



# BARGE "CTC 29149"

## INNAGE TRIM TABLE

FORMERLY "NGL 3024"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"  
 FOR A MEASURED INNAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED INNAGE IS 3'-11 7/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

March 22, 2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTC 29149"

# 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	544	0	12,919	0	27,611	0	42,654	0	57,698	0	72,728	0	87,763	0	102,807	0	117,846	0	132,883
1/4	712	1/4	13,209	1/4	27,924	1/4	42,968	1/4	58,011	1/4	73,041	1/4	88,077	1/4	103,121	1/4	118,160	1/4	133,196
1/2	880	1/2	13,499	1/2	28,238	1/2	43,281	1/2	58,324	1/2	73,353	1/2	88,390	1/2	103,434	1/2	118,473	1/2	133,509
3/4	1,048	3/4	13,789	3/4	28,551	3/4	43,595	3/4	58,638	3/4	73,666	3/4	88,704	3/4	103,747	3/4	118,786	3/4	133,822
1	1,216	1	14,078	1	28,865	1	43,908	1	58,951	1	73,979	1	89,017	1	104,061	1	119,099	1	134,136
1/4	1,445	1/4	14,372	1/4	29,178	1/4	44,221	1/4	59,265	1/4	74,292	1/4	89,331	1/4	104,374	1/4	119,413	1/4	134,449
1/2	1,674	1/2	14,666	1/2	29,491	1/2	44,535	1/2	59,578	1/2	74,605	1/2	89,644	1/2	104,688	1/2	119,726	1/2	134,762
3/4	1,903	3/4	14,959	3/4	29,805	3/4	44,848	3/4	59,891	3/4	74,918	3/4	89,957	3/4	105,001	3/4	120,039	3/4	135,075
2	2,132	2	15,253	2	30,118	2	45,162	2	60,205	2	75,230	2	90,271	2	105,314	2	120,352	2	135,389
1/4	2,384	1/4	15,550	1/4	30,432	1/4	45,475	1/4	60,518	1/4	75,543	1/4	90,584	1/4	105,628	1/4	120,666	1/4	135,702
1/2	2,637	1/2	15,848	1/2	30,745	1/2	45,788	1/2	60,832	1/2	75,856	1/2	90,898	1/2	105,941	1/2	120,979	1/2	136,015
3/4	2,889	3/4	16,145	3/4	31,058	3/4	46,102	3/4	61,145	3/4	76,169	3/4	91,211	3/4	106,255	3/4	121,292	3/4	136,329
3	3,141	3	16,442	3	31,372	3	46,415	3	61,458	3	76,482	3	91,524	3	106,568	3	121,605	3	136,642
1/4	3,398	1/4	16,743	1/4	31,685	1/4	46,729	1/4	61,772	1/4	76,795	1/4	91,838	1/4	106,882	1/4	121,919	1/4	136,955
1/2	3,655	1/2	17,044	1/2	31,999	1/2	47,042	1/2	62,085	1/2	77,108	1/2	92,151	1/2	107,195	1/2	122,232	1/2	137,268
3/4	3,911	3/4	17,345	3/4	32,312	3/4	47,355	3/4	62,399	3/4	77,421	3/4	92,465	3/4	107,508	3/4	122,545	3/4	137,582
4	4,168	4	17,646	4	32,625	4	47,669	4	62,712	4	77,735	4	92,778	4	107,822	4	122,858	4	137,895
1/4	4,429	1/4	17,951	1/4	32,939	1/4	47,982	1/4	63,025	1/4	78,048	1/4	93,091	1/4	108,135	1/4	123,172	1/4	138,208
1/2	4,689	1/2	18,256	1/2	33,252	1/2	48,296	1/2	63,339	1/2	78,361	1/2	93,405	1/2	108,448	1/2	123,485	1/2	138,521
3/4	4,950	3/4	18,560	3/4	33,566	3/4	48,609	3/4	63,652	3/4	78,675	3/4	93,718	3/4	108,762	3/4	123,798	3/4	138,835
5	5,210	5	18,865	5	33,879	5	48,922	5	63,966	5	78,988	5	94,032	5	109,075	5	124,111	5	139,148
1/4	5,475	1/4	19,174	1/4	34,192	1/4	49,236	1/4	64,279	1/4	79,301	1/4	94,345	1/4	109,388	1/4	124,425	1/4	139,461
1/2	5,739	1/2	19,482	1/2	34,506	1/2	49,549	1/2	64,592	1/2	79,615	1/2	94,659	1/2	109,702	1/2	124,738	1/2	139,774
3/4	6,003	3/4	19,790	3/4	34,819	3/4	49,863	3/4	64,906	3/4	79,928	3/4	94,972	3/4	110,015	3/4	125,051	3/4	140,088
6	6,268	6	20,099	6	35,133	6	50,176	6	65,219	6	80,242	6	95,285	6	110,328	6	125,364	6	140,401
1/4	6,536	1/4	20,410	1/4	35,446	1/4	50,489	1/4	65,532	1/4	80,555	1/4	95,599	1/4	110,641	1/4	125,678	1/4	140,714
1/2	6,803	1/2	20,721	1/2	35,759	1/2	50,803	1/2	65,845	1/2	80,868	1/2	95,912	1/2	110,955	1/2	125,991	1/2	141,027
3/4	7,071	3/4	21,033	3/4	36,073	3/4	51,116	3/4	66,158	3/4	81,182	3/4	96,226	3/4	111,268	3/4	126,304	3/4	141,341
7	7,339	7	21,344	7	36,386	7	51,430	7	66,471	7	81,495	7	96,539	7	111,581	7	126,618	7	141,654
1/4	7,611	1/4	21,657	1/4	36,700	1/4	51,743	1/4	66,784	1/4	81,809	1/4	96,852	1/4	111,894	1/4	126,931	1/4	141,967
1/2	7,883	1/2	21,970	1/2	37,013	1/2	52,056	1/2	67,097	1/2	82,122	1/2	97,166	1/2	112,208	1/2	127,244	1/2	142,280
3/4	8,154	3/4	22,284	3/4	37,326	3/4	52,370	3/4	67,410	3/4	82,435	3/4	97,479	3/4	112,521	3/4	127,557	3/4	142,594
8	8,426	8	22,597	8	37,640	8	52,683	8	67,723	8	82,749	8	97,793	8	112,834	8	127,871	8	142,907
1/4	8,701	1/4	22,910	1/4	37,953	1/4	52,997	1/4	68,035	1/4	83,062	1/4	98,106	1/4	113,147	1/4	128,184	1/4	143,220
1/2	8,976	1/2	23,223	1/2	38,267	1/2	53,310	1/2	68,348	1/2	83,376	1/2	98,419	1/2	113,461	1/2	128,497	1/2	143,533
3/4	9,252	3/4	23,537	3/4	38,580	3/4	53,623	3/4	68,661	3/4	83,689	3/4	98,733	3/4	113,774	3/4	128,810	3/4	143,847
9	9,527	9	23,850	9	38,894	9	53,937	9	68,974	9	84,003	9	99,046	9	114,087	9	129,124	9	144,160
1/4	9,806	1/4	24,164	1/4	39,207	1/4	54,250	1/4	69,287	1/4	84,316	1/4	99,360	1/4	114,400	1/4	129,437	1/4	144,473
1/2	10,085	1/2	24,477	1/2	39,520	1/2	54,564	1/2	69,600	1/2	84,629	1/2	99,673	1/2	114,714	1/2	129,750	1/2	144,787
3/4	10,364	3/4	24,790	3/4	39,834	3/4	54,877	3/4	69,912	3/4	84,943	3/4	99,986	3/4	115,027	3/4	130,063	3/4	145,100
10	10,643	10	25,104	10	40,147	10	55,190	10	70,225	10	85,256	10	100,300	10	115,340	10	130,377	10	145,413
1/4	10,925	1/4	25,417	1/4	40,461	1/4	55,504	1/4	70,538	1/4	85,570	1/4	100,613	1/4	115,653	1/4	130,690	1/4	145,726
1/2	11,208	1/2	25,731	1/2	40,774	1/2	55,817	1/2	70,851	1/2	85,883	1/2	100,927	1/2	115,967	1/2	131,003	1/2	146,040
3/4	11,491	3/4	26,044	3/4	41,087	3/4	56,131	3/4	71,164	3/4	86,196	3/4	101,240	3/4	116,280	3/4	131,316	3/4	146,353
11	11,773	11	26,357	11	41,401	11	56,444	11	71,476	11	86,510	11	101,554	11	116,593	11	131,630	11	146,666
1/4	12,060	1/4	26,671	1/4	41,714	1/4	56,757	1/4	71,789	1/4	86,823	1/4	101,867	1/4	116,907	1/4	131,943	1/4	146,979
1/2	12,346	1/2	26,984	1/2	42,028	1/2	57,071	1/2	72,102	1/2	87,137	1/2	102,180	1/2	117,220	1/2	132,256	1/2	147,293
3/4	12,632	3/4	27,298	3/4	42,341	3/4	57,384	3/4	72,415	3/4	87,450	3/4	102,494	3/4	117,533	3/4	132,569	3/4	147,606

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
 & ANALYSIS, INC.  
 P.O. Box 2092  
 Pearland, Texas 77588  
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# BARGE "CTC 29149"

## 1 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,919	0	162,956	0	177,990	0	192,982	0	207,886	0		0		0		0		0	
1/4	148,232	1/4	163,269	1/4	178,302	1/4	193,295	1/4	208,182	1/4		1/4		1/4		1/4		1/4	
1/2	148,546	1/2	163,582	1/2	178,614	1/2	193,607	1/2	208,478	1/2		1/2		1/2		1/2		1/2	
3/4	148,859	3/4	163,895	3/4	178,927	3/4	193,919	3/4	208,774	3/4		3/4		3/4		3/4		3/4	
1	149,172	1	164,209	1	179,239	1	194,232	1	209,069	1		1		1		1		1	
1/4	149,485	1/4	164,522	1/4	179,551	1/4	194,544	1/4	209,329	1/4		1/4		1/4		1/4		1/4	
1/2	149,799	1/2	164,835	1/2	179,864	1/2	194,856	1/2	209,589	1/2		1/2		1/2		1/2		1/2	
3/4	150,112	3/4	165,148	3/4	180,176	3/4	195,169	3/4	209,849	3/4		3/4		3/4		3/4		3/4	
2	150,425	2	165,462	2	180,488	2	195,481	2	210,109	2		2		2		2		2	
1/4	150,738	1/4	165,775	1/4	180,801	1/4	195,792	1/4	210,324	1/4		1/4		1/4		1/4		1/4	
1/2	151,052	1/2	166,088	1/2	181,113	1/2	196,103	1/2	210,539	1/2		1/2		1/2		1/2		1/2	
3/4	151,365	3/4	166,401	3/4	181,425	3/4	196,414	3/4	210,754	3/4		3/4		3/4		3/4		3/4	
3	151,678	3	166,715	3	181,738	3	196,725	3	210,970	3		3		3		3		3	
1/4	151,991	1/4	167,028	1/4	182,050	1/4	197,035	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,305	1/2	167,341	1/2	182,362	1/2	197,345	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,618	3/4	167,654	3/4	182,675	3/4	197,655	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,931	4	167,968	4	182,987	4	197,965	4		4		4		4		4		4	
1/4	153,244	1/4	168,281	1/4	183,299	1/4	198,276	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,558	1/2	168,594	1/2	183,612	1/2	198,586	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,871	3/4	168,907	3/4	183,924	3/4	198,896	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,184	5	169,221	5	184,237	5	199,206	5		5		5		5		5		5	
1/4	154,498	1/4	169,534	1/4	184,549	1/4	199,516	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,811	1/2	169,847	1/2	184,861	1/2	199,826	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,124	3/4	170,160	3/4	185,174	3/4	200,137	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,437	6	170,474	6	185,486	6	200,447	6		6		6		6		6		6	
1/4	155,751	1/4	170,787	1/4	185,798	1/4	200,757	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,064	1/2	171,100	1/2	186,111	1/2	201,067	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,377	3/4	171,413	3/4	186,423	3/4	201,377	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,690	7	171,727	7	186,735	7	201,687	7		7		7		7		7		7	
1/4	157,004	1/4	172,040	1/4	187,048	1/4	201,997	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,317	1/2	172,353	1/2	187,360	1/2	202,308	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,630	3/4	172,667	3/4	187,672	3/4	202,618	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,943	8	172,980	8	187,985	8	202,928	8		8		8		8		8		8	
1/4	158,257	1/4	173,293	1/4	188,297	1/4	203,238	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,570	1/2	173,606	1/2	188,609	1/2	203,548	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,883	3/4	173,920	3/4	188,922	3/4	203,858	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,196	9	174,233	9	189,234	9	204,169	9		9		9		9		9		9	
1/4	159,510	1/4	174,546	1/4	189,546	1/4	204,479	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,823	1/2	174,859	1/2	189,859	1/2	204,789	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,136	3/4	175,173	3/4	190,171	3/4	205,099	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,449	10	175,486	10	190,483	10	205,409	10		10		10		10		10		10	
1/4	160,763	1/4	175,799	1/4	190,796	1/4	205,719	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,076	1/2	176,112	1/2	191,108	1/2	206,029	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,389	3/4	176,426	3/4	191,420	3/4	206,339	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,702	11	176,739	11	191,733	11	206,650	11		11		11		11		11		11	
1/4	162,016	1/4	177,052	1/4	192,045	1/4	206,959	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,329	1/2	177,364	1/2	192,357	1/2	207,268	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,642	3/4	177,677	3/4	192,670	3/4	207,577	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	543	0	12,891	0	27,552	0	42,563	0	57,574	0	72,522	0	87,496	0	102,508	0	117,515	0	132,519
1/4	711	1/4	13,180	1/4	27,865	1/4	42,876	1/4	57,887	1/4	72,833	1/4	87,809	1/4	102,821	1/4	117,827	1/4	132,831
1/2	878	1/2	13,470	1/2	28,177	1/2	43,189	1/2	58,200	1/2	73,143	1/2	88,122	1/2	103,133	1/2	118,140	1/2	133,144
3/4	1,046	3/4	13,759	3/4	28,490	3/4	43,501	3/4	58,512	3/4	73,453	3/4	88,434	3/4	103,446	3/4	118,452	3/4	133,457
1	1,213	1	14,048	1	28,803	1	43,814	1	58,825	1	73,764	1	88,747	1	103,759	1	118,765	1	133,769
1/4	1,442	1/4	14,341	1/4	29,116	1/4	44,127	1/4	59,138	1/4	74,074	1/4	89,060	1/4	104,071	1/4	119,078	1/4	134,082
1/2	1,670	1/2	14,634	1/2	29,428	1/2	44,439	1/2	59,451	1/2	74,384	1/2	89,373	1/2	104,384	1/2	119,390	1/2	134,394
3/4	1,899	3/4	14,927	3/4	29,741	3/4	44,752	3/4	59,763	3/4	74,695	3/4	89,685	3/4	104,697	3/4	119,703	3/4	134,707
2	2,127	2	15,220	2	30,054	2	45,065	2	60,076	2	75,005	2	89,998	2	105,010	2	120,015	2	135,020
1/4	2,379	1/4	15,517	1/4	30,367	1/4	45,378	1/4	60,389	1/4	75,316	1/4	90,311	1/4	105,322	1/4	120,328	1/4	135,332
1/2	2,631	1/2	15,814	1/2	30,679	1/2	45,690	1/2	60,701	1/2	75,626	1/2	90,624	1/2	105,635	1/2	120,641	1/2	135,645
3/4	2,883	3/4	16,111	3/4	30,992	3/4	46,003	3/4	61,014	3/4	75,936	3/4	90,936	3/4	105,948	3/4	120,953	3/4	135,957
3	3,135	3	16,407	3	31,305	3	46,316	3	61,327	3	76,247	3	91,249	3	106,261	3	121,266	3	136,270
1/4	3,391	1/4	16,708	1/4	31,617	1/4	46,629	1/4	61,639	1/4	76,558	1/4	91,562	1/4	106,573	1/4	121,578	1/4	136,583
1/2	3,647	1/2	17,008	1/2	31,930	1/2	46,941	1/2	61,952	1/2	76,869	1/2	91,875	1/2	106,886	1/2	121,891	1/2	136,895
3/4	3,903	3/4	17,308	3/4	32,243	3/4	47,254	3/4	62,264	3/4	77,180	3/4	92,187	3/4	107,199	3/4	122,203	3/4	137,208
4	4,159	4	17,609	4	32,556	4	47,567	4	62,577	4	77,491	4	92,500	4	107,512	4	122,516	4	137,520
1/4	4,419	1/4	17,913	1/4	32,868	1/4	47,879	1/4	62,889	1/4	77,803	1/4	92,813	1/4	107,824	1/4	122,829	1/4	137,833
1/2	4,679	1/2	18,217	1/2	33,181	1/2	48,192	1/2	63,201	1/2	78,115	1/2	93,126	1/2	108,137	1/2	123,141	1/2	138,145
3/4	4,939	3/4	18,521	3/4	33,494	3/4	48,505	3/4	63,512	3/4	78,427	3/4	93,438	3/4	108,450	3/4	123,454	3/4	138,458
5	5,199	5	18,825	5	33,807	5	48,818	5	63,824	5	78,739	5	93,751	5	108,762	5	123,766	5	138,771
1/4	5,463	1/4	19,132	1/4	34,119	1/4	49,130	1/4	64,136	1/4	79,052	1/4	94,064	1/4	109,075	1/4	124,079	1/4	139,083
1/2	5,727	1/2	19,440	1/2	34,432	1/2	49,443	1/2	64,448	1/2	79,365	1/2	94,377	1/2	109,387	1/2	124,392	1/2	139,396
3/4	5,990	3/4	19,748	3/4	34,745	3/4	49,756	3/4	64,759	3/4	79,678	3/4	94,689	3/4	109,700	3/4	124,704	3/4	139,708
6	6,254	6	20,056	6	35,057	6	50,069	6	65,071	6	79,990	6	95,002	6	110,013	6	125,017	6	140,021
1/4	6,522	1/4	20,366	1/4	35,370	1/4	50,381	1/4	65,382	1/4	80,303	1/4	95,315	1/4	110,325	1/4	125,329	1/4	140,334
1/2	6,789	1/2	20,677	1/2	35,683	1/2	50,694	1/2	65,693	1/2	80,616	1/2	95,627	1/2	110,638	1/2	125,642	1/2	140,646
3/4	7,056	3/4	20,988	3/4	35,996	3/4	51,007	3/4	66,004	3/4	80,929	3/4	95,940	3/4	110,950	3/4	125,955	3/4	140,959
7	7,324	7	21,299	7	36,308	7	51,320	7	66,315	7	81,241	7	96,253	7	111,263	7	126,267	7	141,271
1/4	7,595	1/4	21,611	1/4	36,621	1/4	51,632	1/4	66,625	1/4	81,554	1/4	96,566	1/4	111,575	1/4	126,580	1/4	141,584
1/2	7,866	1/2	21,923	1/2	36,934	1/2	51,945	1/2	66,935	1/2	81,867	1/2	96,878	1/2	111,888	1/2	126,892	1/2	141,897
3/4	8,137	3/4	22,236	3/4	37,247	3/4	52,258	3/4	67,246	3/4	82,180	3/4	97,191	3/4	112,201	3/4	127,205	3/4	142,209
8	8,408	8	22,548	8	37,559	8	52,570	8	67,556	8	82,492	8	97,504	8	112,513	8	127,517	8	142,522
1/4	8,682	1/4	22,861	1/4	37,872	1/4	52,883	1/4	67,867	1/4	82,805	1/4	97,817	1/4	112,826	1/4	127,830	1/4	142,834
1/2	8,957	1/2	23,174	1/2	38,185	1/2	53,196	1/2	68,177	1/2	83,118	1/2	98,129	1/2	113,138	1/2	128,143	1/2	143,147
3/4	9,232	3/4	23,486	3/4	38,498	3/4	53,509	3/4	68,487	3/4	83,431	3/4	98,442	3/4	113,451	3/4	128,455	3/4	143,459
9	9,507	9	23,799	9	38,810	9	53,821	9	68,798	9	83,743	9	98,755	9	113,764	9	128,768	9	143,772
1/4	9,785	1/4	24,112	1/4	39,123	1/4	54,134	1/4	69,108	1/4	84,056	1/4	99,068	1/4	114,076	1/4	129,080	1/4	144,085
1/2	10,063	1/2	24,425	1/2	39,436	1/2	54,447	1/2	69,418	1/2	84,369	1/2	99,380	1/2	114,389	1/2	129,393	1/2	144,397
3/4	10,342	3/4	24,737	3/4	39,748	3/4	54,760	3/4	69,729	3/4	84,682	3/4	99,693	3/4	114,701	3/4	129,706	3/4	144,710
10	10,620	10	25,050	10	40,061	10	55,072	10	70,039	10	84,994	10	100,006	10	115,014	10	130,018	10	145,022
1/4	10,902	1/4	25,363	1/4	40,374	1/4	55,385	1/4	70,350	1/4	85,307	1/4	100,319	1/4	115,327	1/4	130,331	1/4	145,335
1/2	11,184	1/2	25,676	1/2	40,687	1/2	55,698	1/2	70,660	1/2	85,620	1/2	100,631	1/2	115,639	1/2	130,643	1/2	145,648
3/4	11,466	3/4	25,988	3/4	40,999	3/4	56,011	3/4	70,970	3/4	85,933	3/4	100,944	3/4	115,952	3/4	130,956	3/4	145,960
11	11,748	11	26,301	11	41,312	11	56,323	11	71,281	11	86,245	11	101,257	11	116,264	11	131,269	11	146,273
1/4	12,034	1/4	26,614	1/4	41,625	1/4	56,636	1/4	71,591	1/4	86,558	1/4	101,570	1/4	116,577	1/4	131,581	1/4	146,585
1/2	12,320	1/2	26,926	1/2	41,938	1/2	56,949	1/2	71,901	1/2	86,871	1/2	101,882	1/2	116,889	1/2	131,894	1/2	146,898
3/4	12,605	3/4	27,239	3/4	42,250	3/4	57,261	3/4	72,212	3/4	87,183	3/4	102,195	3/4	117,202	3/4	132,206	3/4	147,211

