,352	3/4	75,020	3/4	58,703	3/4	42,381	3/4	26,494	3/4	10,357	3/4		3/4		3/4			
10	91,012	10	74,680	10	58,364	10	42,041	10	26,167	10	10,017	10		10		10			
1 1/4	90,672	1 1/4	74,340	1 1/4	58,026	1 1/4	41,701	1 1/4	25,840	1 1/4	9,677	1 1/4		1 1/4		1 1/4			
1 1/2	90,332	1 1/2	74,000	1 1/2	57,685	1 1/2	41,360	1 1/2	25,514	1 1/2	9,336	1 1/2		1 1/2		1 1/2			
3/4	89,991	3/4	73,659	3/4	57,346	3/4	41,020	3/4	25,187	3/4	8,996	3/4		3/4		3/4			
11	89,651	11	73,319	11	57,007	11	40,680	11	24,860	11	8,666	11		11		11			
1 1/4	89,311	1 1/4	72,979	1 1/4	56,668	1 1/4	40,340	1 1/4	24,533	1 1/4	8,316	1 1/4		1 1/4		1 1/4			
1 1/2	88,971	1 1/2	72,639	1 1/2	56,329	1 1/2	39,999	1 1/2	24,207	1 1/2	7,977	1 1/2		1 1/2		1 1/2			
3/4	88,630	3/4	72,298	3/4	55,989	3/4	39,659	3/4	23,880	3/4	7,637	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
CALCULATED: 10/08/2014 CL
PRINTED: 10/08/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/10/14

PRECISION MEASUREMENT
& ANALYSIS, INC.
P.O. Box 2092
Pearland, Texas 77588
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BARGE "EMS 3051"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	246,869	0	234,948	0	219,754	0	203,619	0	187,286	0	170,953	0	154,617	0	138,281	0	121,946
1/4		1/4	248,662	1/4	234,644	1/4	218,427	1/4	203,279	1/4	186,946	1/4	170,812	1/4	154,277	1/4	137,941	1/4	121,605
1/2		1/2	248,455	1/2	234,339	1/2	219,100	1/2	202,939	1/2	186,605	1/2	170,272	1/2	153,936	1/2	137,601	1/2	121,265
3/4		3/4	248,180	3/4	234,032	3/4	218,770	3/4	202,599	3/4	186,265	3/4	169,932	3/4	153,596	3/4	137,260	3/4	120,925
1		1	247,905	1	233,726	1	218,441	1	202,258	1	185,925	1	169,591	1	153,256	1	136,920	1	120,584
1/4		1/4	247,630	1/4	233,419	1/4	218,112	1/4	201,918	1/4	185,585	1/4	169,251	1/4	152,915	1/4	136,580	1/4	120,244
1/2		1/2	247,354	1/2	233,112	1/2	217,783	1/2	201,578	1/2	185,244	1/2	168,911	1/2	152,575	1/2	136,239	1/2	119,904
3/4		3/4	247,070	3/4	232,804	3/4	217,453	3/4	201,237	3/4	184,904	3/4	168,570	3/4	152,235	3/4	135,899	3/4	119,563
2		2	246,785	2	232,495	2	217,122	2	200,897	2	184,564	2	168,230	2	151,894	2	135,559	2	119,223
1/4		1/4	246,501	1/4	232,187	1/4	216,791	1/4	200,557	1/4	184,223	1/4	167,890	1/4	151,554	1/4	135,218	1/4	118,883
1/2		1/2	246,216	1/2	231,879	1/2	216,460	1/2	200,217	1/2	183,883	1/2	167,549	1/2	151,214	1/2	134,878	1/2	118,542
3/4		3/4	245,930	3/4	231,569	3/4	216,128	3/4	199,876	3/4	183,543	3/4	167,209	3/4	150,873	3/4	134,538	3/4	118,202
3		3	245,644	3	231,259	3	215,796	3	199,536	3	183,203	3	166,869	3	150,533	3	134,197	3	117,862
1/4		1/4	245,358	1/4	230,948	1/4	215,463	1/4	199,196	1/4	182,862	1/4	166,528	1/4	150,193	1/4	133,857	1/4	117,521
1/2		1/2	245,072	1/2	230,638	1/2	215,131	1/2	198,856	1/2	182,522	1/2	166,188	1/2	149,852	1/2	133,517	1/2	117,181
3/4		3/4	244,781	3/4	230,325	3/4	214,797	3/4	198,515	3/4	182,182	3/4	165,848	3/4	149,512	3/4	133,176	3/4	116,841
4		4	244,490	4	230,011	4	214,462	4	198,175	4	181,841	4	165,507	4	149,172	4	132,836	4	116,500
1/4		1/4	244,199	1/4	229,698	1/4	214,128	1/4	197,835	1/4	181,501	1/4	165,167	1/4	148,831	1/4	132,496	1/4	116,160
1/2		1/2	243,908	1/2	229,384	1/2	213,794	1/2	197,494	1/2	181,161	1/2	164,827	1/2	148,491	1/2	132,155	1/2	115,820