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTC 29149"

## 1 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 1/4"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	147,523	0	162,527	0	177,529	0	192,490	0	207,362	0		0		0		0		0	
1/4	147,836	1/4	162,840	1/4	177,841	1/4	192,801	1/4	207,657	1/4		1/4		1/4		1/4		1/4	
1/2	148,148	1/2	163,153	1/2	178,153	1/2	193,113	1/2	207,952	1/2		1/2		1/2		1/2		1/2	
3/4	148,461	3/4	163,465	3/4	178,464	3/4	193,425	3/4	208,247	3/4		3/4		3/4		3/4		3/4	
1	148,773	1	163,778	1	178,776	1	193,736	1	208,542	1		1		1		1		1	
1/4	149,086	1/4	164,090	1/4	179,088	1/4	194,048	1/4	208,802	1/4		1/4		1/4		1/4		1/4	
1/2	149,399	1/2	164,403	1/2	179,399	1/2	194,360	1/2	209,061	1/2		1/2		1/2		1/2		1/2	
3/4	149,711	3/4	164,715	3/4	179,711	3/4	194,671	3/4	209,320	3/4		3/4		3/4		3/4		3/4	
2	150,024	2	165,028	2	180,023	2	194,983	2	209,580	2		2		2		2		2	
1/4	150,336	1/4	165,341	1/4	180,334	1/4	195,293	1/4	209,795	1/4		1/4		1/4		1/4		1/4	
1/2	150,649	1/2	165,653	1/2	180,646	1/2	195,604	1/2	210,009	1/2		1/2		1/2		1/2		1/2	
3/4	150,962	3/4	165,966	3/4	180,958	3/4	195,914	3/4	210,224	3/4		3/4		3/4		3/4		3/4	
3	151,274	3	166,278	3	181,269	3	196,224	3	210,439	3		3		3		3		3	
1/4	151,587	1/4	166,591	1/4	181,581	1/4	196,534	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	151,899	1/2	166,904	1/2	181,893	1/2	196,843	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	152,212	3/4	167,216	3/4	182,204	3/4	197,153	3/4		3/4		3/4		3/4		3/4		3/4	
4	152,525	4	167,529	4	182,516	4	197,462	4		4		4		4		4		4	
1/4	152,837	1/4	167,841	1/4	182,828	1/4	197,772	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,150	1/2	168,154	1/2	183,139	1/2	198,081	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,462	3/4	168,467	3/4	183,451	3/4	198,391	3/4		3/4		3/4		3/4		3/4		3/4	
5	153,775	5	168,779	5	183,763	5	198,700	5		5		5		5		5		5	
1/4	154,087	1/4	169,092	1/4	184,074	1/4	199,010	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,400	1/2	169,404	1/2	184,386	1/2	199,319	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,713	3/4	169,717	3/4	184,698	3/4	199,629	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,025	6	170,029	6	185,010	6	199,938	6		6		6		6		6		6	
1/4	155,338	1/4	170,342	1/4	185,321	1/4	200,248	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,650	1/2	170,655	1/2	185,633	1/2	200,557	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,963	3/4	170,967	3/4	185,945	3/4	200,867	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,276	7	171,280	7	186,256	7	201,176	7		7		7		7		7		7	
1/4	156,588	1/4	171,592	1/4	186,568	1/4	201,486	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,901	1/2	171,905	1/2	186,880	1/2	201,795	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,213	3/4	172,218	3/4	187,191	3/4	202,105	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,526	8	172,530	8	187,503	8	202,414	8		8		8		8		8		8	
1/4	157,839	1/4	172,843	1/4	187,815	1/4	202,724	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,151	1/2	173,155	1/2	188,126	1/2	203,033	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,464	3/4	173,468	3/4	188,438	3/4	203,343	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,776	9	173,781	9	188,750	9	203,652	9		9		9		9		9		9	
1/4	159,089	1/4	174,093	1/4	189,061	1/4	203,962	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,401	1/2	174,406	1/2	189,373	1/2	204,271	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,714	3/4	174,718	3/4	189,685	3/4	204,581	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,027	10	175,031	10	189,996	10	204,890	10		10		10		10		10		10	
1/4	160,339	1/4	175,343	1/4	190,308	1/4	205,200	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,652	1/2	175,656	1/2	190,620	1/2	205,509	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,964	3/4	175,969	3/4	190,931	3/4	205,818	3/4		3/4		3/4		3/4		3/4		3/4	
11	161,277	11	176,281	11	191,243	11	206,128	11		11		11		11		11		11	
1/4	161,590	1/4	176,593	1/4	191,555	1/4	206,436	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,902	1/2	176,905	1/2	191,866	1/2	206,745	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,215	3/4	177,217	3/4	192,178	3/4	207,054	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

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	632	0	15,281	0	30,385	0	45,473	0	60,570	0	75,674	0	90,778	0	105,882	0	120,982	0	136,078
1/4	854	1/4	15,596	1/4	30,699	1/4	45,787	1/4	60,885	1/4	75,989	1/4	91,093	1/4	106,197	1/4	121,296	1/4	136,393
1/2	1,077	1/2	15,910	1/2	31,014	1/2	46,101	1/2	61,199	1/2	76,303	1/2	91,407	1/2	106,512	1/2	121,611	1/2	136,707
3/4	1,300	3/4	16,225	3/4	31,329	3/4	46,416	3/4	61,514	3/4	76,618	3/4	91,722	3/4	106,826	3/4	121,925	3/4	137,022
1	1,523	1	16,540	1	31,643	1	46,730	1	61,829	1	76,933	1	92,037	1	107,141	1	122,240	1	137,336
1/4	1,817	1/4	16,854	1/4	31,958	1/4	47,044	1/4	62,143	1/4	77,247	1/4	92,351	1/4	107,456	1/4	122,554	1/4	137,651
1/2	2,111	1/2	17,169	1/2	32,273	1/2	47,358	1/2	62,458	1/2	77,562	1/2	92,666	1/2	107,770	1/2	122,869	1/2	137,965
3/4	2,405	3/4	17,484	3/4	32,587	3/4	47,672	3/4	62,773	3/4	77,877	3/4	92,981	3/4	108,085	3/4	123,183	3/4	138,280
2	2,699	2	17,798	2	32,902	2	47,986	2	63,087	2	78,191	2	93,295	2	108,400	2	123,498	2	138,594
1/4	3,013	1/4	18,113	1/4	33,217	1/4	48,300	1/4	63,402	1/4	78,506	1/4	93,610	1/4	108,714	1/4	123,812	1/4	138,909
1/2	3,327	1/2	18,428	1/2	33,531	1/2	48,614	1/2	63,717	1/2	78,821	1/2	93,925	1/2	109,029	1/2	124,127	1/2	139,223
3/4	3,640	3/4	18,742	3/4	33,846	3/4	48,928	3/4	64,031	3/4	79,135	3/4	94,239	3/4	109,344	3/4	124,441	3/4	139,538
3	3,954	3	19,057	3	34,161	3	49,243	3	64,346	3	79,450	3	94,554	3	109,658	3	124,756	3	139,853
1/4	4,269	1/4	19,372	1/4	34,475	1/4	49,557	1/4	64,661	1/4	79,765	1/4	94,869	1/4	109,973	1/4	125,070	1/4	140,167
1/2	4,583	1/2	19,686	1/2	34,790	1/2	49,872	1/2	64,975	1/2	80,079	1/2	95,183	1/2	110,288	1/2	125,385	1/2	140,482
3/4	4,898	3/4	20,001	3/4	35,105	3/4	50,186	3/4	65,290	3/4	80,394	3/4	95,498	3/4	110,602	3/4	125,699	3/4	140,796
4	5,212	4	20,316	4	35,419	4	50,501	4	65,605	4	80,709	4	95,813	4	110,917	4	126,014	4	141,111
1/4	5,527	1/4	20,630	1/4	35,734	1/4	50,815	1/4	65,919	1/4	81,023	1/4	96,127	1/4	111,231	1/4	126,328	1/4	141,425
1/2	5,841	1/2	20,945	1/2	36,049	1/2	51,130	1/2	66,234	1/2	81,338	1/2	96,442	1/2	111,546	1/2	126,643	1/2	141,740
3/4	6,156	3/4	21,260	3/4	36,363	3/4	51,445	3/4	66,549	3/4	81,653	3/4	96,757	3/4	111,861	3/4	126,957	3/4	142,054
5	6,471	5	21,574	5	36,678	5	51,759	5	66,863	5	81,967	5	97,071	5	112,175	5	127,272	5	142,369
1/4	6,785	1/4	21,889	1/4	36,992	1/4	52,074	1/4	67,178	1/4	82,282	1/4	97,386	1/4	112,490	1/4	127,586	1/4	142,683
1/2	7,100	1/2	22,204	1/2	37,307	1/2	52,389	1/2	67,493	1/2	82,597	1/2	97,701	1/2	112,804	1/2	127,901	1/2	142,998
3/4	7,415	3/4	22,518	3/4	37,621	3/4	52,703	3/4	67,807	3/4	82,911	3/4	98,015	3/4	113,119	3/4	128,215	3/4	143,312
6	7,729	6	22,833	6	37,935	6	53,018	6	68,122	6	83,226	6	98,330	6	113,433	6	128,530	6	143,627
1/4	8,044	1/4	23,147	1/4	38,250	1/4	53,333	1/4	68,437	1/4	83,541	1/4	98,645	1/4	113,748	1/4	128,844	1/4	143,941
1/2	8,359	1/2	23,462	1/2	38,564	1/2	53,647	1/2	68,751	1/2	83,855	1/2	98,960	1/2	114,062	1/2	129,159	1/2	144,256
3/4	8,673	3/4	23,777	3/4	38,878	3/4	53,962	3/4	69,066	3/4	84,170	3/4	99,274	3/4	114,377	3/4	129,474	3/4	144,570
7	8,988	7	24,091	7	39,192	7	54,277	7	69,381	7	84,485	7	99,589	7	114,691	7	129,788	7	144,885
1/4	9,302	1/4	24,406	1/4	39,506	1/4	54,591	1/4	69,695	1/4	84,799	1/4	99,904	1/4	115,006	1/4	130,103	1/4	145,199
1/2	9,617	1/2	24,721	1/2	39,820	1/2	54,906	1/2	70,010	1/2	85,114	1/2	100,218	1/2	115,320	1/2	130,417	1/2	145,514
3/4	9,932	3/4	25,035	3/4	40,134	3/4	55,221	3/4	70,325	3/4	85,429	3/4	100,533	3/4	115,635	3/4	130,732	3/4	145,828
8	10,246	8	25,350	8	40,448	8	55,535	8	70,639	8	85,743	8	100,848	8	115,949	8	131,046	8	146,143
1/4	10,561	1/4	25,665	1/4	40,762	1/4	55,850	1/4	70,954	1/4	86,058	1/4	101,162	1/4	116,264	1/4	131,361	1/4	146,457
1/2	10,876	1/2	25,979	1/2	41,076	1/2	56,165	1/2	71,269	1/2	86,373	1/2	101,477	1/2	116,578	1/2	131,675	1/2	146,772
3/4	11,190	3/4	26,294	3/4	41,390	3/4	56,479	3/4	71,583	3/4	86,687	3/4	101,792	3/4	116,893	3/4	131,990	3/4	147,086
9	11,505	9	26,609	9	41,704	9	56,794	9	71,898	9	87,002	9	102,106	9	117,207	9	132,304	9	147,401
1/4	11,820	1/4	26,923	1/4	42,019	1/4	57,109	1/4	72,213	1/4	87,317	1/4	102,421	1/4	117,522	1/4	132,619	1/4	147,715
1/2	12,134	1/2	27,238	1/2	42,333	1/2	57,423	1/2	72,527	1/2	87,631	1/2	102,736	1/2	117,836	1/2	132,933	1/2	148,030
3/4	12,449	3/4	27,553	3/4	42,647	3/4	57,738	3/4	72,842	3/4	87,946	3/4	103,050	3/4	118,151	3/4	133,248	3/4	148,344
10	12,764	10	27,867	10	42,961	10	58,053	10	73,157	10	88,261	10	103,365	10	118,465	10	133,562	10	148,659
1/4	13,078	1/4	28,182	1/4	43,275	1/4	58,367	1/4	73,471	1/4	88,575	1/4	103,680	1/4	118,780	1/4	133,877	1/4	148,973
1/2	13,393	1/2	28,497	1/2	43,589	1/2	58,682	1/2	73,786	1/2	88,890	1/2	103,994	1/2	119,095	1/2	134,191	1/2	149,288
3/4	13,708	3/4	28,811	3/4	43,903	3/4	58,997	3/4	74,101	3/4	89,205	3/4	104,309	3/4	119,409	3/4	134,506	3/4	149,602
11	14,022	11	29,126	11	44,217	11	59,311	11	74,415	11	89,519	11	104,624	11	119,724	11	134,820	11	149,917
1/4	14,337	1/4	29,441	1/4	44,531	1/4	59,626	1/4	74,730	1/4	89,834	1/4	104,938	1/4	120,038	1/4	135,135	1/4	150,232
1/2	14,652	1/2	29,755	1/2	44,845	1/2	59,941	1/2	75,045	1/2	90,149	1/2	105,253	1/2	120,353	1/2	135,449	1/2	150,546
3/4	14,966	3/4	30,070	3/4	45,159	3/4	60,255	3/4	75,359	3/4	90,463	3/4	105,568	3/4	120,667	3/4	135,764	3/4	150,861

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 2 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	151,175	0	166,272	0	181,366	0	196,419	0	211,384	0		0		0		0		0	
1/4	151,490	1/4	166,586	1/4	181,680	1/4	196,733	1/4	211,680	1/4		1/4		1/4		1/4		1/4	
1/2	151,804	1/2	166,901	1/2	181,993	1/2	197,046	1/2	211,977	1/2		1/2		1/2		1/2		1/2	
3/4	152,119	3/4	167,215	3/4	182,307	3/4	197,360	3/4	212,274	3/4		3/4		3/4		3/4		3/4	
1	152,433	1	167,530	1	182,621	1	197,674	1	212,571	1		1		1		1		1	
1/4	152,748	1/4	167,844	1/4	182,934	1/4	197,987	1/4	212,832	1/4		1/4		1/4		1/4		1/4	
1/2	153,062	1/2	168,159	1/2	183,248	1/2	198,301	1/2	213,093	1/2		1/2		1/2		1/2		1/2	
3/4	153,377	3/4	168,473	3/4	183,561	3/4	198,614	3/4	213,354	3/4		3/4		3/4		3/4		3/4	
2	153,691	2	168,788	2	183,875	2	198,928	2	213,615	2		2		2		2		2	
1/4	154,006	1/4	169,102	1/4	184,189	1/4	199,240	1/4	213,831	1/4		1/4		1/4		1/4		1/4	
1/2	154,320	1/2	169,417	1/2	184,502	1/2	199,552	1/2	214,047	1/2		1/2		1/2		1/2		1/2	
3/4	154,635	3/4	169,731	3/4	184,816	3/4	199,865	3/4	214,263	3/4		3/4		3/4		3/4		3/4	
3	154,949	3	170,046	3	185,129	3	200,177	3	214,479	3		3		3		3		3	
1/4	155,264	1/4	170,360	1/4	185,443	1/4	200,488	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,578	1/2	170,675	1/2	185,757	1/2	200,800	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,893	3/4	170,990	3/4	186,070	3/4	201,111	3/4		3/4		3/4		3/4		3/4		3/4	
4	156,207	4	171,304	4	186,384	4	201,422	4		4		4		4		4		4	
1/4	156,522	1/4	171,619	1/4	186,697	1/4	201,734	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,836	1/2	171,933	1/2	187,011	1/2	202,045	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,151	3/4	172,248	3/4	187,325	3/4	202,357	3/4		3/4		3/4		3/4		3/4		3/4	
5	157,465	5	172,562	5	187,638	5	202,668	5		5		5		5		5		5	
1/4	157,780	1/4	172,877	1/4	187,952	1/4	202,980	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,094	1/2	173,191	1/2	188,265	1/2	203,291	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,409	3/4	173,506	3/4	188,579	3/4	203,602	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,723	6	173,820	6	188,893	6	203,914	6		6		6		6		6		6	
1/4	159,038	1/4	174,135	1/4	189,206	1/4	204,225	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,352	1/2	174,449	1/2	189,520	1/2	204,537	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,667	3/4	174,764	3/4	189,833	3/4	204,848	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,981	7	175,078	7	190,147	7	205,159	7		7		7		7		7		7	
1/4	160,296	1/4	175,393	1/4	190,461	1/4	205,471	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,611	1/2	175,707	1/2	190,774	1/2	205,782	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,925	3/4	176,022	3/4	191,088	3/4	206,094	3/4		3/4		3/4		3/4		3/4		3/4	
8	161,240	8	176,336	8	191,401	8	206,405	8		8		8		8		8		8	
1/4	161,554	1/4	176,651	1/4	191,715	1/4	206,716	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,869	1/2	176,965	1/2	192,029	1/2	207,028	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,183	3/4	177,280	3/4	192,342	3/4	207,339	3/4		3/4		3/4		3/4		3/4		3/4	
9	162,498	9	177,594	9	192,656	9	207,651	9		9		9		9		9		9	
1/4	162,812	1/4	177,909	1/4	192,970	1/4	207,962	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,127	1/2	178,223	1/2	193,283	1/2	208,274	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	163,441	3/4	178,538	3/4	193,597	3/4	208,585	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,756	10	178,852	10	193,910	10	208,897	10		10		10		10		10		10	
1/4	164,070	1/4	179,167	1/4	194,224	1/4	209,208	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	164,385	1/2	179,481	1/2	194,538	1/2	209,519	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,699	3/4	179,796	3/4	194,851	3/4	209,830	3/4		3/4		3/4		3/4		3/4		3/4	
11	165,014	11	180,110	11	195,165	11	210,142	11		11		11		11		11		11	
1/4	165,328	1/4	180,424	1/4	195,478	1/4	210,452	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,643	1/2	180,738	1/2	195,792	1/2	210,763	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,957	3/4	181,052	3/4	196,106	3/4	211,073	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

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	632	0	15,285	0	30,392	0	45,484	0	60,384	0	75,211	0	90,229	0	105,336	0	120,440	0	135,540
1/4	855	1/4	15,599	1/4	30,707	1/4	45,798	1/4	60,692	1/4	75,520	1/4	90,543	1/4	105,651	1/4	120,754	1/4	135,854
1/2	1,078	1/2	15,914	1/2	31,021	1/2	46,113	1/2	61,001	1/2	75,829	1/2	90,858	1/2	105,966	1/2	121,069	1/2	136,169
3/4	1,300	3/4	16,229	3/4	31,336	3/4	46,427	3/4	61,310	3/4	76,138	3/4	91,173	3/4	106,281	3/4	121,383	3/4	136,484
1	1,523	1	16,544	1	31,651	1	46,741	1	61,619	1	76,447	1	91,488	1	106,595	1	121,698	1	136,798
1/4	1,817	1/4	16,858	1/4	31,966	1/4	47,055	1/4	61,928	1/4	76,756	1/4	91,802	1/4	106,910	1/4	122,012	1/4	137,113
1/2	2,112	1/2	17,173	1/2	32,280	1/2	47,369	1/2	62,237	1/2	77,065	1/2	92,117	1/2	107,225	1/2	122,327	1/2	137,427
3/4	2,406	3/4	17,488	3/4	32,595	3/4	47,683	3/4	62,546	3/4	77,374	3/4	92,432	3/4	107,540	3/4	122,642	3/4	137,742
2	2,700	2	17,803	2	32,910	2	47,998	2	62,855	2	77,683	2	92,747	2	107,854	2	122,956	2	138,057
1/4	3,014	1/4	18,117	1/4	33,225	1/4	48,312	1/4	63,164	1/4	77,992	1/4	93,061	1/4	108,169	1/4	123,271	1/4	138,371
1/2	3,327	1/2	18,432	1/2	33,539	1/2	48,626	1/2	63,473	1/2	78,301	1/2	93,376	1/2	108,484	1/2	123,585	1/2	138,686
3/4	3,641	3/4	18,747	3/4	33,854	3/4	48,940	3/4	63,782	3/4	78,609	3/4	93,691	3/4	108,799	3/4	123,900	3/4	139,000
3	3,955	3	19,062	3	34,169	3	49,255	3	64,090	3	78,918	3	94,006	3	109,113	3	124,215	3	139,315
1/4	4,270	1/4	19,376	1/4	34,484	1/4	49,565	1/4	64,399	1/4	79,229	1/4	94,320	1/4	109,428	1/4	124,529	1/4	139,630
1/2	4,584	1/2	19,691	1/2	34,798	1/2	49,876	1/2	64,708	1/2	79,540	1/2	94,635	1/2	109,743	1/2	124,844	1/2	139,944
3/4	4,899	3/4	20,006	3/4	35,113	3/4	50,187	3/4	65,017	3/4	79,851	3/4	94,950	3/4	110,058	3/4	125,158	3/4	140,259
4	5,213	4	20,320	4	35,428	4	50,498	4	65,326	4	80,161	4	95,265	4	110,372	4	125,473	4	140,573
1/4	5,528	1/4	20,635	1/4	35,742	1/4	50,807	1/4	65,635	1/4	80,475	1/4	95,579	1/4	110,687	1/4	125,788	1/4	140,888
1/2	5,843	1/2	20,950	1/2	36,057	1/2	51,116	1/2	65,944	1/2	80,789	1/2	95,894	1/2	111,002	1/2	126,102	1/2	141,203
3/4	6,157	3/4	21,265	3/4	36,372	3/4	51,425	3/4	66,253	3/4	81,102	3/4	96,209	3/4	111,316	3/4	126,417	3/4	141,517
5	6,472	5	21,579	5	36,687	5	51,734	5	66,562	5	81,416	5	96,524	5	111,631	5	126,731	5	141,832
1/4	6,787	1/4	21,894	1/4	37,001	1/4	52,043	1/4	66,871	1/4	81,731	1/4	96,838	1/4	111,946	1/4	127,046	1/4	142,146
1/2	7,102	1/2	22,209	1/2	37,316	1/2	52,352	1/2	67,180	1/2	82,045	1/2	97,153	1/2	112,260	1/2	127,361	1/2	142,461
3/4	7,416	3/4	22,524	3/4	37,630	3/4	52,661	3/4	67,489	3/4	82,360	3/4	97,468	3/4	112,575	3/4	127,675	3/4	142,775
6	7,731	6	22,838	6	37,945	6	52,970	6	67,797	6	82,675	6	97,783	6	112,889	6	127,990	6	143,090
1/4	8,046	1/4	23,153	1/4	38,259	1/4	53,278	1/4	68,106	1/4	82,990	1/4	98,097	1/4	113,204	1/4	128,304	1/4	143,405
1/2	8,361	1/2	23,468	1/2	38,573	1/2	53,587	1/2	68,415	1/2	83,304	1/2	98,412	1/2	113,519	1/2	128,619	1/2	143,719
3/4	8,675	3/4	23,783	3/4	38,887	3/4	53,896	3/4	68,724	3/4	83,619	3/4	98,727	3/4	113,833	3/4	128,933	3/4	144,034
7	8,990	7	24,097	7	39,201	7	54,205	7	69,033	7	83,934	7	99,042	7	114,148	7	129,248	7	144,348
1/4	9,305	1/4	24,412	1/4	39,516	1/4	54,514	1/4	69,342	1/4	84,249	1/4	99,356	1/4	114,462	1/4	129,563	1/4	144,663
1/2	9,619	1/2	24,727	1/2	39,830	1/2	54,823	1/2	69,651	1/2	84,563	1/2	99,671	1/2	114,777	1/2	129,877	1/2	144,978
3/4	9,934	3/4	25,042	3/4	40,144	3/4	55,132	3/4	69,960	3/4	84,878	3/4	99,986	3/4	115,091	3/4	130,192	3/4	145,292
8	10,249	8	25,356	8	40,458	8	55,441	8	70,269	8	85,193	8	100,301	8	115,406	8	130,506	8	145,607
1/4	10,564	1/4	25,671	1/4	40,772	1/4	55,750	1/4	70,578	1/4	85,508	1/4	100,615	1/4	115,721	1/4	130,821	1/4	145,921
1/2	10,878	1/2	25,986	1/2	41,086	1/2	56,059	1/2	70,887	1/2	85,822	1/2	100,930	1/2	116,035	1/2	131,136	1/2	146,236
3/4	11,193	3/4	26,300	3/4	41,400	3/4	56,368	3/4	71,195	3/4	86,137	3/4	101,245	3/4	116,350	3/4	131,450	3/4	146,551
9	11,508	9	26,615	9	41,715	9	56,677	9	71,504	9	86,452	9	101,560	9	116,664	9	131,765	9	146,865
1/4	11,823	1/4	26,930	1/4	42,029	1/4	56,985	1/4	71,813	1/4	86,767	1/4	101,874	1/4	116,979	1/4	132,079	1/4	147,180
1/2	12,137	1/2	27,245	1/2	42,343	1/2	57,294	1/2	72,122	1/2	87,081	1/2	102,189	1/2	117,294	1/2	132,394	1/2	147,494
3/4	12,452	3/4	27,559	3/4	42,657	3/4	57,603	3/4	72,431	3/4	87,396	3/4	102,504	3/4	117,608	3/4	132,709	3/4	147,809
10	12,767	10	27,874	10	42,971	10	57,912	10	72,740	10	87,711	10	102,819	10	117,923	10	133,023	10	148,124
1/4	13,082	1/4	28,189	1/4	43,285	1/4	58,221	1/4	73,049	1/4	88,026	1/4	103,133	1/4	118,237	1/4	133,338	1/4	148,438
1/2	13,396	1/2	28,504	1/2	43,599	1/2	58,530	1/2	73,358	1/2	88,340	1/2	103,448	1/2	118,552	1/2	133,652	1/2	148,753
3/4	13,711	3/4	28,818	3/4	43,914	3/4	58,839	3/4	73,667	3/4	88,655	3/4	103,763	3/4	118,867	3/4	133,967	3/4	149,067
11	14,026	11	29,133	11	44,228	11	59,148	11	73,976	11	88,970	11	104,077	11	119,181	11	134,282	11	149,382
1/4	14,341	1/4	29,448	1/4	44,542	1/4	59,457	1/4	74,285	1/4	89,285	1/4	104,392	1/4	119,496	1/4	134,596	1/4	149,697
1/2	14,655	1/2	29,763	1/2	44,856	1/2	59,766	1/2	74,594	1/2	89,599	1/2	104,707	1/2	119,810	1/2	134,911	1/2	150,011
3/4	14,970	3/4	30,077	3/4	45,170	3/4	60,075	3/4	74,902	3/4	89,914	3/4	105,022	3/4	120,125	3/4	135,225	3/4	150,326

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 2 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,640	0	165,741	0	180,839	0	195,895	0	210,863	0		0		0		0		0	
1/4	150,955	1/4	166,055	1/4	181,152	1/4	196,209	1/4	211,160	1/4		1/4		1/4		1/4		1/4	
1/2	151,269	1/2	166,370	1/2	181,466	1/2	196,523	1/2	211,457	1/2		1/2		1/2		1/2		1/2	
3/4	151,584	3/4	166,684	3/4	181,780	3/4	196,836	3/4	211,754	3/4		3/4		3/4		3/4		3/4	
1	151,899	1	166,999	1	182,093	1	197,150	1	212,051	1		1		1		1		1	
1/4	152,213	1/4	167,314	1/4	182,407	1/4	197,464	1/4	212,312	1/4		1/4		1/4		1/4		1/4	
1/2	152,528	1/2	167,628	1/2	182,721	1/2	197,777	1/2	212,573	1/2		1/2		1/2		1/2		1/2	
3/4	152,842	3/4	167,943	3/4	183,035	3/4	198,091	3/4	212,834	3/4		3/4		3/4		3/4		3/4	
2	153,157	2	168,257	2	183,348	2	198,405	2	213,095	2		2		2		2		2	
1/4	153,472	1/4	168,572	1/4	183,662	1/4	198,717	1/4	213,311	1/4		1/4		1/4		1/4		1/4	
1/2	153,786	1/2	168,887	1/2	183,976	1/2	199,029	1/2	213,528	1/2		1/2		1/2		1/2		1/2	
3/4	154,101	3/4	169,201	3/4	184,289	3/4	199,342	3/4	213,744	3/4		3/4		3/4		3/4		3/4	
3	154,415	3	169,516	3	184,603	3	199,654	3	213,960	3		3		3		3		3	
1/4	154,730	1/4	169,830	1/4	184,917	1/4	199,965	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,045	1/2	170,145	1/2	185,230	1/2	200,277	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,359	3/4	170,460	3/4	185,544	3/4	200,588	3/4		3/4		3/4		3/4		3/4		3/4	
4	155,674	4	170,774	4	185,858	4	200,900	4		4		4		4		4		4	
1/4	155,988	1/4	171,089	1/4	186,171	1/4	201,211	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,303	1/2	171,403	1/2	186,485	1/2	201,523	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,618	3/4	171,718	3/4	186,799	3/4	201,834	3/4		3/4		3/4		3/4		3/4		3/4	
5	156,932	5	172,032	5	187,112	5	202,146	5		5		5		5		5		5	
1/4	157,247	1/4	172,347	1/4	187,426	1/4	202,457	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,561	1/2	172,662	1/2	187,740	1/2	202,769	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,876	3/4	172,976	3/4	188,053	3/4	203,080	3/4		3/4		3/4		3/4		3/4		3/4	
6	158,190	6	173,291	6	188,367	6	203,392	6		6		6		6		6		6	
1/4	158,505	1/4	173,605	1/4	188,681	1/4	203,703	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,820	1/2	173,920	1/2	188,994	1/2	204,015	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,134	3/4	174,235	3/4	189,308	3/4	204,326	3/4		3/4		3/4		3/4		3/4		3/4	
7	159,449	7	174,549	7	189,622	7	204,638	7		7		7		7		7		7	
1/4	159,763	1/4	174,864	1/4	189,935	1/4	204,949	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,078	1/2	175,178	1/2	190,249	1/2	205,261	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,393	3/4	175,493	3/4	190,563	3/4	205,572	3/4		3/4		3/4		3/4		3/4		3/4	
8	160,707	8	175,808	8	190,876	8	205,884	8		8		8		8		8		8	
1/4	161,022	1/4	176,122	1/4	191,190	1/4	206,195	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,336	1/2	176,437	1/2	191,504	1/2	206,507	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,651	3/4	176,751	3/4	191,817	3/4	206,818	3/4		3/4		3/4		3/4		3/4		3/4	
9	161,966	9	177,066	9	192,131	9	207,130	9		9		9		9		9		9	
1/4	162,280	1/4	177,381	1/4	192,445	1/4	207,441	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	162,595	1/2	177,695	1/2	192,759	1/2	207,753	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	162,909	3/4	178,010	3/4	193,072	3/4	208,064	3/4		3/4		3/4		3/4		3/4		3/4	
10	163,224	10	178,324	10	193,386	10	208,376	10		10		10		10		10		10	
1/4	163,539	1/4	178,639	1/4	193,700	1/4	208,687	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	163,853	1/2	178,953	1/2	194,013	1/2	208,998	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	164,168	3/4	179,268	3/4	194,327	3/4	209,310	3/4		3/4		3/4		3/4		3/4		3/4	
11	164,482	11	179,583	11	194,641	11	209,621	11		11		11		11		11		11	
1/4	164,797	1/4	179,897	1/4	194,954	1/4	209,932	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	165,111	1/2	180,211	1/2	195,268	1/2	210,242	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	165,426	3/4	180,525	3/4	195,582	3/4	210,553	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	629	0	15,204	0	30,230	0	45,242	0	60,262	0	75,289	0	90,317	0	105,344	0	120,358	0	135,365
1/4	850	1/4	15,517	1/4	30,543	1/4	45,555	1/4	60,575	1/4	75,603	1/4	90,630	1/4	105,657	1/4	120,670	1/4	135,678
1/2	1,072	1/2	15,830	1/2	30,856	1/2	45,867	1/2	60,888	1/2	75,916	1/2	90,943	1/2	105,970	1/2	120,983	1/2	135,991
3/4	1,294	3/4	16,143	3/4	31,170	3/4	46,180	3/4	61,201	3/4	76,229	3/4	91,256	3/4	106,283	3/4	121,296	3/4	136,303
1	1,515	1	16,456	1	31,483	1	46,492	1	61,514	1	76,542	1	91,569	1	106,596	1	121,608	1	136,616
1/4	1,808	1/4	16,769	1/4	31,796	1/4	46,805	1/4	61,828	1/4	76,855	1/4	91,882	1/4	106,909	1/4	121,921	1/4	136,929
1/2	2,100	1/2	17,082	1/2	32,109	1/2	47,117	1/2	62,141	1/2	77,168	1/2	92,195	1/2	107,222	1/2	122,234	1/2	137,241
3/4	2,393	3/4	17,395	3/4	32,422	3/4	47,430	3/4	62,454	3/4	77,481	3/4	92,508	3/4	107,536	3/4	122,546	3/4	137,554
2	2,685	2	17,708	2	32,735	2	47,742	2	62,767	2	77,794	2	92,821	2	107,849	2	122,859	2	137,867
1/4	2,998	1/4	18,021	1/4	33,048	1/4	48,055	1/4	63,080	1/4	78,107	1/4	93,134	1/4	108,162	1/4	123,172	1/4	138,179
1/2	3,310	1/2	18,334	1/2	33,361	1/2	48,367	1/2	63,393	1/2	78,420	1/2	93,447	1/2	108,475	1/2	123,484	1/2	138,492
3/4	3,622	3/4	18,647	3/4	33,674	3/4	48,680	3/4	63,706	3/4	78,733	3/4	93,761	3/4	108,788	3/4	123,797	3/4	138,805
3	3,934	3	18,960	3	33,987	3	48,992	3	64,019	3	79,046	3	94,074	3	109,101	3	124,110	3	139,117
1/4	4,247	1/4	19,273	1/4	34,300	1/4	49,305	1/4	64,332	1/4	79,359	1/4	94,387	1/4	109,414	1/4	124,422	1/4	139,430
1/2	4,560	1/2	19,586	1/2	34,613	1/2	49,618	1/2	64,645	1/2	79,672	1/2	94,700	1/2	109,727	1/2	124,735	1/2	139,743
3/4	4,873	3/4	19,899	3/4	34,926	3/4	49,931	3/4	64,958	3/4	79,985	3/4	95,013	3/4	110,039	3/4	125,048	3/4	140,055
4	5,186	4	20,212	4	35,239	4	50,244	4	65,271	4	80,299	4	95,326	4	110,352	4	125,360	4	140,368
1/4	5,499	1/4	20,526	1/4	35,552	1/4	50,557	1/4	65,584	1/4	80,612	1/4	95,639	1/4	110,665	1/4	125,673	1/4	140,681
1/2	5,812	1/2	20,839	1/2	35,865	1/2	50,870	1/2	65,897	1/2	80,925	1/2	95,952	1/2	110,978	1/2	125,986	1/2	140,993
3/4	6,125	3/4	21,152	3/4	36,178	3/4	51,183	3/4	66,210	3/4	81,238	3/4	96,265	3/4	111,290	3/4	126,298	3/4	141,306
5	6,438	5	21,465	5	36,492	5	51,496	5	66,524	5	81,551	5	96,578	5	111,603	5	126,611	5	141,619
1/4	6,751	1/4	21,778	1/4	36,804	1/4	51,809	1/4	66,837	1/4	81,864	1/4	96,891	1/4	111,916	1/4	126,924	1/4	141,931
1/2	7,064	1/2	22,091	1/2	37,117	1/2	52,122	1/2	67,150	1/2	82,177	1/2	97,204	1/2	112,228	1/2	127,236	1/2	142,244
3/4	7,377	3/4	22,404	3/4	37,430	3/4	52,435	3/4	67,463	3/4	82,490	3/4	97,517	3/4	112,541	3/4	127,549	3/4	142,557
6	7,690	6	22,717	6	37,743	6	52,749	6	67,776	6	82,803	6	97,830	6	112,854	6	127,862	6	142,869
1/4	8,003	1/4	23,030	1/4	38,055	1/4	53,062	1/4	68,089	1/4	83,116	1/4	98,143	1/4	113,166	1/4	128,174	1/4	143,182
1/2	8,316	1/2	23,343	1/2	38,368	1/2	53,375	1/2	68,402	1/2	83,429	1/2	98,457	1/2	113,479	1/2	128,487	1/2	143,495
3/4	8,629	3/4	23,656	3/4	38,680	3/4	53,688	3/4	68,715	3/4	83,742	3/4	98,770	3/4	113,792	3/4	128,800	3/4	143,807
7	8,942	7	23,969	7	38,993	7	54,001	7	69,028	7	84,055	7	99,083	7	114,104	7	129,112	7	144,120
1/4	9,255	1/4	24,282	1/4	39,305	1/4	54,314	1/4	69,341	1/4	84,368	1/4	99,396	1/4	114,417	1/4	129,425	1/4	144,431
1/2	9,568	1/2	24,595	1/2	39,618	1/2	54,627	1/2	69,654	1/2	84,682	1/2	99,709	1/2	114,730	1/2	129,738	1/2	144,743
3/4	9,881	3/4	24,908	3/4	39,930	3/4	54,940	3/4	69,967	3/4	84,995	3/4	100,022	3/4	115,042	3/4	130,050	3/4	145,054
8	10,195	8	25,221	8	40,243	8	55,253	8	70,280	8	85,308	8	100,335	8	115,355	8	130,363	8	145,366
1/4	10,508	1/4	25,534	1/4	40,555	1/4	55,566	1/4	70,593	1/4	85,621	1/4	100,648	1/4	115,668	1/4	130,676	1/4	145,677
1/2	10,821	1/2	25,848	1/2	40,868	1/2	55,879	1/2	70,906	1/2	85,934	1/2	100,961	1/2	115,980	1/2	130,988	1/2	145,987
3/4	11,134	3/4	26,161	3/4	41,180	3/4	56,192	3/4	71,220	3/4	86,247	3/4	101,274	3/4	116,293	3/4	131,301	3/4	146,298
9	11,447	9	26,474	9	41,493	9	56,505	9	71,533	9	86,560	9	101,587	9	116,606	9	131,614	9	146,609
1/4	11,760	1/4	26,787	1/4	41,805	1/4	56,818	1/4	71,846	1/4	86,873	1/4	101,900	1/4	116,918	1/4	131,926	1/4	146,920
1/2	12,073	1/2	27,100	1/2	42,118	1/2	57,131	1/2	72,159	1/2	87,186	1/2	102,213	1/2	117,231	1/2	132,239	1/2	147,230
3/4	12,386	3/4	27,413	3/4	42,430	3/4	57,445	3/4	72,472	3/4	87,499	3/4	102,526	3/4	117,544	3/4	132,552	3/4	147,541
10	12,699	10	27,726	10	42,742	10	57,758	10	72,785	10	87,812	10	102,839	10	117,856	10	132,864	10	147,852
1/4	13,012	1/4	28,039	1/4	43,055	1/4	58,071	1/4	73,098	1/4	88,125	1/4	103,153	1/4	118,169	1/4	133,177	1/4	148,163
1/2	13,325	1/2	28,352	1/2	43,367	1/2	58,384	1/2	73,411	1/2	88,438	1/2	103,466	1/2	118,482	1/2	133,490	1/2	148,474
3/4	13,638	3/4	28,665	3/4	43,680	3/4	58,697	3/4	73,724	3/4	88,751	3/4	103,779	3/4	118,794	3/4	133,802	3/4	148,785
11	13,951	11	28,978	11	43,992	11	59,010	11	74,037	11	89,064	11	104,092	11	119,107	11	134,115	11	149,096
1/4	14,264	1/4	29,291	1/4	44,305	1/4	59,323	1/4	74,350	1/4	89,378	1/4	104,405	1/4	119,420	1/4	134,427	1/4	149,407
1/2	14,577	1/2	29,604	1/2	44,617	1/2	59,636	1/2	74,663	1/2	89,691	1/2	104,718	1/2	119,732	1/2	134,740	1/2	149,718
3/4	14,890	3/4	29,917	3/4	44,930	3/4	59,949	3/4	74,976	3/4	90,004	3/4	105,031	3/4	120,045	3/4	135,053	3/4	150,029