3/4		3/4	243,615	3/4	229,069	3/4	213,458	3/4	197,154	3/4	180,821	3/4	164,486	3/4	148,151	3/4	131,815	3/4	115,479
5		5	243,322	5	228,753	5	213,123	5	196,814	5	180,480	5	164,146	5	147,810	5	131,475	5	115,139
1/4		1/4	243,029	1/4	228,438	1/4	212,787	1/4	196,474	1/4	180,140	1/4	163,806	1/4	147,470	1/4	131,134	1/4	114,799
1/2		1/2	242,736	1/2	228,122	1/2	212,451	1/2	196,133	1/2	179,800	1/2	163,465	1/2	147,130	1/2	130,794	1/2	114,458
3/4		3/4	242,441	3/4	227,805	3/4	212,113	3/4	195,793	3/4	179,460	3/4	163,125	3/4	146,789	3/4	130,454	3/4	114,118
6		6	242,146	6	227,488	6	211,776	6	195,453	6	179,119	6	162,785	6	146,449	6	130,113	6	113,778
1/4		1/4	241,851	1/4	227,171	1/4	211,438	1/4	195,112	1/4	178,779	1/4	162,444	1/4	146,109	1/4	129,773	1/4	113,437
1/2		1/2	241,557	1/2	226,854	1/2	211,101	1/2	194,772	1/2	178,439	1/2	162,104	1/2	145,768	1/2	129,433	1/2	113,097
3/4		3/4	241,260	3/4	226,535	3/4	210,762	3/4	194,432	3/4	178,098	3/4	161,764	3/4	145,428	3/4	129,092	3/4	112,757
7		7	240,964	7	226,216	7	210,422	7	194,092	7	177,758	7	161,423	7	145,088	7	128,752	7	112,416
1/4		1/4	240,667	1/4	225,897	1/4	210,083	1/4	193,751	1/4	177,418	1/4	161,083	1/4	144,747	1/4	128,412	1/4	112,076
1/2		1/2	240,371	1/2	225,578	1/2	209,744	1/2	193,411	1/2	177,078	1/2	160,743	1/2	144,407	1/2	128,071	1/2	111,736
3/4		3/4	240,072	3/4	225,258	3/4	209,404	3/4	193,071	3/4	176,737	3/4	160,403	3/4	144,067	3/4	127,731	3/4	111,395
8		8	239,774	8	224,937	8	209,064	8	192,730	8	176,397	8	160,062	8	143,727	8	127,391	8	111,055
1/4		1/4	239,476	1/4	224,617	1/4	208,724	1/4	192,390	1/4	176,057	1/4	159,722	1/4	143,386	1/4	127,050	1/4	110,715
1/2		1/2	239,178	1/2	224,296	1/2	208,383	1/2	192,050	1/2	175,716	1/2	159,382	1/2	143,046	1/2	126,710	1/2	110,374
3/4		3/4	238,878	3/4	223,974	3/4	208,043	3/4	191,710	3/4	175,376	3/4	159,041	3/4	142,706	3/4	126,370	3/4	110,034
9		9	238,578	9	223,652	9	207,703	9	191,369	9	175,036	9	158,701	9	142,366	9	126,030	9	109,694
1/4		1/4	238,278	1/4	223,329	1/4	207,363	1/4	191,029	1/4	174,696	1/4	158,361	1/4	142,026	1/4	125,689	1/4	109,353
1/2		1/2	237,978	1/2	223,007	1/2	207,022	1/2	190,689	1/2	174,355	1/2	158,020	1/2	141,685	1/2	125,349	1/2	109,013
3/4		3/4	237,677	3/4	222,683	3/4	206,682	3/4	190,349	3/4	174,015	3/4	157,680	3/4	141,344	3/4	125,009	3/4	108,673
10		10	237,375	10	222,359	10	206,342	10	190,008	10	173,675	10	157,340	10	141,004	10	124,668	10	108,333
1/4		1/4	237,074	1/4	222,035	1/4	206,001	1/4	189,668	1/4	173,334	1/4	156,999	1/4	140,664	1/4	124,328	1/4	107,992
1/2		1/2	236,772	1/2	221,711	1/2	205,661	1/2	189,328	1/2	172,994	1/2	156,659	1/2	140,323	1/2	123,988	1/2	107,652
3/4		3/4	236,469	3/4	221,386	3/4	205,321	3/4	188,987	3/4	172,654	3/4	156,319	3/4	139,983	3/4	123,647	3/4	107,312
11		11	236,165	11	221,060	11	204,981	11	188,647	11	172,314	11	155,978	11	139,643	11	123,307	11	106,971
1/4		1/4	235,862	1/4	220,735	1/4	204,640	1/4	188,307	1/4	171,973	1/4	155,638	1/4	139,302	1/4	122,967	1/4	106,631
1/2		1/2	235,559	1/2	220,409	1/2	204,300	1/2	187,967	1/2	171,633	1/2	155,298	1/2	138,962	1/2	122,626	1/2	106,291
3/4		3/4	235,254	3/4	220,082	3/4	203,960	3/4	187,626	3/4	171,293	3/4	154,957	3/4	138,622	3/4	122,286	3/4	105,950