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 3 PORT INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 1/2"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	150,340	0	161,819	0	172,191	0	182,536	0	192,819	0		0		0		0		0	
1/4	150,651	1/4	162,035	1/4	172,407	1/4	182,752	1/4	193,018	1/4		1/4		1/4		1/4		1/4	
1/2	150,962	1/2	162,251	1/2	172,622	1/2	182,967	1/2	193,218	1/2		1/2		1/2		1/2		1/2	
3/4	151,273	3/4	162,467	3/4	172,838	3/4	183,183	3/4	193,417	3/4		3/4		3/4		3/4		3/4	
1	151,584	1	162,683	1	173,053	1	183,399	1	193,617	1		1		1		1		1	
1/4	151,851	1/4	162,899	1/4	173,269	1/4	183,614	1/4	193,781	1/4		1/4		1/4		1/4		1/4	
1/2	152,118	1/2	163,115	1/2	173,485	1/2	183,830	1/2	193,944	1/2		1/2		1/2		1/2		1/2	
3/4	152,385	3/4	163,331	3/4	173,700	3/4	184,045	3/4	194,108	3/4		3/4		3/4		3/4		3/4	
2	152,652	2	163,548	2	173,916	2	184,261	2	194,272	2		2		2		2		2	
1/4	152,892	1/4	163,764	1/4	174,131	1/4	184,475	1/4	194,391	1/4		1/4		1/4		1/4		1/4	
1/2	153,132	1/2	163,980	1/2	174,347	1/2	184,690	1/2	194,510	1/2		1/2		1/2		1/2		1/2	
3/4	153,373	3/4	164,196	3/4	174,562	3/4	184,904	3/4	194,629	3/4		3/4		3/4		3/4		3/4	
3	153,613	3	164,412	3	174,778	3	185,119	3	194,748	3		3		3		3		3	
1/4	153,854	1/4	164,628	1/4	174,993	1/4	185,333	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,094	1/2	164,844	1/2	175,209	1/2	185,547	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,334	3/4	165,061	3/4	175,424	3/4	185,761	3/4		3/4		3/4		3/4		3/4		3/4	
4	154,575	4	165,277	4	175,640	4	185,975	4		4		4		4		4		4	
1/4	154,815	1/4	165,493	1/4	175,855	1/4	186,189	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,056	1/2	165,709	1/2	176,071	1/2	186,403	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,296	3/4	165,925	3/4	176,286	3/4	186,617	3/4		3/4		3/4		3/4		3/4		3/4	
5	155,536	5	166,141	5	176,502	5	186,831	5		5		5		5		5		5	
1/4	155,777	1/4	166,357	1/4	176,717	1/4	187,045	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,017	1/2	166,573	1/2	176,933	1/2	187,259	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,258	3/4	166,790	3/4	177,148	3/4	187,473	3/4		3/4		3/4		3/4		3/4		3/4	
6	156,498	6	167,006	6	177,364	6	187,687	6		6		6		6		6		6	
1/4	156,738	1/4	167,222	1/4	177,579	1/4	187,901	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,979	1/2	167,438	1/2	177,795	1/2	188,115	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,219	3/4	167,654	3/4	178,010	3/4	188,329	3/4		3/4		3/4		3/4		3/4		3/4	
7	157,460	7	167,870	7	178,226	7	188,543	7		7		7		7		7		7	
1/4	157,685	1/4	168,086	1/4	178,442	1/4	188,757	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,910	1/2	168,303	1/2	178,657	1/2	188,971	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,135	3/4	168,519	3/4	178,873	3/4	189,185	3/4		3/4		3/4		3/4		3/4		3/4	
8	158,360	8	168,735	8	179,088	8	189,399	8		8		8		8		8		8	
1/4	158,577	1/4	168,951	1/4	179,304	1/4	189,613	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,793	1/2	169,167	1/2	179,519	1/2	189,827	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,009	3/4	169,383	3/4	179,735	3/4	190,041	3/4		3/4		3/4		3/4		3/4		3/4	
9	159,225	9	169,599	9	179,950	9	190,255	9		9		9		9		9		9	
1/4	159,441	1/4	169,815	1/4	180,166	1/4	190,469	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,657	1/2	170,032	1/2	180,381	1/2	190,683	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,873	3/4	170,248	3/4	180,597	3/4	190,897	3/4		3/4		3/4		3/4		3/4		3/4	
10	160,089	10	170,464	10	180,812	10	191,111	10		10		10		10		10		10	
1/4	160,306	1/4	170,680	1/4	181,028	1/4	191,325	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,522	1/2	170,896	1/2	181,243	1/2	191,539	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,738	3/4	171,112	3/4	181,459	3/4	191,753	3/4		3/4		3/4		3/4		3/4		3/4	
11	160,954	11	171,328	11	181,674	11	191,967	11		11		11		11		11		11	
1/4	161,170	1/4	171,544	1/4	181,890	1/4	192,180	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	161,386	1/2	171,760	1/2	182,105	1/2	192,393	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	161,602	3/4	171,976	3/4	182,321	3/4	192,606	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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Pearland, Texas 77588

<http://www.dmacorp.net>



CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

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	628	0	15,166	0	30,142	0	45,106	0	59,699	0	74,533	0	89,375	0	104,351	0	119,303	0	134,255
1/4	849	1/4	15,478	1/4	30,454	1/4	45,417	1/4	60,000	1/4	74,842	1/4	89,687	1/4	104,663	1/4	119,614	1/4	134,566
1/2	1,070	1/2	15,790	1/2	30,766	1/2	45,729	1/2	60,301	1/2	75,151	1/2	89,999	1/2	104,975	1/2	119,925	1/2	134,878
3/4	1,292	3/4	16,102	3/4	31,078	3/4	46,040	3/4	60,601	3/4	75,460	3/4	90,311	3/4	105,287	3/4	120,237	3/4	135,189
1	1,513	1	16,414	1	31,390	1	46,351	1	60,902	1	75,769	1	90,623	1	105,599	1	120,548	1	135,501
1/4	1,805	1/4	16,726	1/4	31,703	1/4	46,663	1/4	61,204	1/4	76,078	1/4	90,935	1/4	105,911	1/4	120,860	1/4	135,812
1/2	2,097	1/2	17,038	1/2	32,015	1/2	46,974	1/2	61,506	1/2	76,388	1/2	91,247	1/2	106,223	1/2	121,171	1/2	136,124
3/4	2,389	3/4	17,350	3/4	32,327	3/4	47,286	3/4	61,808	3/4	76,697	3/4	91,559	3/4	106,535	3/4	121,483	3/4	136,435
2	2,681	2	17,662	2	32,639	2	47,597	2	62,111	2	77,006	2	91,871	2	106,847	2	121,794	2	136,747
1/4	2,993	1/4	17,974	1/4	32,951	1/4	47,909	1/4	62,414	1/4	77,315	1/4	92,183	1/4	107,159	1/4	122,106	1/4	137,058
1/2	3,304	1/2	18,286	1/2	33,263	1/2	48,220	1/2	62,718	1/2	77,624	1/2	92,495	1/2	107,470	1/2	122,417	1/2	137,370
3/4	3,616	3/4	18,598	3/4	33,575	3/4	48,532	3/4	63,022	3/4	77,933	3/4	92,807	3/4	107,782	3/4	122,729	3/4	137,682
3	3,928	3	18,910	3	33,887	3	48,844	3	63,326	3	78,242	3	93,119	3	108,094	3	123,040	3	137,993
1/4	4,240	1/4	19,222	1/4	34,199	1/4	49,150	1/4	63,635	1/4	78,551	1/4	93,431	1/4	108,406	1/4	123,352	1/4	138,305
1/2	4,552	1/2	19,534	1/2	34,511	1/2	49,456	1/2	63,945	1/2	78,860	1/2	93,743	1/2	108,718	1/2	123,663	1/2	138,616
3/4	4,865	3/4	19,846	3/4	34,823	3/4	49,762	3/4	64,254	3/4	79,169	3/4	94,055	3/4	109,030	3/4	123,975	3/4	138,928
4	5,177	4	20,158	4	35,135	4	50,068	4	64,563	4	79,478	4	94,367	4	109,342	4	124,286	4	139,239
1/4	5,490	1/4	20,470	1/4	35,447	1/4	50,370	1/4	64,875	1/4	79,787	1/4	94,679	1/4	109,653	1/4	124,598	1/4	139,551
1/2	5,802	1/2	20,781	1/2	35,759	1/2	50,671	1/2	65,187	1/2	80,096	1/2	94,991	1/2	109,964	1/2	124,909	1/2	139,862
3/4	6,115	3/4	21,093	3/4	36,071	3/4	50,973	3/4	65,498	3/4	80,405	3/4	95,303	3/4	110,276	3/4	125,221	3/4	140,174
5	6,427	5	21,405	5	36,383	5	51,274	5	65,810	5	80,714	5	95,615	5	110,587	5	125,532	5	140,485
1/4	6,739	1/4	21,717	1/4	36,695	1/4	51,575	1/4	66,122	1/4	81,023	1/4	95,927	1/4	110,899	1/4	125,844	1/4	140,797
1/2	7,052	1/2	22,029	1/2	37,007	1/2	51,876	1/2	66,434	1/2	81,333	1/2	96,239	1/2	111,210	1/2	126,156	1/2	141,108
3/4	7,364	3/4	22,341	3/4	37,319	3/4	52,177	3/4	66,745	3/4	81,642	3/4	96,551	3/4	111,521	3/4	126,467	3/4	141,420
6	7,676	6	22,653	6	37,630	6	52,478	6	67,057	6	81,951	6	96,863	6	111,832	6	126,779	6	141,731
1/4	7,989	1/4	22,965	1/4	37,942	1/4	52,779	1/4	67,369	1/4	82,260	1/4	97,175	1/4	112,144	1/4	127,090	1/4	142,043
1/2	8,301	1/2	23,277	1/2	38,253	1/2	53,080	1/2	67,680	1/2	82,569	1/2	97,487	1/2	112,455	1/2	127,402	1/2	142,354
3/4	8,613	3/4	23,589	3/4	38,565	3/4	53,380	3/4	67,992	3/4	82,878	3/4	97,799	3/4	112,766	3/4	127,713	3/4	142,666
7	8,925	7	23,901	7	38,876	7	53,681	7	68,304	7	83,187	7	98,111	7	113,077	7	128,025	7	142,977
1/4	9,237	1/4	24,213	1/4	39,188	1/4	53,982	1/4	68,616	1/4	83,496	1/4	98,423	1/4	113,389	1/4	128,336	1/4	143,288
1/2	9,549	1/2	24,525	1/2	39,499	1/2	54,283	1/2	68,927	1/2	83,805	1/2	98,735	1/2	113,700	1/2	128,648	1/2	143,598
3/4	9,861	3/4	24,838	3/4	39,811	3/4	54,584	3/4	69,239	3/4	84,114	3/4	99,047	3/4	114,011	3/4	128,959	3/4	143,908
8	10,173	8	25,150	8	40,122	8	54,885	8	69,551	8	84,423	8	99,359	8	114,322	8	129,271	8	144,219
1/4	10,485	1/4	25,462	1/4	40,434	1/4	55,186	1/4	69,863	1/4	84,732	1/4	99,671	1/4	114,634	1/4	129,582	1/4	144,528
1/2	10,797	1/2	25,774	1/2	40,745	1/2	55,487	1/2	70,175	1/2	85,041	1/2	99,983	1/2	114,945	1/2	129,894	1/2	144,838
3/4	11,109	3/4	26,086	3/4	41,057	3/4	55,787	3/4	70,486	3/4	85,350	3/4	100,295	3/4	115,256	3/4	130,205	3/4	145,147
9	11,421	9	26,398	9	41,368	9	56,088	9	70,798	9	85,659	9	100,607	9	115,567	9	130,517	9	145,457
1/4	11,733	1/4	26,710	1/4	41,680	1/4	56,389	1/4	71,110	1/4	85,968	1/4	100,919	1/4	115,879	1/4	130,828	1/4	145,767
1/2	12,045	1/2	27,022	1/2	41,991	1/2	56,690	1/2	71,422	1/2	86,278	1/2	101,231	1/2	116,190	1/2	131,140	1/2	146,076
3/4	12,357	3/4	27,334	3/4	42,302	3/4	56,991	3/4	71,734	3/4	86,587	3/4	101,543	3/4	116,501	3/4	131,451	3/4	146,386
10	12,669	10	27,646	10	42,614	10	57,292	10	72,045	10	86,896	10	101,855	10	116,813	10	131,763	10	146,695
1/4	12,981	1/4	27,958	1/4	42,925	1/4	57,593	1/4	72,357	1/4	87,205	1/4	102,167	1/4	117,124	1/4	132,074	1/4	147,005
1/2	13,294	1/2	28,270	1/2	43,237	1/2	57,894	1/2	72,669	1/2	87,514	1/2	102,479	1/2	117,435	1/2	132,386	1/2	147,316
3/4	13,606	3/4	28,582	3/4	43,548	3/4	58,194	3/4	72,981	3/4	87,823	3/4	102,791	3/4	117,746	3/4	132,697	3/4	147,626
11	13,918	11	28,894	11	43,860	11	58,495	11	73,293	11	88,132	11	103,103	11	118,058	11	133,009	11	147,936
1/4	14,230	1/4	29,206	1/4	44,171	1/4	58,796	1/4	73,603	1/4	88,443	1/4	103,415	1/4	118,369	1/4	133,320	1/4	148,246
1/2	14,542	1/2	29,518	1/2	44,483	1/2	59,097	1/2	73,913	1/2	88,754	1/2	103,727	1/2	118,680	1/2	133,632	1/2	148,557
3/4	14,854	3/4	29,830	3/4	44,794	3/4	59,398	3/4	74,223	3/4	89,065	3/4	104,039	3/4	118,991	3/4	133,943	3/4	148,867

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.

CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.

CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.

CAPACITY TABLE ONLY APPLIES TO INNAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.

GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092

Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTC 29149"

## 3 STBD INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	149,177	0	160,636	0	170,991	0	181,319	0	191,584	0		0		0		0		0	
1/4	149,488	1/4	160,852	1/4	171,206	1/4	181,534	1/4	191,783	1/4		1/4		1/4		1/4		1/4	
1/2	149,798	1/2	161,067	1/2	171,421	1/2	181,749	1/2	191,982	1/2		1/2		1/2		1/2		1/2	
3/4	150,109	3/4	161,283	3/4	171,637	3/4	181,964	3/4	192,181	3/4		3/4		3/4		3/4		3/4	
1	150,419	1	161,499	1	171,852	1	182,179	1	192,380	1		1		1		1		1	
1/4	150,685	1/4	161,715	1/4	172,067	1/4	182,394	1/4	192,544	1/4		1/4		1/4		1/4		1/4	
1/2	150,952	1/2	161,931	1/2	172,282	1/2	182,610	1/2	192,707	1/2		1/2		1/2		1/2		1/2	
3/4	151,218	3/4	162,146	3/4	172,497	3/4	182,825	3/4	192,871	3/4		3/4		3/4		3/4		3/4	
2	151,485	2	162,362	2	172,712	2	183,040	2	193,034	2		2		2		2		2	
1/4	151,724	1/4	162,578	1/4	172,928	1/4	183,254	1/4	193,153	1/4		1/4		1/4		1/4		1/4	
1/2	151,964	1/2	162,794	1/2	173,143	1/2	183,468	1/2	193,272	1/2		1/2		1/2		1/2		1/2	
3/4	152,204	3/4	163,009	3/4	173,358	3/4	183,683	3/4	193,391	3/4		3/4		3/4		3/4		3/4	
3	152,444	3	163,225	3	173,573	3	183,897	3	193,510	3		3		3		3		3	
1/4	152,684	1/4	163,441	1/4	173,788	1/4	184,110	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	152,924	1/2	163,657	1/2	174,003	1/2	184,324	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	153,164	3/4	163,872	3/4	174,218	3/4	184,538	3/4		3/4		3/4		3/4		3/4		3/4	
4	153,404	4	164,088	4	174,434	4	184,751	4		4		4		4		4		4	
1/4	153,644	1/4	164,304	1/4	174,649	1/4	184,965	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	153,884	1/2	164,520	1/2	174,864	1/2	185,179	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	154,124	3/4	164,735	3/4	175,079	3/4	185,392	3/4		3/4		3/4		3/4		3/4		3/4	
5	154,364	5	164,951	5	175,294	5	185,606	5		5		5		5		5		5	
1/4	154,604	1/4	165,167	1/4	175,509	1/4	185,820	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	154,844	1/2	165,383	1/2	175,725	1/2	186,033	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	155,084	3/4	165,599	3/4	175,940	3/4	186,247	3/4		3/4		3/4		3/4		3/4		3/4	
6	155,324	6	165,814	6	176,155	6	186,461	6		6		6		6		6		6	
1/4	155,564	1/4	166,030	1/4	176,370	1/4	186,674	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	155,804	1/2	166,246	1/2	176,585	1/2	186,888	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,044	3/4	166,462	3/4	176,800	3/4	187,101	3/4		3/4		3/4		3/4		3/4		3/4	
7	156,284	7	166,677	7	177,016	7	187,315	7		7		7		7		7		7	
1/4	156,509	1/4	166,893	1/4	177,231	1/4	187,529	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	156,734	1/2	167,109	1/2	177,446	1/2	187,742	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	156,959	3/4	167,325	3/4	177,661	3/4	187,956	3/4		3/4		3/4		3/4		3/4		3/4	
8	157,184	8	167,540	8	177,876	8	188,170	8		8		8		8		8		8	
1/4	157,399	1/4	167,756	1/4	178,091	1/4	188,383	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	157,615	1/2	167,972	1/2	178,306	1/2	188,597	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	157,831	3/4	168,188	3/4	178,522	3/4	188,811	3/4		3/4		3/4		3/4		3/4		3/4	
9	158,047	9	168,403	9	178,737	9	189,024	9		9		9		9		9		9	
1/4	158,263	1/4	168,619	1/4	178,952	1/4	189,238	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	158,478	1/2	168,835	1/2	179,167	1/2	189,452	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	158,694	3/4	169,051	3/4	179,382	3/4	189,665	3/4		3/4		3/4		3/4		3/4		3/4	
10	158,910	10	169,267	10	179,597	10	189,879	10		10		10		10		10		10	
1/4	159,126	1/4	169,482	1/4	179,813	1/4	190,092	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	159,341	1/2	169,698	1/2	180,028	1/2	190,306	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	159,557	3/4	169,914	3/4	180,243	3/4	190,519	3/4		3/4		3/4		3/4		3/4		3/4	
11	159,773	11	170,130	11	180,458	11	190,733	11		11		11		11		11		11	
1/4	159,989	1/4	170,345	1/4	180,673	1/4	190,946	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	160,204	1/2	170,560	1/2	180,888	1/2	191,158	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	160,420	3/4	170,776	3/4	181,103	3/4	191,371	3/4		3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023



# BARGE "CTC 29149"

# PORT SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 5'-06"

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	1,159	0	2,316	0	3,474	0	4,627	0		0		0		0		0	
1/4	24	1/4	1,183	1/4	2,340	1/4	3,499	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,207	1/2	2,364	1/2	3,523	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,231	3/4	2,388	3/4	3,547	3/4		3/4		3/4		3/4		3/4		3/4	
1	97	1	1,255	1	2,412	1	3,571	1		1		1		1		1		1	
1/4	121	1/4	1,280	1/4	2,436	1/4	3,595	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	145	1/2	1,304	1/2	2,460	1/2	3,619	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	169	3/4	1,328	3/4	2,485	3/4	3,643	3/4		3/4		3/4		3/4		3/4		3/4	
2	193	2	1,352	2	2,509	2	3,668	2		2		2		2		2		2	
1/4	217	1/4	1,376	1/4	2,533	1/4	3,692	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	241	1/2	1,400	1/2	2,557	1/2	3,716	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	266	3/4	1,424	3/4	2,581	3/4	3,740	3/4		3/4		3/4		3/4		3/4		3/4	
3	290	3	1,449	3	2,605	3	3,764	3		3		3		3		3		3	
1/4	314	1/4	1,473	1/4	2,629	1/4	3,788	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	338	1/2	1,497	1/2	2,654	1/2	3,812	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	362	3/4	1,521	3/4	2,678	3/4	3,837	3/4		3/4		3/4		3/4		3/4		3/4	
4	386	4	1,545	4	2,702	4	3,861	4		4		4		4		4		4	
1/4	410	1/4	1,569	1/4	2,726	1/4	3,885	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	435	1/2	1,593	1/2	2,750	1/2	3,909	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	459	3/4	1,618	3/4	2,774	3/4	3,933	3/4		3/4		3/4		3/4		3/4		3/4	
5	483	5	1,642	5	2,798	5	3,957	5		5		5		5		5		5	
1/4	507	1/4	1,666	1/4	2,823	1/4	3,981	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	531	1/2	1,690	1/2	2,847	1/2	4,006	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	555	3/4	1,714	3/4	2,871	3/4	4,030	3/4		3/4		3/4		3/4		3/4		3/4	
6	579	6	1,738	6	2,895	6	4,054	6		6		6		6		6		6	
1/4	604	1/4	1,762	1/4	2,919	1/4	4,078	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	628	1/2	1,786	1/2	2,943	1/2	4,102	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	652	3/4	1,810	3/4	2,967	3/4	4,126	3/4		3/4		3/4		3/4		3/4		3/4	
7	676	7	1,834	7	2,992	7	4,150	7		7		7		7		7		7	
1/4	700	1/4	1,858	1/4	3,016	1/4	4,174	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	724	1/2	1,882	1/2	3,040	1/2	4,198	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	748	3/4	1,906	3/4	3,064	3/4	4,222	3/4		3/4		3/4		3/4		3/4		3/4	
8	773	8	1,930	8	3,088	8	4,246	8		8		8		8		8		8	
1/4	797	1/4	1,954	1/4	3,112	1/4	4,270	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	821	1/2	1,978	1/2	3,136	1/2	4,293	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	845	3/4	2,002	3/4	3,161	3/4	4,317	3/4		3/4		3/4		3/4		3/4		3/4	
9	869	9	2,026	9	3,185	9	4,341	9		9		9		9		9		9	
1/4	893	1/4	2,050	1/4	3,209	1/4	4,365	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	917	1/2	2,074	1/2	3,233	1/2	4,389	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	942	3/4	2,098	3/4	3,257	3/4	4,413	3/4		3/4		3/4		3/4		3/4		3/4	
10	966	10	2,122	10	3,281	10	4,437	10		10		10		10		10		10	
1/4	990	1/4	2,147	1/4	3,305	1/4	4,460	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,014	1/2	2,171	1/2	3,330	1/2	4,484	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,038	3/4	2,195	3/4	3,354	3/4	4,508	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,062	11	2,219	11	3,378	11	4,532	11		11		11		11		11		11	
1/4	1,086	1/4	2,243	1/4	3,402	1/4	4,556	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,111	1/2	2,267	1/2	3,426	1/2	4,580	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,135	3/4	2,291	3/4	3,450	3/4	4,603	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

# STBD SLOP TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 5'-06"

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	1,153	0	2,305	0	3,458	0	4,605	0		0		0		0		0	
1/4	24	1/4	1,177	1/4	2,329	1/4	3,482	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	48	1/2	1,201	1/2	2,353	1/2	3,506	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	72	3/4	1,225	3/4	2,377	3/4	3,530	3/4		3/4		3/4		3/4		3/4		3/4	
1	96	1	1,249	1	2,401	1	3,554	1		1		1		1		1		1	
1/4	120	1/4	1,273	1/4	2,425	1/4	3,578	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	144	1/2	1,297	1/2	2,449	1/2	3,602	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	168	3/4	1,321	3/4	2,473	3/4	3,626	3/4		3/4		3/4		3/4		3/4		3/4	
2	192	2	1,346	2	2,497	2	3,650	2		2		2		2		2		2	
1/4	216	1/4	1,370	1/4	2,521	1/4	3,674	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	240	1/2	1,394	1/2	2,545	1/2	3,698	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	264	3/4	1,418	3/4	2,569	3/4	3,722	3/4		3/4		3/4		3/4		3/4		3/4	
3	288	3	1,442	3	2,593	3	3,746	3		3		3		3		3		3	
1/4	312	1/4	1,466	1/4	2,617	1/4	3,770	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	336	1/2	1,490	1/2	2,641	1/2	3,794	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	360	3/4	1,514	3/4	2,665	3/4	3,818	3/4		3/4		3/4		3/4		3/4		3/4	
4	384	4	1,538	4	2,689	4	3,842	4		4		4		4		4		4	
1/4	408	1/4	1,562	1/4	2,713	1/4	3,866	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	432	1/2	1,586	1/2	2,737	1/2	3,890	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	457	3/4	1,610	3/4	2,761	3/4	3,914	3/4		3/4		3/4		3/4		3/4		3/4	
5	481	5	1,634	5	2,785	5	3,938	5		5		5		5		5		5	
1/4	505	1/4	1,658	1/4	2,809	1/4	3,962	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	529	1/2	1,682	1/2	2,833	1/2	3,986	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	553	3/4	1,706	3/4	2,857	3/4	4,010	3/4		3/4		3/4		3/4		3/4		3/4	
6	577	6	1,730	6	2,881	6	4,035	6		6		6		6		6		6	
1/4	601	1/4	1,754	1/4	2,905	1/4	4,059	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	625	1/2	1,778	1/2	2,929	1/2	4,083	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	649	3/4	1,802	3/4	2,953	3/4	4,107	3/4		3/4		3/4		3/4		3/4		3/4	
7	673	7	1,825	7	2,977	7	4,131	7		7		7		7		7		7	
1/4	697	1/4	1,849	1/4	3,001	1/4	4,154	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	721	1/2	1,873	1/2	3,025	1/2	4,178	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	745	3/4	1,897	3/4	3,049	3/4	4,202	3/4		3/4		3/4		3/4		3/4		3/4	
8	769	8	1,921	8	3,073	8	4,226	8		8		8		8		8		8	
1/4	793	1/4	1,945	1/4	3,097	1/4	4,249	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	817	1/2	1,969	1/2	3,121	1/2	4,273	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	841	3/4	1,992	3/4	3,146	3/4	4,297	3/4		3/4		3/4		3/4		3/4		3/4	
9	865	9	2,016	9	3,170	9	4,320	9		9		9		9		9		9	
1/4	889	1/4	2,040	1/4	3,194	1/4	4,344	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	913	1/2	2,064	1/2	3,218	1/2	4,368	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	937	3/4	2,088	3/4	3,242	3/4	4,392	3/4		3/4		3/4		3/4		3/4		3/4	
10	961	10	2,112	10	3,266	10	4,415	10		10		10		10		10		10	
1/4	985	1/4	2,136	1/4	3,290	1/4	4,439	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,009	1/2	2,160	1/2	3,314	1/2	4,463	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,033	3/4	2,184	3/4	3,338	3/4	4,487	3/4		3/4		3/4		3/4		3/4		3/4	
11	1,057	11	2,208	11	3,362	11	4,510	11		11		11		11		11		11	
1/4	1,081	1/4	2,232	1/4	3,386	1/4	4,534	1/4		1/4		1/4		1/4		1/4		1/4	
1/2	1,105	1/2	2,257	1/2	3,410	1/2	4,558	1/2		1/2		1/2		1/2		1/2		1/2	
3/4	1,129	3/4	2,281	3/4	3,434	3/4	4,581	3/4		3/4		3/4		3/4		3/4		3/4	

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

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CTC 29149"

# FUEL TANK INNAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 4' 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	0	101	0	259	0	416	0	517	0		0	6 FT.	0	7 FT.	0	8 FT.	0	9 FT.
1/4	1	1/4	104	1/4	262	1/4	419	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	1	1/2	107	1/2	265	1/2	422	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	2	3/4	110	3/4	269	3/4	425	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
1	3	1	113	1	272	1	428	1	1	1	1	1	6 FT.	1	7 FT.	1	8 FT.	1	9 FT.
1/4	4	1/4	116	1/4	276	1/4	430	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	5	1/2	119	1/2	279	1/2	433	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	6	3/4	122	3/4	282	3/4	436	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
2	7	2	125	2	286	2	439	2	2	2	2	2	6 FT.	2	7 FT.	2	8 FT.	2	9 FT.
1/4	9	1/4	129	1/4	289	1/4	442	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	10	1/2	132	1/2	293	1/2	444	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	12	3/4	135	3/4	296	3/4	447	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
3	13	3	138	3	300	3	450	3	3	3	3	3	6 FT.	3	7 FT.	3	8 FT.	3	9 FT.
1/4	15	1/4	141	1/4	303	1/4	453	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	17	1/2	144	1/2	306	1/2	455	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	19	3/4	148	3/4	310	3/4	458	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
4	21	4	151	4	313	4	460	4	4	4	4	4	6 FT.	4	7 FT.	4	8 FT.	4	9 FT.
1/4	23	1/4	154	1/4	316	1/4	463	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	25	1/2	157	1/2	320	1/2	465	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	27	3/4	161	3/4	323	3/4	468	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
5	29	5	164	5	327	5	470	5	5	5	5	5	6 FT.	5	7 FT.	5	8 FT.	5	9 FT.
1/4	31	1/4	167	1/4	330	1/4	473	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	33	1/2	170	1/2	333	1/2	475	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	35	3/4	174	3/4	337	3/4	477	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
6	37	6	177	6	340	6	480	6	6	6	6	6	6 FT.	6	7 FT.	6	8 FT.	6	9 FT.
1/4	40	1/4	180	1/4	343	1/4	482	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	42	1/2	184	1/2	347	1/2	484	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	44	3/4	187	3/4	350	3/4	486	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
7	47	7	190	7	353	7	488	7	7	7	7	7	6 FT.	7	7 FT.	7	8 FT.	7	9 FT.
1/4	49	1/4	194	1/4	356	1/4	490	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	52	1/2	197	1/2	360	1/2	492	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	54	3/4	201	3/4	363	3/4	494	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
8	57	8	204	8	366	8	496	8	8	8	8	8	6 FT.	8	7 FT.	8	8 FT.	8	9 FT.
1/4	59	1/4	207	1/4	369	1/4	498	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	62	1/2	211	1/2	373	1/2	500	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	64	3/4	214	3/4	376	3/4	502	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
9	67	9	217	9	379	9	504	9	9	9	9	9	6 FT.	9	7 FT.	9	8 FT.	9	9 FT.
1/4	70	1/4	221	1/4	382	1/4	505	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	73	1/2	224	1/2	385	1/2	507	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	75	3/4	228	3/4	388	3/4	508	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
10	78	10	231	10	392	10	510	10	10	10	10	10	6 FT.	10	7 FT.	10	8 FT.	10	9 FT.
1/4	81	1/4	235	1/4	395	1/4	511	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	84	1/2	238	1/2	398	1/2	512	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	87	3/4	241	3/4	401	3/4	513	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.
11	89	11	245	11	404	11	514	11	11	11	11	11	6 FT.	11	7 FT.	11	8 FT.	11	9 FT.
1/4	92	1/4	248	1/4	407	1/4	515	1/4		1/4		1/4	6 FT.	1/4	7 FT.	1/4	8 FT.	1/4	9 FT.
1/2	95	1/2	252	1/2	410	1/2	516	1/2		1/2		1/2	6 FT.	1/2	7 FT.	1/2	8 FT.	1/2	9 FT.
3/4	98	3/4	255	3/4	413	3/4	516	3/4		3/4		3/4	6 FT.	3/4	7 FT.	3/4	8 FT.	3/4	9 FT.