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 OF 2" OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 41'-00" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

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BARGE "EMS 3051"

2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	105,610	0	89,274	0	72,939	0	56,626	0	40,292	0	23,970	0	7,639	0		0			
1/4	105,270	1/4	88,934	1/4	72,598	1/4	56,287	1/4	39,952	1/4	23,631	1/4	7,299	1/4		1/4		1/4	
1/2	104,929	1/2	88,594	1/2	72,258	1/2	55,947	1/2	39,611	1/2	23,291	1/2	6,959	1/2		1/2		1/2	
3/4	104,589	3/4	88,253	3/4	71,918	3/4	55,607	3/4	39,271	3/4	22,950	3/4	6,620	3/4		3/4		3/4	
1	104,249	1	87,913	1	71,577	1	55,267	1	38,931	1	22,610	1	6,281	1		1		1	
1/4	103,908	1/4	87,573	1/4	71,237	1/4	54,926	1/4	38,590	1/4	22,270	1/4	5,942	1/4		1/4		1/4	
1/2	103,566	1/2	87,232	1/2	70,897	1/2	54,586	1/2	38,250	1/2	21,930	1/2	5,603	1/2		1/2		1/2	
3/4	103,228	3/4	86,892	3/4	70,556	3/4	54,246	3/4	37,910	3/4	21,589	3/4	5,265	3/4		3/4		3/4	
2	102,887	2	86,552	2	70,216	2	53,905	2	37,569	2	21,249	2	4,927	2		2		2	
1/4	102,547	1/4	86,211	1/4	69,876	1/4	53,565	1/4	37,229	1/4	20,909	1/4	4,589	1/4		1/4		1/4	
1/2	102,207	1/2	85,871	1/2	69,535	1/2	53,225	1/2	36,889	1/2	20,568	1/2	4,251	1/2		1/2		1/2	
3/4	101,866	3/4	85,531	3/4	69,195	3/4	52,884	3/4	36,548	3/4	20,228	3/4	3,914	3/4		3/4		3/4	
3	101,526	3	85,190	3	68,855	3	52,544	3	36,208	3	19,888	3	3,578	3		3		3	
1/4	101,186	1/4	84,850	1/4	68,514	1/4	52,204	1/4	35,868	1/4	19,548	1/4	3,242	1/4		1/4		1/4	
1/2	100,845	1/2	84,510	1/2	68,174	1/2	51,863	1/2	35,527	1/2	19,207	1/2	2,905	1/2		1/2		1/2	
3/4	100,505	3/4	84,169	3/4	67,834	3/4	51,523	3/4	35,187	3/4	18,867	3/4	2,603	3/4		3/4		3/4	
4	100,165	4	83,829	4	67,493	4	51,183	4	34,847	4	18,527	4	2,301	4		4		4	
1/4	99,824	1/4	83,489	1/4	67,153	1/4	50,842	1/4	34,506	1/4	18,186	1/4	1,998	1/4		1/4		1/4	
1/2	99,484	1/2	83,148	1/2	66,813	1/2	50,502	1/2	34,166	1/2	17,846	1/2	1,696	1/2		1/2		1/2	
3/4	99,144	3/4	82,808	3/4	66,472	3/4	50,162	3/4	33,826	3/4	17,506	3/4	1,473	3/4		3/4		3/4	
5	98,803	5	82,468	5	66,132	5	49,821	5	33,486	5	17,165	5	1,249	5		5		5	
1/4	98,463	1/4	82,127	1/4	65,792	1/4	49,481	1/4	33,146	1/4	16,825	1/4	1,026	1/4		1/4		1/4	
1/2	98,123	1/2	81,787	1/2	65,451	1/2	49,141	1/2	32,806	1/2	16,485	1/2	803	1/2		1/2		1/2	
3/4	97,782	3/4	81,447	3/4	65,111	3/4	48,800	3/4	32,466	3/4	16,144	3/4		3/4		3/4		3/4	
6	97,442	6	81,106	6	64,771	6	48,460	6	32,126	6	15,804	6		6		6		6	
1/4	97,102	1/4	80,766	1/4	64,430	1/4	48,120	1/4	31,787	1/4	15,464	1/4		1/4		1/4		1/4	
1/2	96,761	1/2	80,426	1/2	64,090	1/2	47,779	1/2	31,447	1/2	15,124	1/2		1/2		1/2		1/2	
3/4	96,421	3/4	80,085	3/4	63,751	3/4	47,439	3/4	31,107	3/4	14,783	3/4		3/4		3/4		3/4	
7	96,081	7	79,745	7	63,411	7	47,099	7	30,767	7	14,443	7		7		7		7	
1/4	95,740	1/4	79,405	1/4	63,072	1/4	46,758	1/4	30,427	1/4	14,103	1/4		1/4		1/4		1/4	
1/2	95,400	1/2	79,064	1/2	62,733	1/2	46,418	1/2	30,087	1/2	13,762	1/2		1/2		1/2		1/2	
3/4	95,060	3/4	78,724	3/4	62,394	3/4	46,078	3/4	29,747	3/4	13,422	3/4		3/4		3/4		3/4	
8	94,719	8	78,384	8	62,054	8	45,737	8	29,408	8	13,082	8		8		8		8	
1/4	94,379	1/4	78,043	1/4	61,715	1/4	45,397	1/4	29,068	1/4	12,741	1/4		1/4		1/4		1/4	
1/2	94,039	1/2	77,703	1/2	61,376	1/2	45,057	1/2	28,728	1/2	12,401	1/2		1/2		1/2		1/2	
3/4	93,698	3/4	77,363	3/4	61,036	3/4	44,716	3/4	28,388	3/4	12,061	3/4		3/4		3/4		3/4	
9	93,358	9	77,022	9	60,697	9	44,376	9	28,049	9	11,721	9		9		9		9	
1/4	93,018	1/4	76,682	1/4	60,358	1/4	44,036	1/4	27,709	1/4	11,380	1/4		1/4		1/4		1/4	
1/2	92,677	1/2	76,342	1/2	60,019	1/2	43,695	1/2	27,369	1/2	11,040	1/2		1/2		1/2		1/2	
3/4	92,337	3/4	76,001	3/4	59,679	3/4	43,355	3/4	27,029	3/4	10,700	3/4		3/4		3/4		3/4	
10	91,997	10	75,661	10	59,340	10	43,015	10	26,690	10	10,359	10		10		10		10	
1/4	91,657	1/4	75,321	1/4	59,001	1/4	42,674	1/4	26,350	1/4	10,019	1/4		1/4		1/4		1/4	
1/2	91,316	1/2	74,980	1/2	58,662	1/2	42,334	1/2	26,010	1/2	9,679	1/2		1/2		1/2		1/2	
3/4	90,976	3/4	74,640	3/4	58,322	3/4	41,994	3/4	26,670	3/4	9,339	3/4		3/4		3/4		3/4	
11	90,636	11	74,300	11	57,983	11	41,653	11	25,330	11	8,998	11		11		11		11	
1/4	90,295	1/4	73,960	1/4	57,644	1/4	41,313	1/4	24,990	1/4	8,658	1/4		1/4		1/4		1/4	
1/2	89,955	1/2	73,619	1/2	57,304	1/2	40,973	1/2	24,650	1/2	8,318	1/2		1/2		1/2		1/2	
3/4	89,615	3/4	73,279	3/4	56,965	3/4	40,632	3/4	24,310	3/4	7,978	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
CALCULATED: 10/08/2014 CL
PRINTED: 10/08/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2014

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



BARGE "EMS 3051"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	201,900	0	193,555	0	184,952	0	175,689	0	166,303	0	156,917	0	142,357	0	127,189	0	112,019
1/4		1/4	201,692	1/4	193,383	1/4	184,764	1/4	175,494	1/4	166,108	1/4	156,674	1/4	142,040	1/4	126,873	1/4	111,703
1/2		1/2	201,484	1/2	193,212	1/2	184,577	1/2	175,298	1/2	165,912	1/2	156,431	1/2	141,724	1/2	126,557	1/2	111,387
3/4		3/4	201,277	3/4	193,041	3/4	184,389	3/4	175,103	3/4	165,717	3/4	156,187	3/4	141,408	3/4	126,241	3/4	111,071
1		1	201,069	1	192,869	1	184,202	1	174,907	1	165,521	1	155,944	1	141,092	1	125,926	1	110,754
1/4		1/4	200,843	1/4	192,697	1/4	184,013	1/4	174,711	1/4	165,326	1/4	155,700	1/4	140,776	1/4	125,610	1/4	110,438
1/2		1/2	200,617	1/2	192,524	1/2	183,824	1/2	174,516	1/2	165,130	1/2	155,457	1/2	140,460	1/2	125,294	1/2	110,122
3/4		3/4	200,391	3/4	192,351	3/4	183,636	3/4	174,320	3/4	164,934	3/4	155,213	3/4	140,143	3/4	124,978	3/4	109,806
2		2	200,165	2	192,179	2	183,447	2	174,125	2	164,739	2	154,970	2	139,827	2	124,662	2	109,490
1/4		1/4	200,000	1/4	192,005	1/4	183,257	1/4	173,929	1/4	164,543	1/4	154,663	1/4	139,511	1/4	124,346	1/4	109,174
1/2		1/2	199,836	1/2	191,831	1/2	183,067	1/2	173,734	1/2	164,348	1/2	154,356	1/2	139,195	1/2	124,030	1/2	108,857
3/4		3/4	199,671	3/4	191,657	3/4	182,877	3/4	173,538	3/4	164,152	3/4	154,049	3/4	138,879	3/4	123,714	3/4	108,541
3		3	199,506	3	191,483	3	182,687	3	173,343	3	163,957	3	153,742	3	138,563	3	123,399	3	108,225
1/4		1/4	199,346	1/4	191,307	1/4	182,496	1/4	173,147	1/4	163,761	1/4	153,425	1/4	138,246	1/4	123,083	1/4	107,909
1/2		1/2	199,186	1/2	191,130	1/2	182,305	1/2	172,952	1/2	163,566	1/2	153,109	1/2	137,930	1/2	122,767	1/2	107,593
3/4		3/4	199,026	3/4	190,954	3/4	182,114	3/4	172,766	3/4	163,370	3/4	152,793	3/4	137,614	3/4	122,451	3/4	107,277
4		4	198,866	4	190,778	4	181,923	4	172,561	4	163,175	4	152,477	4	137,298	4	122,135	4	106,960
1/4		1/4	198,704	1/4	190,600	1/4	181,730	1/4	172,365	1/4	162,979	1/4	152,160	1/4	136,982	1/4	121,819	1/4	106,644
1/2		1/2	198,543	1/2	190,422	1/2	181,538	1/2	172,169	1/2	162,784	1/2	151,844	1/2	136,666	1/2	121,503	1/2	106,328
3/4		3/4	198,381	3/4	190,244	3/4	181,346	3/4	171,974	3/4	162,588	3/4	151,528	3/4	136,349	3/4	121,188	3/4	106,012
5		5	198,219	5	190,066	5	181,153	5	171,778	5	162,392	5	151,212	5	136,033	5	120,872	5	105,696
1/4		1/4	198,056	1/4	189,887	1/4	180,960	1/4	171,583	1/4	162,197	1/4	150,895	1/4	135,717	1/4	120,556	1/4	105,380
1/2		1/2	197,893	1/2	189,708	1/2	180,766	1/2	171,387	1/2	162,001	1/2	150,579	1/2	135,401	1/2	120,239	1/2	105,063
3/4		3/4	197,730	3/4	189,529	3/4	180,573	3/4	171,192	3/4	161,806	3/4	150,263	3/4	135,086	3/4	119,923	3/4	104,747
6		6	197,567	6	189,350	6	180,379	6	170,996	6	161,610	6	149,947	6	134,770	6	119,607	6	104,431
1/4		1/4	197,403	1/4	189,170	1/4	180,184	1/4	170,801	1/4	161,415	1/4	149,630	1/4	134,454	1/4	119,291	1/4	104,115
1/2		1/2	197,239	1/2	188,990	1/2	179,989	1/2	170,605	1/2	161,219	1/2	149,314	1/2	134,138	1/2	118,975	1/2	103,799
3/4		3/4	197,075	3/4	188,810	3/4	179,795	3/4	170,410	3/4	161,024	3/4	148,998	3/4	133,822	3/4	118,659	3/4	103,483
7		7	196,911	7	188,629	7	179,600	7	170,214	7	160,828	7	148,682	7	133,506	7	118,342	7	103,166
1/4		1/4	196,745	1/4	188,448	1/4	179,404	1/4	170,019	1/4	160,633	1/4	148,365	1/4	133,190	1/4	118,026	1/4	102,850
1/2		1/2	196,580	1/2	188,266	1/2	179,209	1/2	169,823	1/2	160,437	1/2	148,049	1/2	132,875	1/2	117,710	1/2	102,534
3/4		3/4	196,415	3/4	188,085	3/4	179,013	3/4	169,627	3/4	160,242	3/4	147,733	3/4	132,559	3/4	117,394	3/4	102,218
8		8	196,249	8	187,904	8	178,818	8	169,432	8	160,046	8	147,417	8	132,243	8	117,078	8	101,902
1/4		1/4	196,083	1/4	187,721	1/4	178,622	1/4	169,236	1/4	159,850	1/4	147,100	1/4	131,927	1/4	116,762	1/4	101,586
1/2		1/2	195,916	1/2	187,538	1/2	178,427	1/2	169,041	1/2	159,655	1/2	146,784	1/2	131,611	1/2	116,445	1/2	101,269
3/4		3/4	195,750	3/4	187,356	3/4	178,231	3/4	168,845	3/4	159,459	3/4	146,468	3/4	131,295	3/4	116,129	3/4	100,953
9		9	195,583	9	187,173	9	178,036	9	168,650	9	159,264	9	146,152	9	130,979	9	115,813	9	100,637
1/4		1/4	195,415	1/4	186,989	1/4	177,840	1/4	168,454	1/4	159,068	1/4	145,835	1/4	130,663	1/4	115,497	1/4	100,321
1/2		1/2	195,247	1/2	186,805	1/2	177,645	1/2	168,259	1/2	158,873	1/2	145,519	1/2	130,348	1/2	115,181	1/2	100,005
3/4		3/4	195,080	3/4	186,621	3/4	177,449	3/4	168,063	3/4	158,677	3/4	145,203	3/4	130,032	3/4	114,865	3/4	99,689
10		10	194,912	10	186,437	10	177,254	10	167,868	10	158,482	10	144,887	10	129,716	10	114,548	10	99,372
1/4		1/4	194,743	1/4	186,252	1/4	177,058	1/4	167,672	1/4	158,286	1/4	144,570	1/4	129,400	1/4	114,232	1/4	99,056
1/2		1/2	194,574	1/2	186,067	1/2	176,862	1/2	167,476	1/2	158,091	1/2	144,254	1/2	129,084	1/2	113,916	1/2	98,740
3/4		3/4	194,405	3/4	185,882	3/4	176,667	3/4	167,281	3/4	157,895	3/4	143,938	3/4	128,768	3/4	113,600	3/4	98,424
11		11	194,236	11	185,697	11	176,471	11	167,085	11	157,699	11	143,622	11	128,452	11	113,284	11	98,108
1/4		1/4	194,066	1/4	185,511	1/4	176,276	1/4	166,890	1/4	157,504	1/4	143,305	1/4	128,137	1/4	112,968	1/4	97,792
1/2		1/2	202,285	1/2	193,895	1/2	186,326	1/2	176,080	1/2	166,694	1/2	157,308	1/2	142,989	1/2	127,821	1/2	97,475
3/4		3/4	202,092	3/4	193,725	3/4	185,138	3/4	175,885	3/4	166,499	3/4	157,113	3/4	142,673	3/4	127,505	3/4	97,159