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

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CTC 29149"

## ULLAGE TRIM TABLE

FORMERLY "NGL 3024"

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

(ALL MEASUREMENTS ABOVE ARE IN INCHES)

EXAMPLE FOR ABOVE TRIM CORRECTIONS:

FWD. DRAFT = 1'-00"  
 AFT DRAFT = 4'-00"  
 DIFF. = 3'-00" (DOWN BY STERN)

THE CORRECTION FOR 3'-00" TRIM DOWN BY STERN FOR 2 PORT IS - 00-1/8"  
 FOR A MEASURED ULLAGE GAUGE OF 4'-00" ON 2 PORT, THE TRIM CORRECTED ULLAGE IS 4'-00 1/8"

LENGTH BETWEEN DRAFT MARKS: 238'-06"

March 22, 2023

PRECISION MEASUREMENT  
 & ANALYSIS, INC.

P.O. Box 2092  
 Pearland, Texas 77588

<http://www.pmacorp.net>



# BARGE "CTC 29149"

# 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	204,480	0	189,547	0	174,547	0	159,511	0	144,474	0	129,438	0	114,401	0	99,361
1/4		1/4		1/4	204,170	1/4	189,235	1/4	174,234	1/4	159,197	1/4	144,161	1/4	129,125	1/4	114,088	1/4	99,047
1/2		1/2		1/2	203,859	1/2	188,923	1/2	173,921	1/2	158,884	1/2	143,848	1/2	128,811	1/2	113,775	1/2	98,734
3/4		3/4		3/4	203,549	3/4	188,610	3/4	173,607	3/4	158,571	3/4	143,534	3/4	128,498	3/4	113,462	3/4	98,420
1		1		1	203,239	1	188,298	1	173,294	1	158,258	1	143,221	1	128,185	1	113,148	1	98,107
1/4		1/4		1/4	202,929	1/4	187,986	1/4	172,981	1/4	157,944	1/4	142,908	1/4	127,872	1/4	112,835	1/4	97,794
1/2		1/2		1/2	202,619	1/2	187,673	1/2	172,668	1/2	157,631	1/2	142,595	1/2	127,558	1/2	112,522	1/2	97,480
3/4		3/4		3/4	202,309	3/4	187,361	3/4	172,354	3/4	157,318	3/4	142,281	3/4	127,245	3/4	112,209	3/4	97,167
2		2		2	201,998	2	187,049	2	172,041	2	157,005	2	141,968	2	126,932	2	111,895	2	96,853
1/4		1/4		1/4	201,688	1/4	186,736	1/4	171,728	1/4	156,691	1/4	141,655	1/4	126,619	1/4	111,582	1/4	96,540
1/2		1/2		1/2	201,378	1/2	186,424	1/2	171,414	1/2	156,378	1/2	141,342	1/2	126,305	1/2	111,269	1/2	96,227
3/4		3/4		3/4	201,068	3/4	186,112	3/4	171,101	3/4	156,065	3/4	141,028	3/4	125,992	3/4	110,956	3/4	95,913
3		3		3	200,758	3	185,799	3	170,788	3	155,752	3	140,715	3	125,679	3	110,642	3	95,600
1/4		1/4		1/4	200,448	1/4	185,487	1/4	170,475	1/4	155,438	1/4	140,402	1/4	125,365	1/4	110,329	1/4	95,286
1/2		1/2		1/2	200,138	1/2	185,175	1/2	170,161	1/2	155,125	1/2	140,089	1/2	125,052	1/2	110,016	1/2	94,973
3/4		3/4		3/4	199,827	3/4	184,862	3/4	169,848	3/4	154,812	3/4	139,775	3/4	124,739	3/4	109,703	3/4	94,660
4		4		4	199,517	4	184,550	4	169,535	4	154,499	4	139,462	4	124,426	4	109,389	4	94,346
1/4		1/4		1/4	199,207	1/4	184,238	1/4	169,222	1/4	154,185	1/4	139,149	1/4	124,112	1/4	109,076	1/4	94,033
1/2		1/2		1/2	198,897	1/2	183,925	1/2	168,908	1/2	153,872	1/2	138,836	1/2	123,799	1/2	108,763	1/2	93,719
3/4		3/4		3/4	198,587	3/4	183,613	3/4	168,595	3/4	153,559	3/4	138,522	3/4	123,486	3/4	108,449	3/4	93,406
5		5		5	198,277	5	183,300	5	168,282	5	153,245	5	138,209	5	123,173	5	108,136	5	93,092
1/4		1/4		1/4	197,966	1/4	182,988	1/4	167,969	1/4	152,932	1/4	137,896	1/4	122,859	1/4	107,823	1/4	92,779
1/2		1/2		1/2	197,656	1/2	182,676	1/2	167,655	1/2	152,619	1/2	137,583	1/2	122,546	1/2	107,509	1/2	92,466
3/4		3/4		3/4	197,346	3/4	182,363	3/4	167,342	3/4	152,306	3/4	137,269	3/4	122,233	3/4	107,196	3/4	92,152
6		6		6	197,036	6	182,051	6	167,029	6	151,992	6	136,956	6	121,920	6	106,883	6	91,839
1/4		1/4	210,971	1/4	196,726	1/4	181,739	1/4	166,716	1/4	151,679	1/4	136,643	1/4	121,606	1/4	106,569	1/4	91,525
1/2		1/2	210,755	1/2	196,415	1/2	181,426	1/2	166,402	1/2	151,366	1/2	136,330	1/2	121,293	1/2	106,256	1/2	91,212
3/4		3/4	210,540	3/4	196,104	3/4	181,114	3/4	166,089	3/4	151,053	3/4	136,016	3/4	120,980	3/4	105,942	3/4	90,899
7		7	210,325	7	195,793	7	180,802	7	165,776	7	150,739	7	135,703	7	120,667	7	105,629	7	90,585
1/4		1/4	210,110	1/4	195,482	1/4	180,489	1/4	165,463	1/4	150,426	1/4	135,390	1/4	120,353	1/4	105,315	1/4	90,272
1/2		1/2	209,850	1/2	195,170	1/2	180,177	1/2	165,149	1/2	150,113	1/2	135,076	1/2	120,040	1/2	105,002	1/2	89,958
3/4		3/4	209,590	3/4	194,857	3/4	179,865	3/4	164,836	3/4	149,800	3/4	134,763	3/4	119,727	3/4	104,689	3/4	89,645
8		8	209,330	8	194,545	8	179,552	8	164,523	8	149,486	8	134,450	8	119,414	8	104,375	8	89,332
1/4		1/4	209,070	1/4	194,233	1/4	179,240	1/4	164,210	1/4	149,173	1/4	134,137	1/4	119,100	1/4	104,062	1/4	89,018
1/2		1/2	208,775	1/2	193,920	1/2	178,928	1/2	163,896	1/2	148,860	1/2	133,823	1/2	118,787	1/2	103,748	1/2	88,705
3/4		3/4	208,479	3/4	193,608	3/4	178,615	3/4	163,583	3/4	148,547	3/4	133,510	3/4	118,474	3/4	103,435	3/4	88,391
9		9	208,183	9	193,296	9	178,303	9	163,270	9	148,233	9	133,197	9	118,161	9	103,122	9	88,078
1/4		1/4	207,887	1/4	192,983	1/4	177,991	1/4	162,957	1/4	147,920	1/4	132,884	1/4	117,847	1/4	102,808	1/4	87,764
1/2		1/2	207,578	1/2	192,671	1/2	177,678	1/2	162,643	1/2	147,607	1/2	132,570	1/2	117,534	1/2	102,495	1/2	87,451
3/4		3/4	207,269	3/4	192,358	3/4	177,365	3/4	162,330	3/4	147,294	3/4	132,257	3/4	117,221	3/4	102,181	3/4	87,138
10		10	206,960	10	192,046	10	177,053	10	162,017	10	146,980	10	131,944	10	116,908	10	101,868	10	86,824
1/4		1/4	206,651	1/4	191,734	1/4	176,740	1/4	161,703	1/4	146,667	1/4	131,631	1/4	116,594	1/4	101,555	1/4	86,511
1/2		1/2	206,340	1/2	191,421	1/2	176,427	1/2	161,390	1/2	146,354	1/2	131,317	1/2	116,281	1/2	101,241	1/2	86,197
3/4		3/4	206,030	3/4	191,109	3/4	176,113	3/4	161,077	3/4	146,041	3/4	131,004	3/4	115,968	3/4	100,928	3/4	85,884
11		11	205,720	11	190,797	11	175,800	11	160,764	11	145,727	11	130,691	11	115,654	11	100,614	11	85,571
1/4		1/4	205,410	1/4	190,484	1/4	175,487	1/4	160,450	1/4	145,414	1/4	130,378	1/4	115,341	1/4	100,301	1/4	85,257
1/2		1/2	205,100	1/2	190,172	1/2	175,174	1/2	160,137	1/2	145,101	1/2	130,064	1/2	115,028	1/2	99,987	1/2	84,944
3/4		3/4	204,790	3/4	189,860	3/4	174,860	3/4	159,824	3/4	144,788	3/4	129,751	3/4	114,715	3/4	99,674	3/4	84,630

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 1 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	84,317	0	69,288	0	54,251	0	39,208	0	24,165	0	9,807	0		0		0		0	
1/4	84,004	1/4	68,975	1/4	53,938	1/4	38,895	1/4	23,851	1/4	9,528	1/4		1/4		1/4		1/4	
1/2	83,690	1/2	68,662	1/2	53,624	1/2	38,581	1/2	23,538	1/2	9,253	1/2		1/2		1/2		1/2	
3/4	83,377	3/4	68,349	3/4	53,311	3/4	38,268	3/4	23,224	3/4	8,977	3/4		3/4		3/4		3/4	
1	83,063	1	68,036	1	52,998	1	37,954	1	22,911	1	8,702	1		1		1		1	
1/4	82,750	1/4	67,724	1/4	52,684	1/4	37,641	1/4	22,598	1/4	8,427	1/4		1/4		1/4		1/4	
1/2	82,436	1/2	67,411	1/2	52,371	1/2	37,327	1/2	22,285	1/2	8,155	1/2		1/2		1/2		1/2	
3/4	82,123	3/4	67,098	3/4	52,057	3/4	37,014	3/4	21,971	3/4	7,884	3/4		3/4		3/4		3/4	
2	81,810	2	66,785	2	51,744	2	36,701	2	21,658	2	7,612	2		2		2		2	
1/4	81,496	1/4	66,472	1/4	51,431	1/4	36,387	1/4	21,345	1/4	7,340	1/4		1/4		1/4		1/4	
1/2	81,183	1/2	66,159	1/2	51,117	1/2	36,074	1/2	21,034	1/2	7,072	1/2		1/2		1/2		1/2	
3/4	80,869	3/4	65,846	3/4	50,804	3/4	35,760	3/4	20,722	3/4	6,804	3/4		3/4		3/4		3/4	
3	80,556	3	65,533	3	50,490	3	35,447	3	20,411	3	6,537	3		3		3		3	
1/4	80,243	1/4	65,220	1/4	50,177	1/4	35,134	1/4	20,100	1/4	6,269	1/4		1/4		1/4		1/4	
1/2	79,929	1/2	64,907	1/2	49,864	1/2	34,820	1/2	19,791	1/2	6,004	1/2		1/2		1/2		1/2	
3/4	79,616	3/4	64,593	3/4	49,550	3/4	34,507	3/4	19,483	3/4	5,740	3/4		3/4		3/4		3/4	
4	79,302	4	64,280	4	49,237	4	34,193	4	19,175	4	5,476	4		4		4		4	
1/4	78,989	1/4	63,967	1/4	48,923	1/4	33,880	1/4	18,866	1/4	5,211	1/4		1/4		1/4		1/4	
1/2	78,676	1/2	63,653	1/2	48,610	1/2	33,567	1/2	18,561	1/2	4,951	1/2		1/2		1/2		1/2	
3/4	78,362	3/4	63,340	3/4	48,297	3/4	33,253	3/4	18,257	3/4	4,690	3/4		3/4		3/4		3/4	
5	78,049	5	63,026	5	47,983	5	32,940	5	17,952	5	4,430	5		5		5		5	
1/4	77,736	1/4	62,713	1/4	47,670	1/4	32,626	1/4	17,647	1/4	4,169	1/4		1/4		1/4		1/4	
1/2	77,422	1/2	62,400	1/2	47,356	1/2	32,313	1/2	17,346	1/2	3,912	1/2		1/2		1/2		1/2	
3/4	77,109	3/4	62,086	3/4	47,043	3/4	32,000	3/4	17,045	3/4	3,656	3/4		3/4		3/4		3/4	
6	76,796	6	61,773	6	46,730	6	31,686	6	16,744	6	3,399	6		6		6		6	
1/4	76,483	1/4	61,459	1/4	46,416	1/4	31,373	1/4	16,443	1/4	3,142	1/4		1/4		1/4		1/4	
1/2	76,170	1/2	61,146	1/2	46,103	1/2	31,059	1/2	16,146	1/2	2,890	1/2		1/2		1/2		1/2	
3/4	75,857	3/4	60,833	3/4	45,789	3/4	30,746	3/4	15,849	3/4	2,638	3/4		3/4		3/4		3/4	
7	75,544	7	60,519	7	45,476	7	30,433	7	15,551	7	2,385	7		7		7		7	
1/4	75,231	1/4	60,206	1/4	45,163	1/4	30,119	1/4	15,254	1/4	2,133	1/4		1/4		1/4		1/4	
1/2	74,919	1/2	59,892	1/2	44,849	1/2	29,806	1/2	14,960	1/2	1,904	1/2		1/2		1/2		1/2	
3/4	74,606	3/4	59,579	3/4	44,536	3/4	29,492	3/4	14,667	3/4	1,675	3/4		3/4		3/4		3/4	
8	74,293	8	59,266	8	44,222	8	29,179	8	14,373	8	1,446	8		8		8		8	
1/4	73,980	1/4	58,952	1/4	43,909	1/4	28,866	1/4	14,079	1/4	1,217	1/4		1/4		1/4		1/4	
1/2	73,667	1/2	58,639	1/2	43,596	1/2	28,552	1/2	13,790	1/2	1,049	1/2		1/2		1/2		1/2	
3/4	73,354	3/4	58,325	3/4	43,282	3/4	28,239	3/4	13,500	3/4	881	3/4		3/4		3/4		3/4	
9	73,042	9	58,012	9	42,969	9	27,925	9	13,210	9	713	9		9		9		9	
1/4	72,729	1/4	57,699	1/4	42,655	1/4	27,612	1/4	12,920	1/4	545	1/4		1/4		1/4		1/4	
1/2	72,416	1/2	57,385	1/2	42,342	1/2	27,299	1/2	12,633	1/2		1/2		1/2		1/2		1/2	
3/4	72,103	3/4	57,072	3/4	42,029	3/4	26,985	3/4	12,347	3/4		3/4		3/4		3/4		3/4	
10	71,790	10	56,758	10	41,715	10	26,672	10	12,061	10		10		10		10		10	
1/4	71,477	1/4	56,445	1/4	41,402	1/4	26,358	1/4	11,774	1/4		1/4		1/4		1/4		1/4	
1/2	71,165	1/2	56,132	1/2	41,088	1/2	26,045	1/2	11,492	1/2		1/2		1/2		1/2		1/2	
3/4	70,852	3/4	55,818	3/4	40,775	3/4	25,732	3/4	11,209	3/4		3/4		3/4		3/4		3/4	
11	70,539	11	55,505	11	40,462	11	25,418	11	10,926	11		11		11		11		11	
1/4	70,226	1/4	55,191	1/4	40,148	1/4	25,105	1/4	10,644	1/4		1/4		1/4		1/4		1/4	
1/2	69,913	1/2	54,878	1/2	39,835	1/2	24,791	1/2	10,365	1/2		1/2		1/2		1/2		1/2	
3/4	69,600	3/4	54,565	3/4	39,521	3/4	24,478	3/4	10,086	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023