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 OF 2" OPENING ON "HERMETIC" VALVE
GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

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



BARGE "EMS 3051"

3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	96,843	0	81,684	0	66,540	0	51,396	0	36,233	0	21,589	0	6,468	0		0			
1/4	96,527	1/4	81,369	1/4	66,224	1/4	51,079	1/4	35,918	1/4	21,285	1/4	6,152	1/4		1/4		1/4	
1/2	96,211	1/2	81,054	1/2	65,908	1/2	50,763	1/2	35,602	1/2	20,981	1/2	5,837	1/2		1/2		1/2	
3/4	95,895	3/4	80,738	3/4	65,592	3/4	50,447	3/4	35,286	3/4	20,676	3/4	5,522	3/4		3/4		3/4	
1	95,578	1	80,423	1	65,276	1	50,131	1	34,971	1	20,372	1	5,207	1		1		1	
1/4	95,262	1/4	80,108	1/4	64,960	1/4	49,815	1/4	34,665	1/4	20,057	1/4	4,893	1/4		1/4		1/4	
1/2	94,946	1/2	79,793	1/2	64,644	1/2	49,499	1/2	34,360	1/2	19,743	1/2	4,579	1/2		1/2		1/2	
3/4	94,630	3/4	79,478	3/4	64,328	3/4	49,183	3/4	34,054	3/4	19,428	3/4	4,265	3/4		3/4		3/4	
2	94,314	2	79,162	2	64,012	2	48,867	2	33,749	2	19,113	2	3,951	2		2		2	
1/4	93,998	1/4	78,847	1/4	63,696	1/4	48,551	1/4	33,445	1/4	18,797	1/4	3,638	1/4		1/4		1/4	
1/2	93,681	1/2	78,532	1/2	63,380	1/2	48,235	1/2	33,141	1/2	18,481	1/2	3,326	1/2		1/2		1/2	
3/4	93,365	3/4	78,217	3/4	63,063	3/4	47,919	3/4	32,837	3/4	18,165	3/4	3,013	3/4		3/4		3/4	
3	93,049	3	77,902	3	62,747	3	47,603	3	32,533	3	17,848	3	2,701	3		3		3	
1/4	92,733	1/4	77,586	1/4	62,431	1/4	47,287	1/4	32,229	1/4	17,532	1/4	2,420	1/4		1/4		1/4	
1/2	92,417	1/2	77,271	1/2	62,115	1/2	46,971	1/2	31,924	1/2	17,216	1/2	2,139	1/2		1/2		1/2	
3/4	92,101	3/4	76,956	3/4	61,799	3/4	46,655	3/4	31,620	3/4	16,900	3/4	1,858	3/4		3/4		3/4	
4	91,784	4	76,641	4	61,483	4	46,339	4	31,316	4	16,584	4	1,577	4		4		4	
1/4	91,468	1/4	76,326	1/4	61,167	1/4	46,023	1/4	31,011	1/4	16,267	1/4	1,370	1/4		1/4		1/4	
1/2	91,152	1/2	76,010	1/2	60,851	1/2	45,707	1/2	30,707	1/2	15,951	1/2	1,162	1/2		1/2		1/2	
3/4	90,836	3/4	75,695	3/4	60,535	3/4	45,391	3/4	30,403	3/4	15,635	3/4	955	3/4		3/4		3/4	
5	90,520	5	75,380	5	60,219	5	45,075	5	30,099	5	15,319	5	747	5		5		5	
1/4	90,204	1/4	75,065	1/4	59,903	1/4	44,759	1/4	29,795	1/4	15,002	1/4		1/4		1/4		1/4	
1/2	89,887	1/2	74,750	1/2	59,587	1/2	44,443	1/2	29,491	1/2	14,686	1/2		1/2		1/2		1/2	
3/4	89,571	3/4	74,434	3/4	59,271	3/4	44,127	3/4	29,187	3/4	14,370	3/4		3/4		3/4		3/4	
6	89,255	6	74,119	6	58,955	6	43,811	6	28,883	6	14,054	6		6		6		6	
1/4	88,939	1/4	73,804	1/4	58,640	1/4	43,495	1/4	28,579	1/4	13,738	1/4		1/4		1/4		1/4	
1/2	88,623	1/2	73,489	1/2	58,325	1/2	43,179	1/2	28,276	1/2	13,421	1/2		1/2		1/2		1/2	
3/4	88,307	3/4	73,174	3/4	58,010	3/4	42,863	3/4	27,972	3/4	13,105	3/4		3/4		3/4		3/4	
7	87,990	7	72,858	7	57,695	7	42,547	7	27,668	7	12,789	7		7		7		7	
1/4	87,675	1/4	72,543	1/4	57,380	1/4	42,231	1/4	27,364	1/4	12,473	1/4		1/4		1/4		1/4	
1/2	87,359	1/2	72,227	1/2	57,065	1/2	41,915	1/2	27,060	1/2	12,157	1/2		1/2		1/2		1/2	
3/4	87,043	3/4	71,912	3/4	56,750	3/4	41,599	3/4	26,756	3/4	11,840	3/4		3/4		3/4		3/4	
8	86,727	8	71,596	8	56,435	8	41,284	8	26,452	8	11,524	8		8		8		8	
1/4	86,412	1/4	71,280	1/4	56,120	1/4	40,968	1/4	26,148	1/4	11,208	1/4		1/4		1/4		1/4	
1/2	86,097	1/2	70,964	1/2	55,805	1/2	40,652	1/2	25,845	1/2	10,892	1/2		1/2		1/2		1/2	
3/4	85,782	3/4	70,648	3/4	55,490	3/4	40,337	3/4	25,541	3/4	10,576	3/4		3/4		3/4		3/4	
9	85,466	9	70,332	9	55,175	9	40,021	9	25,237	9	10,259	9		9		9		9	
1/4	85,151	1/4	70,016	1/4	54,860	1/4	39,705	1/4	24,933	1/4	9,943	1/4		1/4		1/4		1/4	
1/2	84,836	1/2	69,700	1/2	54,545	1/2	39,390	1/2	24,629	1/2	9,627	1/2		1/2		1/2		1/2	
3/4	84,521	3/4	69,384	3/4	54,230	3/4	39,074	3/4	24,325	3/4	9,311	3/4		3/4		3/4		3/4	
10	84,206	10	69,068	10	53,915	10	38,759	10	24,021	10	8,995	10		10		10		10	
1/4	83,890	1/4	68,752	1/4	53,600	1/4	38,443	1/4	23,717	1/4	8,678	1/4		1/4		1/4		1/4	
1/2	83,575	1/2	68,436	1/2	53,285	1/2	38,127	1/2	23,413	1/2	8,362	1/2		1/2		1/2		1/2	
3/4	83,260	3/4	68,120	3/4	52,970	3/4	37,812	3/4	23,109	3/4	8,046	3/4		3/4		3/4		3/4	
11	82,945	11	67,804	11	52,655	11	37,496	11	22,805	11	7,730	11		11		11		11	
1/4	82,630	1/4	67,488	1/4	52,340	1/4	37,180	1/4	22,501	1/4	7,415	1/4		1/4		1/4		1/4	
1/2	82,314	1/2	67,172	1/2	52,025	1/2	36,865	1/2	22,197	1/2	7,099	1/2		1/2		1/2		1/2	
3/4	81,999	3/4	66,856	3/4	51,711	3/4	36,549	3/4	21,893	3/4	6,783	3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
CALCULATED: 10/08/2014 CL
PRINTED: 10/08/2014 CL

CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2014

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



BARGE "EMS 3051"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	0 FT.	IN	1 FT.	IN	2 FT.	IN	3 FT.	IN	4 FT.	IN	5 FT.	IN	6 FT.	IN	7 FT.	IN	8 FT.	IN	9 FT.
0		0	202,687	0	194,332	0	185,720	0	176,448	0	167,053	0	157,658	0	143,090	0	127,912	0	112,732
1/4		1/4	202,479	1/4	194,160	1/4	185,532	1/4	176,252	1/4	166,857	1/4	157,414	1/4	142,773	1/4	127,596	1/4	112,415
1/2		1/2	202,271	1/2	193,989	1/2	185,344	1/2	176,057	1/2	166,662	1/2	157,171	1/2	142,457	1/2	127,280	1/2	112,099
3/4		3/4	202,063	3/4	193,817	3/4	185,157	3/4	175,861	3/4	166,466	3/4	156,927	3/4	142,141	3/4	126,963	3/4	111,783
1		1	201,855	1	193,645	1	184,969	1	175,665	1	166,270	1	156,684	1	141,824	1	126,647	1	111,466
1/4		1/4	201,629	1/4	193,473	1/4	184,780	1/4	175,469	1/4	166,074	1/4	156,440	1/4	141,508	1/4	126,331	1/4	111,150
1/2		1/2	201,402	1/2	193,300	1/2	184,591	1/2	175,274	1/2	165,879	1/2	156,196	1/2	141,191	1/2	126,015	1/2	110,834
3/4		3/4	201,176	3/4	193,127	3/4	184,402	3/4	175,078	3/4	165,683	3/4	155,953	3/4	140,875	3/4	125,699	3/4	110,517
2		2	200,950	2	192,954	2	184,213	2	174,882	2	165,487	2	155,709	2	140,559	2	125,383	2	110,201
1/4		1/4	200,785	1/4	192,780	1/4	184,023	1/4	174,687	1/4	165,291	1/4	155,402	1/4	140,242	1/4	125,067	1/4	109,884
1/2		1/2	200,620	1/2	192,606	1/2	183,833	1/2	174,491	1/2	165,096	1/2	155,095	1/2	139,926	1/2	124,751	1/2	109,568
3/4		3/4	200,456	3/4	192,432	3/4	183,643	3/4	174,295	3/4	164,900	3/4	154,787	3/4	139,609	3/4	124,435	3/4	109,252
3		3	200,291	3	192,258	3	183,453	3	174,099	3	164,704	3	154,480	3	139,293	3	124,119	3	108,935
1/4		1/4	200,130	1/4	192,081	1/4	183,261	1/4	173,904	1/4	164,509	1/4	154,164	1/4	138,977	1/4	123,803	1/4	108,619
1/2		1/2	199,970	1/2	191,905	1/2	183,070	1/2	173,708	1/2	164,313	1/2	153,847	1/2	138,660	1/2	123,487	1/2	108,302
3/4		3/4	199,810	3/4	191,728	3/4	182,879	3/4	173,512	3/4	164,117	3/4	153,531	3/4	138,344	3/4	123,171	3/4	107,986
4		4	199,650	4	191,552	4	182,687	4	173,316	4	163,921	4	153,215	4	138,028	4	122,854	4	107,670
1/4		1/4	199,488	1/4	191,374	1/4	182,495	1/4	173,121	1/4	163,726	1/4	152,898	1/4	137,711	1/4	122,538	1/4	107,353
1/2		1/2	199,326	1/2	191,196	1/2	182,302	1/2	172,925	1/2	163,530	1/2	152,582	1/2	137,395	1/2	122,222	1/2	107,037
3/4		3/4	199,164	3/4	191,018	3/4	182,110	3/4	172,729	3/4	163,334	3/4	152,265	3/4	137,078	3/4	121,906	3/4	106,721
5		5	199,002	5	190,839	5	181,917	5	172,533	5	163,138	5	151,949	5	136,762	5	121,590	5	106,404
1/4		1/4	198,839	1/4	190,660	1/4	181,723	1/4	172,338	1/4	162,943	1/4	151,633	1/4	136,446	1/4	121,274	1/4	106,088
1/2		1/2	198,676	1/2	190,481	1/2	181,530	1/2	172,142	1/2	162,747	1/2	151,316	1/2	136,130	1/2	120,958	1/2	105,771
3/4		3/4	198,512	3/4	190,302	3/4	181,336	3/4	171,946	3/4	162,551	3/4	151,000	3/4	135,814	3/4	120,641	3/4	105,455