# BARGE "CTC 29149"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 1/4"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	203,962	0	189,061	0	174,093	0	159,089	0	144,085	0	129,080	0	114,076	0	99,068
1/4	1/4	1/4	1/4	1/4	203,652	1/4	188,750	1/4	173,781	1/4	158,776	1/4	143,772	1/4	128,768	1/4	113,764	1/4	98,755
1/2	1/2	1/2	1/2	1/2	203,343	1/2	188,438	1/2	173,468	1/2	158,464	1/2	143,459	1/2	128,455	1/2	113,451	1/2	98,442
3/4	3/4	3/4	3/4	3/4	203,033	3/4	188,126	3/4	173,155	3/4	158,151	3/4	143,147	3/4	128,143	3/4	113,138	3/4	98,129
1	1	1	1	1	202,724	1	187,815	1	172,843	1	157,839	1	142,834	1	127,830	1	112,826	1	97,817
1/4	1/4	1/4	1/4	1/4	202,414	1/4	187,503	1/4	172,530	1/4	157,526	1/4	142,522	1/4	127,517	1/4	112,513	1/4	97,504
1/2	1/2	1/2	1/2	1/2	202,105	1/2	187,191	1/2	172,218	1/2	157,213	1/2	142,209	1/2	127,205	1/2	112,201	1/2	97,191
3/4	3/4	3/4	3/4	3/4	201,795	3/4	186,880	3/4	171,905	3/4	156,901	3/4	141,897	3/4	126,892	3/4	111,888	3/4	96,878
2	2	2	2	2	201,486	2	186,568	2	171,592	2	156,588	2	141,584	2	126,580	2	111,575	2	96,566
1/4	1/4	1/4	1/4	1/4	201,176	1/4	186,256	1/4	171,280	1/4	156,276	1/4	141,271	1/4	126,267	1/4	111,263	1/4	96,253
1/2	1/2	1/2	1/2	1/2	200,867	1/2	185,945	1/2	170,967	1/2	155,963	1/2	140,959	1/2	125,955	1/2	110,950	1/2	95,940
3/4	3/4	3/4	3/4	3/4	200,557	3/4	185,633	3/4	170,655	3/4	155,650	3/4	140,646	3/4	125,642	3/4	110,638	3/4	95,627
3	3	3	3	3	200,248	3	185,321	3	170,342	3	155,338	3	140,334	3	125,329	3	110,325	3	95,315
1/4	1/4	1/4	1/4	1/4	199,938	1/4	185,010	1/4	170,029	1/4	155,025	1/4	140,021	1/4	125,017	1/4	110,013	1/4	95,002
1/2	1/2	1/2	1/2	1/2	199,629	1/2	184,698	1/2	169,717	1/2	154,713	1/2	139,708	1/2	124,704	1/2	109,700	1/2	94,689
3/4	3/4	3/4	3/4	3/4	199,319	3/4	184,386	3/4	169,404	3/4	154,400	3/4	139,396	3/4	124,392	3/4	109,387	3/4	94,377
4	4	4	4	4	199,010	4	184,074	4	169,092	4	154,087	4	139,083	4	124,079	4	109,075	4	94,064
1/4	1/4	1/4	1/4	1/4	198,700	1/4	183,763	1/4	168,779	1/4	153,775	1/4	138,771	1/4	123,766	1/4	108,762	1/4	93,751
1/2	1/2	1/2	1/2	1/2	198,391	1/2	183,451	1/2	168,467	1/2	153,462	1/2	138,458	1/2	123,454	1/2	108,450	1/2	93,438
3/4	3/4	3/4	3/4	3/4	198,081	3/4	183,139	3/4	168,154	3/4	153,150	3/4	138,145	3/4	123,141	3/4	108,137	3/4	93,126
5	5	5	5	5	197,772	5	182,828	5	167,841	5	152,837	5	137,833	5	122,829	5	107,824	5	92,813
1/4	1/4	1/4	1/4	1/4	197,462	1/4	182,516	1/4	167,529	1/4	152,525	1/4	137,520	1/4	122,516	1/4	107,512	1/4	92,500
1/2	1/2	1/2	1/2	1/2	197,153	1/2	182,204	1/2	167,216	1/2	152,212	1/2	137,208	1/2	122,203	1/2	107,199	1/2	92,187
3/4	3/4	3/4	3/4	3/4	196,843	3/4	181,893	3/4	166,904	3/4	151,899	3/4	136,895	3/4	121,891	3/4	106,886	3/4	91,875
6	6	6	6	6	196,534	6	181,581	6	166,591	6	151,587	6	136,583	6	121,578	6	106,573	6	91,562
1/4	1/4	210,439	1/4	196,224	1/4	181,269	1/4	166,278	1/4	151,274	1/4	136,270	1/4	121,266	1/4	106,261	1/4	91,249	
1/2	1/2	210,224	1/2	195,914	1/2	180,958	1/2	165,966	1/2	150,962	1/2	135,957	1/2	120,953	1/2	105,948	1/2	90,936	
3/4	3/4	210,009	3/4	195,604	3/4	180,646	3/4	165,653	3/4	150,649	3/4	135,645	3/4	120,641	3/4	105,635	3/4	90,624	
7	7	209,795	7	195,293	7	180,334	7	165,341	7	150,336	7	135,332	7	120,328	7	105,322	7	90,311	
1/4	1/4	209,580	1/4	194,983	1/4	180,023	1/4	165,028	1/4	150,024	1/4	135,020	1/4	120,015	1/4	105,010	1/4	89,998	
1/2	1/2	209,320	1/2	194,671	1/2	179,711	1/2	164,715	1/2	149,711	1/2	134,707	1/2	119,703	1/2	104,697	1/2	89,685	
3/4	3/4	209,061	3/4	194,360	3/4	179,399	3/4	164,403	3/4	149,399	3/4	134,394	3/4	119,390	3/4	104,384	3/4	89,373	
8	8	208,802	8	194,048	8	179,088	8	164,090	8	149,086	8	134,082	8	119,078	8	104,071	8	89,060	
1/4	1/4	208,542	1/4	193,736	1/4	178,776	1/4	163,778	1/4	148,773	1/4	133,769	1/4	118,765	1/4	103,759	1/4	88,747	
1/2	1/2	208,247	1/2	193,425	1/2	178,464	1/2	163,465	1/2	148,461	1/2	133,457	1/2	118,452	1/2	103,446	1/2	88,434	
3/4	3/4	207,952	3/4	193,113	3/4	178,153	3/4	163,153	3/4	148,148	3/4	133,144	3/4	118,140	3/4	103,133	3/4	88,122	
9	9	207,657	9	192,801	9	177,841	9	162,840	9	147,836	9	132,831	9	117,827	9	102,821	9	87,809	
1/4	1/4	207,362	1/4	192,490	1/4	177,529	1/4	162,527	1/4	147,523	1/4	132,519	1/4	117,515	1/4	102,508	1/4	87,496	
1/2	1/2	207,054	1/2	192,178	1/2	177,217	1/2	162,215	1/2	147,211	1/2	132,206	1/2	117,202	1/2	102,195	1/2	87,183	
3/4	3/4	206,745	3/4	191,866	3/4	176,905	3/4	161,902	3/4	146,898	3/4	131,894	3/4	116,889	3/4	101,882	3/4	86,871	
10	10	206,436	10	191,555	10	176,593	10	161,590	10	146,585	10	131,581	10	116,577	10	101,570	10	86,558	
1/4	1/4	206,128	1/4	191,243	1/4	176,281	1/4	161,277	1/4	146,273	1/4	131,269	1/4	116,264	1/4	101,257	1/4	86,245	
1/2	1/2	205,818	1/2	190,931	1/2	175,969	1/2	160,964	1/2	145,960	1/2	130,956	1/2	115,952	1/2	100,944	1/2	85,933	
3/4	3/4	205,509	3/4	190,620	3/4	175,656	3/4	160,652	3/4	145,648	3/4	130,643	3/4	115,639	3/4	100,631	3/4	85,620	
11	11	205,200	11	190,308	11	175,343	11	160,339	11	145,335	11	130,331	11	115,327	11	100,319	11	85,307	
1/4	1/4	204,890	1/4	189,996	1/4	175,031	1/4	160,027	1/4	145,022	1/4	130,018	1/4	115,014	1/4	100,006	1/4	84,994	
1/2	1/2	204,581	1/2	189,685	1/2	174,718	1/2	159,714	1/2	144,710	1/2	129,706	1/2	114,701	1/2	99,693	1/2	84,682	
3/4	3/4	204,271	3/4	189,373	3/4	174,406	3/4	159,401	3/4	144,397	3/4	129,393	3/4	114,389	3/4	99,380	3/4	84,369	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-03" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 1 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	84,056	0	69,108	0	54,134	0	39,123	0	24,112	0	9,785	0		0		0		0	
1/4	83,743	1/4	68,798	1/4	53,821	1/4	38,810	1/4	23,799	1/4	9,507	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,431	1/2	68,487	1/2	53,509	1/2	38,498	1/2	23,486	1/2	9,232	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,118	3/4	68,177	3/4	53,196	3/4	38,185	3/4	23,174	3/4	8,957	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	82,805	1	67,867	1	52,883	1	37,872	1	22,861	1	8,682	1	1	1	1	1	1	1	1
1/4	82,492	1/4	67,556	1/4	52,570	1/4	37,559	1/4	22,548	1/4	8,408	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,180	1/2	67,246	1/2	52,258	1/2	37,247	1/2	22,236	1/2	8,137	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,867	3/4	66,935	3/4	51,945	3/4	36,934	3/4	21,923	3/4	7,866	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	81,554	2	66,625	2	51,632	2	36,621	2	21,611	2	7,595	2	2	2	2	2	2	2	2
1/4	81,241	1/4	66,315	1/4	51,320	1/4	36,308	1/4	21,299	1/4	7,324	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,929	1/2	66,004	1/2	51,007	1/2	35,996	1/2	20,988	1/2	7,056	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,616	3/4	65,693	3/4	50,694	3/4	35,683	3/4	20,677	3/4	6,789	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	80,303	3	65,382	3	50,381	3	35,370	3	20,366	3	6,522	3	3	3	3	3	3	3	3
1/4	79,990	1/4	65,071	1/4	50,069	1/4	35,057	1/4	20,056	1/4	6,254	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,678	1/2	64,759	1/2	49,756	1/2	34,745	1/2	19,748	1/2	5,990	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,365	3/4	64,448	3/4	49,443	3/4	34,432	3/4	19,440	3/4	5,727	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	79,052	4	64,136	4	49,130	4	34,119	4	19,132	4	5,463	4	4	4	4	4	4	4	4
1/4	78,739	1/4	63,824	1/4	48,818	1/4	33,807	1/4	18,825	1/4	5,199	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,427	1/2	63,512	1/2	48,505	1/2	33,494	1/2	18,521	1/2	4,939	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,115	3/4	63,201	3/4	48,192	3/4	33,181	3/4	18,217	3/4	4,679	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	77,803	5	62,889	5	47,879	5	32,868	5	17,913	5	4,419	5	5	5	5	5	5	5	5
1/4	77,491	1/4	62,577	1/4	47,567	1/4	32,556	1/4	17,609	1/4	4,159	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,180	1/2	62,264	1/2	47,254	1/2	32,243	1/2	17,308	1/2	3,903	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,869	3/4	61,952	3/4	46,941	3/4	31,930	3/4	17,008	3/4	3,647	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	76,558	6	61,639	6	46,629	6	31,617	6	16,708	6	3,391	6	6	6	6	6	6	6	6
1/4	76,247	1/4	61,327	1/4	46,316	1/4	31,305	1/4	16,407	1/4	3,135	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,936	1/2	61,014	1/2	46,003	1/2	30,992	1/2	16,111	1/2	2,883	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,626	3/4	60,701	3/4	45,690	3/4	30,679	3/4	15,814	3/4	2,631	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	75,316	7	60,389	7	45,378	7	30,367	7	15,517	7	2,379	7	7	7	7	7	7	7	7
1/4	75,005	1/4	60,076	1/4	45,065	1/4	30,054	1/4	15,220	1/4	2,127	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,695	1/2	59,763	1/2	44,752	1/2	29,741	1/2	14,927	1/2	1,899	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,384	3/4	59,451	3/4	44,439	3/4	29,428	3/4	14,634	3/4	1,670	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	74,074	8	59,138	8	44,127	8	29,116	8	14,341	8	1,442	8	8	8	8	8	8	8	8
1/4	73,764	1/4	58,825	1/4	43,814	1/4	28,803	1/4	14,048	1/4	1,213	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,453	1/2	58,512	1/2	43,501	1/2	28,490	1/2	13,759	1/2	1,046	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,143	3/4	58,200	3/4	43,189	3/4	28,177	3/4	13,470	3/4	878	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	72,833	9	57,887	9	42,876	9	27,865	9	13,180	9	711	9	9	9	9	9	9	9	9
1/4	72,522	1/4	57,574	1/4	42,563	1/4	27,552	1/4	12,891	1/4	543	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,212	1/2	57,261	1/2	42,250	1/2	27,239	1/2	12,605	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,901	3/4	56,949	3/4	41,938	3/4	26,926	3/4	12,320	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	71,591	10	56,636	10	41,625	10	26,614	10	12,034	10	10	10	10	10	10	10	10	10	10
1/4	71,281	1/4	56,323	1/4	41,312	1/4	26,301	1/4	11,748	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	70,970	1/2	56,011	1/2	40,999	1/2	25,988	1/2	11,466	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	70,660	3/4	55,698	3/4	40,687	3/4	25,676	3/4	11,184	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	70,350	11	55,385	11	40,374	11	25,363	11	10,902	11	11	11	11	11	11	11	11	11	11
1/4	70,039	1/4	55,072	1/4	40,061	1/4	25,050	1/4	10,620	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	69,729	1/2	54,760	1/2	39,748	1/2	24,737	1/2	10,342	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	69,418	3/4	54,447	3/4	39,436	3/4	24,425	3/4	10,063	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023