6		6	198,349	6	190,123	6	181,142	6	171,751	6	162,356	6	150,683	6	135,498	6	120,325	6	105,139
1/4		1/4	198,185	1/4	189,942	1/4	180,947	1/4	171,556	1/4	162,160	1/4	150,367	1/4	135,181	1/4	120,009	1/4	104,822
1/2		1/2	198,021	1/2	189,762	1/2	180,752	1/2	171,359	1/2	161,964	1/2	150,051	1/2	134,865	1/2	119,692	1/2	104,506
3/4		3/4	197,856	3/4	189,581	3/4	180,557	3/4	171,163	3/4	161,768	3/4	149,734	3/4	134,549	3/4	119,376	3/4	104,189
7		7	197,692	7	189,401	7	180,362	7	170,968	7	161,573	7	149,418	7	134,233	7	119,060	7	103,873
1/4		1/4	197,526	1/4	189,219	1/4	180,167	1/4	170,772	1/4	161,377	1/4	149,101	1/4	133,917	1/4	118,743	1/4	103,557
1/2		1/2	197,361	1/2	189,038	1/2	179,971	1/2	170,576	1/2	161,181	1/2	148,785	1/2	133,601	1/2	118,427	1/2	103,240
3/4		3/4	197,195	3/4	188,856	3/4	179,775	3/4	170,380	3/4	160,985	3/4	148,469	3/4	133,285	3/4	118,110	3/4	102,924
8		8	197,030	8	188,674	8	179,580	8	170,185	8	160,790	8	148,152	8	132,969	8	117,794	8	102,608
1/4		1/4	196,863	1/4	188,492	1/4	179,384	1/4	169,989	1/4	160,594	1/4	147,836	1/4	132,653	1/4	117,478	1/4	102,291
1/2		1/2	196,696	1/2	188,309	1/2	179,188	1/2	169,793	1/2	160,398	1/2	147,519	1/2	132,337	1/2	117,161	1/2	101,975
3/4		3/4	196,529	3/4	188,126	3/4	178,993	3/4	169,598	3/4	160,202	3/4	147,203	3/4	132,021	3/4	116,845	3/4	101,658
9		9	196,362	9	187,943	9	178,797	9	169,402	9	160,007	9	146,887	9	131,705	9	116,528	9	101,342
1/4		1/4	196,194	1/4	187,759	1/4	178,601	1/4	169,206	1/4	159,811	1/4	146,570	1/4	131,389	1/4	116,212	1/4	101,026
1/2		1/2	196,026	1/2	187,575	1/2	178,405	1/2	169,010	1/2	159,615	1/2	146,254	1/2	131,072	1/2	115,896	1/2	100,709
3/4		3/4	195,858	3/4	187,391	3/4	178,210	3/4	168,816	3/4	159,420	3/4	145,937	3/4	130,756	3/4	115,579	3/4	100,393
10		10	195,690	10	187,207	10	178,014	10	168,619	10	159,224	10	145,621	10	130,440	10	115,263	10	100,076
1/4		1/4	195,521	1/4	187,021	1/4	177,818	1/4	168,423	1/4	159,028	1/4	145,305	1/4	130,124	1/4	114,947	1/4	99,760
1/2		1/2	195,352	1/2	186,836	1/2	177,622	1/2	168,227	1/2	158,832	1/2	144,988	1/2	129,808	1/2	114,630	1/2	99,444
3/4		3/4	195,183	3/4	186,651	3/4	177,427	3/4	168,032	3/4	158,637	3/4	144,672	3/4	129,492	3/4	114,314	3/4	99,127
11		11	195,014	11	186,466	11	177,231	11	167,836	11	158,441	11	144,355	11	129,176	11	113,997	11	98,811
1/4		1/4	194,843	1/4	186,279	1/4	177,035	1/4	167,640	1/4	158,245	1/4	144,039	1/4	128,860	1/4	113,681	1/4	98,495
1/2		1/2	203,071	1/2	194,673	1/2	186,093	1/2	176,840	1/2	167,445	1/2	158,049	1/2	143,723	1/2	128,544	1/2	98,178
3/4		3/4	202,879	3/4	194,502	3/4	185,906	3/4	176,644	3/4	167,249	3/4	157,854	3/4	143,406	3/4	128,228	3/4	97,862

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 OF 2" OPENING ON "HERMETIC" VALVE

GAUGE POINT: (HERMETIC) LOCATED 12'-08" OFF CENTERLINE AND 41'-03" FORWARD OF AFT BULKHEAD

PRECISION MEASUREMENT
& ANALYSIS, INC.

P.O. Box 2692
Pearland, Texas 77588
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BARGE "EMS 3051"

3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

GAUGE HEIGHT 16'-05"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	97,545	0	82,359	0	67,173	0	52,011	0	36,824	0	21,653	0	6,471	0		0			
1/4	97,229	1/4	82,043	1/4	66,856	1/4	51,695	1/4	36,508	1/4	21,337	1/4	6,155	1/4		1/4			
1/2	96,913	1/2	81,726	1/2	66,540	1/2	51,378	1/2	36,192	1/2	21,020	1/2	5,840	1/2		1/2			
3/4	96,596	3/4	81,410	3/4	66,223	3/4	51,062	3/4	35,875	3/4	20,704	3/4	5,525	3/4		3/4			
1	96,280	1	81,093	1	65,907	1	50,746	1	35,559	1	20,388	1	5,210	1		1			
1/4	95,964	1/4	80,777	1/4	65,591	1/4	50,429	1/4	35,243	1/4	20,071	1/4	4,895	1/4		1/4			
1/2	95,647	1/2	80,461	1/2	65,274	1/2	50,113	1/2	34,926	1/2	19,755	1/2	4,581	1/2		1/2			
3/4	95,331	3/4	80,144	3/4	64,958	3/4	49,796	3/4	34,610	3/4	19,439	3/4	4,267	3/4		3/4			
2	95,014	2	79,828	2	64,641	2	49,480	2	34,293	2	19,122	2	3,953	2		2			
1/4	94,698	1/4	79,512	1/4	64,325	1/4	49,164	1/4	33,977	1/4	18,806	1/4	3,640	1/4		1/4			
1/2	94,382	1/2	79,195	1/2	64,009	1/2	48,847	1/2	33,661	1/2	18,490	1/2	3,327	1/2		1/2			
3/4	94,065	3/4	78,879	3/4	63,692	3/4	48,531	3/4	33,344	3/4	18,173	3/4	3,015	3/4		3/4			
3	93,749	3	78,562	3	63,376	3	48,215	3	33,028	3	17,857	3	2,702	3		3			
1/4	93,432	1/4	78,246	1/4	63,060	1/4	47,898	1/4	32,711	1/4	17,541	1/4	2,421	1/4		1/4			
1/2	93,116	1/2	77,930	1/2	62,743	1/2	47,582	1/2	32,395	1/2	17,224	1/2	2,140	1/2		1/2			
3/4	92,800	3/4	77,613	3/4	62,427	3/4	47,265	3/4	32,079	3/4	16,908	3/4	1,859	3/4		3/4			
4	92,483	4	77,297	4	62,110	4	46,949	4	31,762	4	16,591	4	1,578	4		4			
1/4	92,167	1/4	76,980	1/4	61,794	1/4	46,633	1/4	31,446	1/4	16,275	1/4	1,370	1/4		1/4			
1/2	91,851	1/2	76,664	1/2	61,478	1/2	46,316	1/2	31,130	1/2	15,959	1/2	1,163	1/2		1/2			
3/4	91,534	3/4	76,348	3/4	61,161	3/4	46,000	3/4	30,814	3/4	15,642	3/4	955	3/4		3/4			
5	91,218	5	76,031	5	60,845	5	45,683	5	30,498	5	15,326	5	748	5		5			
1/4	90,901	1/4	75,715	1/4	60,528	1/4	45,367	1/4	30,182	1/4	15,010	1/4		1/4		1/4			
1/2	90,585	1/2	75,399	1/2	60,212	1/2	45,051	1/2	29,866	1/2	14,693	1/2		1/2		1/2			
3/4	90,269	3/4	75,082	3/4	59,896	3/4	44,734	3/4	29,550	3/4	14,377	3/4		3/4		3/4			
6	89,952	6	74,766	6	59,579	6	44,418	6	29,234	6	14,061	6		6		6			
1/4	89,636	1/4	74,449	1/4	59,264	1/4	44,101	1/4	28,918	1/4	13,744	1/4		1/4		1/4			
1/2	89,319	1/2	74,133	1/2	58,949	1/2	43,785	1/2	28,602	1/2	13,428	1/2		1/2		1/2			
3/4	89,003	3/4	73,817	3/4	58,633	3/4	43,469	3/4	28,287	3/4	13,111	3/4		3/4		3/4			
7	88,687	7	73,500	7	58,318	7	43,152	7	27,971	7	12,795	7		7		7			
1/4	88,370	1/4	73,184	1/4	58,003	1/4	42,836	1/4	27,655	1/4	12,479	1/4		1/4		1/4			
1/2	88,054	1/2	72,867	1/2	57,687	1/2	42,519	1/2	27,339	1/2	12,162	1/2		1/2		1/2			
3/4	87,738	3/4	72,551	3/4	57,372	3/4	42,203	3/4	27,023	3/4	11,846	3/4		3/4		3/4			
8	87,421	8	72,235	8	57,057	8	41,887	8	26,707	8	11,530	8		8		8			
1/4	87,105	1/4	71,918	1/4	56,741	1/4	41,570	1/4	26,392	1/4	11,213	1/4		1/4		1/4			
1/2	86,788	1/2	71,602	1/2	56,426	1/2	41,254	1/2	26,076	1/2	10,897	1/2		1/2		1/2			
3/4	86,472	3/4	71,286	3/4	56,111	3/4	40,938	3/4	25,760	3/4	10,581	3/4		3/4		3/4			
9	86,156	9	70,969	9	55,795	9	40,621	9	25,444	9	10,264	9		9		9			
1/4	85,839	1/4	70,653	1/4	55,480	1/4	40,305	1/4	25,128	1/4	9,948	1/4		1/4		1/4			
1/2	85,523	1/2	70,336	1/2	55,165	1/2	39,988	1/2	24,813	1/2	9,632	1/2		1/2		1/2			
3/4	85,206	3/4	70,020	3/4	54,849	3/4	39,672	3/4	24,497	3/4	9,315	3/4		3/4		3/4			
10	84,890	10	69,704	10	54,534	10	39,356	10	24,181	10	8,999	10		10		10			
1/4	84,574	1/4	69,387	1/4	54,219	1/4	39,039	1/4	23,865	1/4	8,683	1/4		1/4		1/4			
1/2	84,257	1/2	69,071	1/2	53,903	1/2	38,723	1/2	23,549	1/2	8,366	1/2		1/2		1/2			
3/4	83,941	3/4	68,754	3/4	53,588	3/4	38,406	3/4	23,233	3/4	8,050	3/4		3/4		3/4			
11	83,625	11	68,438	11	53,273	11	38,090	11	22,917	11	7,734	11		11		11			
1/4	83,308	1/4	68,122	1/4	52,957	1/4	37,774	1/4	22,601	1/4	7,418	1/4		1/4		1/4			
1/2	82,992	1/2	67,805	1/2	52,642	1/2	37,457	1/2	22,285	1/2	7,102	1/2		1/2		1/2			
3/4	82,675	3/4	67,489	3/4	52,327	3/4	37,141	3/4	21,969	3/4	6,787	3/4		3/4		3/4			

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 10/08/2014 SW
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CANCELS AND SUPERCEDES
ALL PRIOR TO 10/2014

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