# BARGE "CTC 29149"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	207,651	0	192,656	0	177,594	0	162,498	0	147,401	0	132,304	0	117,207	0	102,106
1/4	1/4	1/4	1/4	1/4	207,339	1/4	192,342	1/4	177,280	1/4	162,183	1/4	147,086	1/4	131,990	1/4	116,893	1/4	101,792
1/2	1/2	1/2	1/2	1/2	207,028	1/2	192,029	1/2	176,965	1/2	161,869	1/2	146,772	1/2	131,675	1/2	116,578	1/2	101,477
3/4	3/4	3/4	3/4	3/4	206,716	3/4	191,715	3/4	176,651	3/4	161,554	3/4	146,457	3/4	131,361	3/4	116,264	3/4	101,162
1	1	1	1	1	206,405	1	191,401	1	176,336	1	161,240	1	146,143	1	131,046	1	115,949	1	100,848
1/4	1/4	1/4	1/4	1/4	206,094	1/4	191,088	1/4	176,022	1/4	160,925	1/4	145,828	1/4	130,732	1/4	115,635	1/4	100,533
1/2	1/2	1/2	1/2	1/2	205,782	1/2	190,774	1/2	175,707	1/2	160,611	1/2	145,514	1/2	130,417	1/2	115,320	1/2	100,218
3/4	3/4	3/4	3/4	3/4	205,471	3/4	190,461	3/4	175,393	3/4	160,296	3/4	145,199	3/4	130,103	3/4	115,006	3/4	99,904
2	2	2	2	2	205,159	2	190,147	2	175,078	2	159,981	2	144,885	2	129,788	2	114,691	2	99,589
1/4	1/4	1/4	1/4	1/4	204,848	1/4	189,833	1/4	174,764	1/4	159,667	1/4	144,570	1/4	129,474	1/4	114,377	1/4	99,274
1/2	1/2	1/2	1/2	1/2	204,537	1/2	189,520	1/2	174,449	1/2	159,352	1/2	144,256	1/2	129,159	1/2	114,062	1/2	98,960
3/4	3/4	3/4	3/4	3/4	204,225	3/4	189,206	3/4	174,135	3/4	159,038	3/4	143,941	3/4	128,844	3/4	113,748	3/4	98,645
3	3	3	3	3	203,914	3	188,893	3	173,820	3	158,723	3	143,627	3	128,530	3	113,433	3	98,330
1/4	1/4	1/4	1/4	1/4	203,602	1/4	188,579	1/4	173,506	1/4	158,409	1/4	143,312	1/4	128,215	1/4	113,119	1/4	98,015
1/2	1/2	1/2	1/2	1/2	203,291	1/2	188,265	1/2	173,191	1/2	158,094	1/2	142,998	1/2	127,901	1/2	112,804	1/2	97,701
3/4	3/4	3/4	3/4	3/4	202,980	3/4	187,952	3/4	172,877	3/4	157,780	3/4	142,683	3/4	127,586	3/4	112,490	3/4	97,386
4	4	4	4	4	202,668	4	187,638	4	172,562	4	157,465	4	142,369	4	127,272	4	112,175	4	97,071
1/4	1/4	1/4	1/4	1/4	202,357	1/4	187,325	1/4	172,248	1/4	157,151	1/4	142,054	1/4	126,957	1/4	111,861	1/4	96,757
1/2	1/2	1/2	1/2	1/2	202,045	1/2	187,011	1/2	171,933	1/2	156,836	1/2	141,740	1/2	126,643	1/2	111,546	1/2	96,442
3/4	3/4	3/4	3/4	3/4	201,734	3/4	186,697	3/4	171,619	3/4	156,522	3/4	141,425	3/4	126,328	3/4	111,231	3/4	96,127
5	5	5	5	5	201,422	5	186,384	5	171,304	5	156,207	5	141,111	5	126,014	5	110,917	5	95,813
1/4	1/4	1/4	1/4	1/4	201,111	1/4	186,070	1/4	170,990	1/4	155,893	1/4	140,796	1/4	125,699	1/4	110,602	1/4	95,498
1/2	1/2	1/2	1/2	1/2	200,800	1/2	185,757	1/2	170,675	1/2	155,578	1/2	140,482	1/2	125,385	1/2	110,288	1/2	95,183
3/4	3/4	3/4	3/4	3/4	200,488	3/4	185,443	3/4	170,360	3/4	155,264	3/4	140,167	3/4	125,070	3/4	109,973	3/4	94,869
6	6	214,479	6	200,177	6	185,129	6	170,046	6	154,949	6	139,853	6	124,756	6	109,658	6	94,554	
1/4	1/4	214,263	1/4	199,865	1/4	184,816	1/4	169,731	1/4	154,635	1/4	139,538	1/4	124,441	1/4	109,344	1/4	94,239	
1/2	1/2	214,047	1/2	199,552	1/2	184,502	1/2	169,417	1/2	154,320	1/2	139,223	1/2	124,127	1/2	109,029	1/2	93,925	
3/4	3/4	213,831	3/4	199,240	3/4	184,189	3/4	169,102	3/4	154,006	3/4	138,909	3/4	123,812	3/4	108,714	3/4	93,610	
7	7	213,615	7	198,928	7	183,875	7	168,788	7	153,691	7	138,594	7	123,498	7	108,400	7	93,295	
1/4	1/4	213,354	1/4	198,614	1/4	183,561	1/4	168,473	1/4	153,377	1/4	138,280	1/4	123,183	1/4	108,085	1/4	92,981	
1/2	1/2	213,093	1/2	198,301	1/2	183,248	1/2	168,159	1/2	153,062	1/2	137,965	1/2	122,869	1/2	107,770	1/2	92,666	
3/4	3/4	212,832	3/4	197,987	3/4	182,934	3/4	167,844	3/4	152,748	3/4	137,651	3/4	122,554	3/4	107,456	3/4	92,351	
8	8	212,571	8	197,674	8	182,621	8	167,530	8	152,433	8	137,336	8	122,240	8	107,141	8	92,037	
1/4	1/4	212,274	1/4	197,360	1/4	182,307	1/4	167,215	1/4	152,119	1/4	137,022	1/4	121,925	1/4	106,826	1/4	91,722	
1/2	1/2	211,977	1/2	197,046	1/2	181,993	1/2	166,901	1/2	151,804	1/2	136,707	1/2	121,611	1/2	106,512	1/2	91,407	
3/4	3/4	211,680	3/4	196,733	3/4	181,680	3/4	166,586	3/4	151,490	3/4	136,393	3/4	121,296	3/4	106,197	3/4	91,093	
9	9	211,384	9	196,419	9	181,366	9	166,272	9	151,175	9	136,078	9	120,982	9	105,882	9	90,778	
1/4	1/4	211,073	1/4	196,106	1/4	181,052	1/4	165,957	1/4	150,861	1/4	135,764	1/4	120,667	1/4	105,568	1/4	90,463	
1/2	1/2	210,763	1/2	195,792	1/2	180,738	1/2	165,643	1/2	150,546	1/2	135,449	1/2	120,353	1/2	105,253	1/2	90,149	
3/4	3/4	210,452	3/4	195,478	3/4	180,424	3/4	165,328	3/4	150,232	3/4	135,135	3/4	120,038	3/4	104,938	3/4	89,834	
10	10	210,142	10	195,165	10	180,110	10	165,014	10	149,917	10	134,820	10	119,724	10	104,624	10	89,519	
1/4	1/4	209,830	1/4	194,851	1/4	179,796	1/4	164,699	1/4	149,602	1/4	134,506	1/4	119,409	1/4	104,309	1/4	89,205	
1/2	1/2	209,519	1/2	194,538	1/2	179,481	1/2	164,385	1/2	149,288	1/2	134,191	1/2	119,095	1/2	103,994	1/2	88,890	
3/4	3/4	209,208	3/4	194,224	3/4	179,167	3/4	164,070	3/4	148,973	3/4	133,877	3/4	118,780	3/4	103,680	3/4	88,575	
11	11	208,897	11	193,910	11	178,852	11	163,756	11	148,659	11	133,562	11	118,465	11	103,365	11	88,261	
1/4	1/4	208,585	1/4	193,597	1/4	178,538	1/4	163,441	1/4	148,344	1/4	133,248	1/4	118,151	1/4	103,050	1/4	87,946	
1/2	1/2	208,274	1/2	193,283	1/2	178,223	1/2	163,127	1/2	148,030	1/2	132,933	1/2	117,836	1/2	102,736	1/2	87,631	
3/4	3/4	207,962	3/4	192,970	3/4	177,909	3/4	162,812	3/4	147,715	3/4	132,619	3/4	117,522	3/4	102,421	3/4	87,317	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 2 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	87,002	0	71,898	0	56,794	0	41,704	0	26,609	0	11,505	0		0		0		0	
1/4	86,687	1/4	71,583	1/4	56,479	1/4	41,390	1/4	26,294	1/4	11,190	1/4		1/4		1/4		1/4	
1/2	86,373	1/2	71,269	1/2	56,165	1/2	41,076	1/2	25,979	1/2	10,876	1/2		1/2		1/2		1/2	
3/4	86,058	3/4	70,954	3/4	55,850	3/4	40,762	3/4	25,665	3/4	10,561	3/4		3/4		3/4		3/4	
1	85,743	1	70,639	1	55,535	1	40,448	1	25,350	1	10,246	1		1		1		1	
1/4	85,429	1/4	70,325	1/4	55,221	1/4	40,134	1/4	25,035	1/4	9,932	1/4		1/4		1/4		1/4	
1/2	85,114	1/2	70,010	1/2	54,906	1/2	39,820	1/2	24,721	1/2	9,617	1/2		1/2		1/2		1/2	
3/4	84,799	3/4	69,695	3/4	54,591	3/4	39,506	3/4	24,406	3/4	9,302	3/4		3/4		3/4		3/4	
2	84,485	2	69,381	2	54,277	2	39,192	2	24,091	2	8,988	2		2		2		2	
1/4	84,170	1/4	69,066	1/4	53,962	1/4	38,878	1/4	23,777	1/4	8,673	1/4		1/4		1/4		1/4	
1/2	83,855	1/2	68,751	1/2	53,647	1/2	38,564	1/2	23,462	1/2	8,359	1/2		1/2		1/2		1/2	
3/4	83,541	3/4	68,437	3/4	53,333	3/4	38,250	3/4	23,147	3/4	8,044	3/4		3/4		3/4		3/4	
3	83,226	3	68,122	3	53,018	3	37,935	3	22,833	3	7,729	3		3		3		3	
1/4	82,911	1/4	67,807	1/4	52,703	1/4	37,621	1/4	22,518	1/4	7,415	1/4		1/4		1/4		1/4	
1/2	82,597	1/2	67,493	1/2	52,389	1/2	37,307	1/2	22,204	1/2	7,100	1/2		1/2		1/2		1/2	
3/4	82,282	3/4	67,178	3/4	52,074	3/4	36,992	3/4	21,889	3/4	6,785	3/4		3/4		3/4		3/4	
4	81,967	4	66,863	4	51,759	4	36,678	4	21,574	4	6,471	4		4		4		4	
1/4	81,653	1/4	66,549	1/4	51,445	1/4	36,363	1/4	21,260	1/4	6,156	1/4		1/4		1/4		1/4	
1/2	81,338	1/2	66,234	1/2	51,130	1/2	36,049	1/2	20,945	1/2	5,841	1/2		1/2		1/2		1/2	
3/4	81,023	3/4	65,919	3/4	50,815	3/4	35,734	3/4	20,630	3/4	5,527	3/4		3/4		3/4		3/4	
5	80,709	5	65,605	5	50,501	5	35,419	5	20,316	5	5,212	5		5		5		5	
1/4	80,394	1/4	65,290	1/4	50,186	1/4	35,105	1/4	20,001	1/4	4,898	1/4		1/4		1/4		1/4	
1/2	80,079	1/2	64,975	1/2	49,872	1/2	34,790	1/2	19,686	1/2	4,583	1/2		1/2		1/2		1/2	
3/4	79,765	3/4	64,661	3/4	49,557	3/4	34,475	3/4	19,372	3/4	4,269	3/4		3/4		3/4		3/4	
6	79,450	6	64,346	6	49,243	6	34,161	6	19,057	6	3,954	6		6		6		6	
1/4	79,135	1/4	64,031	1/4	48,928	1/4	33,846	1/4	18,742	1/4	3,640	1/4		1/4		1/4		1/4	
1/2	78,821	1/2	63,717	1/2	48,614	1/2	33,531	1/2	18,428	1/2	3,327	1/2		1/2		1/2		1/2	
3/4	78,506	3/4	63,402	3/4	48,300	3/4	33,217	3/4	18,113	3/4	3,013	3/4		3/4		3/4		3/4	
7	78,191	7	63,087	7	47,986	7	32,902	7	17,798	7	2,699	7		7		7		7	
1/4	77,877	1/4	62,773	1/4	47,672	1/4	32,587	1/4	17,484	1/4	2,405	1/4		1/4		1/4		1/4	
1/2	77,562	1/2	62,458	1/2	47,358	1/2	32,273	1/2	17,169	1/2	2,111	1/2		1/2		1/2		1/2	
3/4	77,247	3/4	62,143	3/4	47,044	3/4	31,958	3/4	16,854	3/4	1,817	3/4		3/4		3/4		3/4	
8	76,933	8	61,829	8	46,730	8	31,643	8	16,540	8	1,523	8		8		8		8	
1/4	76,618	1/4	61,514	1/4	46,416	1/4	31,329	1/4	16,225	1/4	1,300	1/4		1/4		1/4		1/4	
1/2	76,303	1/2	61,199	1/2	46,101	1/2	31,014	1/2	15,910	1/2	1,077	1/2		1/2		1/2		1/2	
3/4	75,989	3/4	60,885	3/4	45,787	3/4	30,699	3/4	15,596	3/4	854	3/4		3/4		3/4		3/4	
9	75,674	9	60,570	9	45,473	9	30,385	9	15,281	9	632	9		9		9		9	
1/4	75,359	1/4	60,255	1/4	45,159	1/4	30,070	1/4	14,966	1/4		1/4		1/4		1/4		1/4	
1/2	75,045	1/2	59,941	1/2	44,845	1/2	29,755	1/2	14,652	1/2		1/2		1/2		1/2		1/2	
3/4	74,730	3/4	59,626	3/4	44,531	3/4	29,441	3/4	14,337	3/4		3/4		3/4		3/4		3/4	
10	74,415	10	59,311	10	44,217	10	29,126	10	14,022	10		10		10		10		10	
1/4	74,101	1/4	58,997	1/4	43,903	1/4	28,811	1/4	13,708	1/4		1/4		1/4		1/4		1/4	
1/2	73,786	1/2	58,682	1/2	43,589	1/2	28,497	1/2	13,393	1/2		1/2		1/2		1/2		1/2	
3/4	73,471	3/4	58,367	3/4	43,275	3/4	28,182	3/4	13,078	3/4		3/4		3/4		3/4		3/4	
11	73,157	11	58,053	11	42,961	11	27,867	11	12,764	11		11		11		11		11	
1/4	72,842	1/4	57,738	1/4	42,647	1/4	27,553	1/4	12,449	1/4		1/4		1/4		1/4		1/4	
1/2	72,527	1/2	57,423	1/2	42,333	1/2	27,238	1/2	12,134	1/2		1/2		1/2		1/2		1/2	
3/4	72,213	3/4	57,109	3/4	42,019	3/4	26,923	3/4	11,820	3/4		3/4		3/4		3/4		3/4	

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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



# BARGE "CTC 29149"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	207,130	0	192,131	0	177,066	0	161,966	0	146,865	0	131,765	0	116,664	0	101,560
1/4	1/4	1/4	1/4	1/4	206,818	1/4	191,817	1/4	176,751	1/4	161,651	1/4	146,551	1/4	131,450	1/4	116,350	1/4	101,245
1/2	1/2	1/2	1/2	1/2	206,507	1/2	191,504	1/2	176,437	1/2	161,336	1/2	146,236	1/2	131,136	1/2	116,035	1/2	100,930
3/4	3/4	3/4	3/4	3/4	206,195	3/4	191,190	3/4	176,122	3/4	161,022	3/4	145,921	3/4	130,821	3/4	115,721	3/4	100,615
1	1	1	1	1	205,884	1	190,876	1	175,808	1	160,707	1	145,607	1	130,506	1	115,406	1	100,301
1/4	1/4	1/4	1/4	1/4	205,572	1/4	190,563	1/4	175,493	1/4	160,393	1/4	145,292	1/4	130,192	1/4	115,091	1/4	99,986
1/2	1/2	1/2	1/2	1/2	205,261	1/2	190,249	1/2	175,178	1/2	160,078	1/2	144,978	1/2	129,877	1/2	114,777	1/2	99,671
3/4	3/4	3/4	3/4	3/4	204,949	3/4	189,935	3/4	174,864	3/4	159,763	3/4	144,663	3/4	129,563	3/4	114,462	3/4	99,356
2	2	2	2	2	204,638	2	189,622	2	174,549	2	159,449	2	144,348	2	129,248	2	114,148	2	99,042
1/4	1/4	1/4	1/4	1/4	204,326	1/4	189,308	1/4	174,235	1/4	159,134	1/4	144,034	1/4	128,933	1/4	113,833	1/4	98,727
1/2	1/2	1/2	1/2	1/2	204,015	1/2	188,994	1/2	173,920	1/2	158,820	1/2	143,719	1/2	128,619	1/2	113,518	1/2	98,412
3/4	3/4	3/4	3/4	3/4	203,703	3/4	188,681	3/4	173,605	3/4	158,505	3/4	143,405	3/4	128,304	3/4	113,204	3/4	98,097
3	3	3	3	3	203,392	3	188,367	3	173,291	3	158,190	3	143,090	3	127,990	3	112,899	3	97,783
1/4	1/4	1/4	1/4	1/4	203,080	1/4	188,053	1/4	172,976	1/4	157,876	1/4	142,775	1/4	127,675	1/4	112,575	1/4	97,468
1/2	1/2	1/2	1/2	1/2	202,769	1/2	187,740	1/2	172,662	1/2	157,561	1/2	142,461	1/2	127,361	1/2	112,260	1/2	97,153
3/4	3/4	3/4	3/4	3/4	202,457	3/4	187,426	3/4	172,347	3/4	157,247	3/4	142,146	3/4	127,046	3/4	111,946	3/4	96,838
4	4	4	4	4	202,146	4	187,112	4	172,032	4	156,932	4	141,832	4	126,731	4	111,631	4	96,524
1/4	1/4	1/4	1/4	1/4	201,834	1/4	186,799	1/4	171,718	1/4	156,618	1/4	141,517	1/4	126,417	1/4	111,316	1/4	96,209
1/2	1/2	1/2	1/2	1/2	201,523	1/2	186,485	1/2	171,403	1/2	156,303	1/2	141,203	1/2	126,102	1/2	111,002	1/2	95,894
3/4	3/4	3/4	3/4	3/4	201,211	3/4	186,171	3/4	171,089	3/4	155,988	3/4	140,888	3/4	125,788	3/4	110,687	3/4	95,579
5	5	5	5	5	200,900	5	185,858	5	170,774	5	155,674	5	140,573	5	125,473	5	110,372	5	95,265
1/4	1/4	1/4	1/4	1/4	200,588	1/4	185,544	1/4	170,460	1/4	155,359	1/4	140,259	1/4	125,158	1/4	110,058	1/4	94,950
1/2	1/2	1/2	1/2	1/2	200,277	1/2	185,230	1/2	170,145	1/2	155,045	1/2	139,944	1/2	124,844	1/2	109,743	1/2	94,635
3/4	3/4	3/4	3/4	3/4	199,965	3/4	184,917	3/4	169,830	3/4	154,730	3/4	139,630	3/4	124,529	3/4	109,428	3/4	94,320
6	6	213,960	6	199,654	6	184,603	6	169,516	6	154,415	6	139,315	6	124,215	6	109,113	6	94,006	
1/4	1/4	213,744	1/4	199,342	1/4	184,289	1/4	169,201	1/4	154,101	1/4	139,000	1/4	123,900	1/4	108,799	1/4	93,691	
1/2	1/2	213,528	1/2	199,029	1/2	183,976	1/2	168,887	1/2	153,786	1/2	138,686	1/2	123,585	1/2	108,484	1/2	93,376	
3/4	3/4	213,311	3/4	198,717	3/4	183,662	3/4	168,572	3/4	153,472	3/4	138,371	3/4	123,271	3/4	108,169	3/4	93,061	
7	7	213,095	7	198,405	7	183,348	7	168,257	7	153,157	7	138,057	7	122,956	7	107,854	7	92,747	
1/4	1/4	212,834	1/4	198,091	1/4	183,035	1/4	167,943	1/4	152,842	1/4	137,742	1/4	122,642	1/4	107,540	1/4	92,432	
1/2	1/2	212,573	1/2	197,777	1/2	182,721	1/2	167,628	1/2	152,528	1/2	137,427	1/2	122,327	1/2	107,225	1/2	92,117	
3/4	3/4	212,312	3/4	197,464	3/4	182,407	3/4	167,314	3/4	152,213	3/4	137,113	3/4	122,012	3/4	106,910	3/4	91,802	
8	8	212,051	8	197,150	8	182,093	8	166,999	8	151,899	8	136,798	8	121,698	8	106,595	8	91,488	
1/4	1/4	211,754	1/4	196,836	1/4	181,780	1/4	166,684	1/4	151,584	1/4	136,484	1/4	121,383	1/4	106,281	1/4	91,173	
1/2	1/2	211,457	1/2	196,523	1/2	181,466	1/2	166,370	1/2	151,269	1/2	136,169	1/2	121,069	1/2	105,966	1/2	90,858	
3/4	3/4	211,160	3/4	196,209	3/4	181,152	3/4	166,055	3/4	150,955	3/4	135,854	3/4	120,754	3/4	105,651	3/4	90,543	
9	9	210,863	9	195,895	9	180,839	9	165,741	9	150,640	9	135,540	9	120,440	9	105,336	9	90,229	
1/4	1/4	210,553	1/4	195,582	1/4	180,525	1/4	165,426	1/4	150,326	1/4	135,225	1/4	120,125	1/4	105,022	1/4	89,914	
1/2	1/2	210,242	1/2	195,268	1/2	180,211	1/2	165,111	1/2	150,011	1/2	134,911	1/2	119,810	1/2	104,707	1/2	89,599	
3/4	3/4	209,932	3/4	194,954	3/4	179,897	3/4	164,797	3/4	149,696	3/4	134,596	3/4	119,496	3/4	104,392	3/4	89,284	
10	10	209,621	10	194,641	10	179,583	10	164,482	10	149,382	10	134,282	10	119,181	10	104,077	10	88,970	
1/4	1/4	209,310	1/4	194,327	1/4	179,268	1/4	164,168	1/4	149,067	1/4	133,967	1/4	118,867	1/4	103,763	1/4	88,655	
1/2	1/2	208,998	1/2	194,013	1/2	178,953	1/2	163,853	1/2	148,753	1/2	133,652	1/2	118,552	1/2	103,448	1/2	88,340	
3/4	3/4	208,687	3/4	193,700	3/4	178,639	3/4	163,539	3/4	148,438	3/4	133,338	3/4	118,237	3/4	103,133	3/4	88,026	
11	11	208,376	11	193,386	11	178,324	11	163,224	11	148,124	11	133,023	11	117,923	11	102,818	11	87,711	
1/4	1/4	208,064	1/4	193,072	1/4	178,010	1/4	162,909	1/4	147,809	1/4	132,709	1/4	117,608	1/4	102,504	1/4	87,396	
1/2	1/2	207,753	1/2	192,759	1/2	177,695	1/2	162,595	1/2	147,494	1/2	132,394	1/2	117,294	1/2	102,189	1/2	87,081	
3/4	3/4	207,441	3/4	192,445	3/4	177,381	3/4	162,280	3/4	147,180	3/4	132,079	3/4	116,979	3/4	101,874	3/4	86,767	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 43'-06" FORWARD OF AFT BULKHEAD.

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# BARGE "CTC 29149"

## 2 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

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	86,452	0	71,504	0	56,677	0	41,715	0	26,615	0	11,508	0		0		0		0	
1/4	86,137	1/4	71,195	1/4	56,368	1/4	41,400	1/4	26,300	1/4	11,193	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,822	1/2	70,887	1/2	56,059	1/2	41,086	1/2	25,986	1/2	10,878	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	85,508	3/4	70,578	3/4	55,750	3/4	40,772	3/4	25,671	3/4	10,564	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,193	1	70,269	1	55,441	1	40,458	1	25,356	1	10,249	1	1	1	1	1	1	1	1
1/4	84,878	1/4	69,960	1/4	55,132	1/4	40,144	1/4	25,041	1/4	9,934	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,563	1/2	69,651	1/2	54,823	1/2	39,830	1/2	24,727	1/2	9,619	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,249	3/4	69,342	3/4	54,514	3/4	39,516	3/4	24,412	3/4	9,305	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,934	2	69,033	2	54,205	2	39,201	2	24,097	2	8,990	2	2	2	2	2	2	2	2
1/4	83,619	1/4	68,724	1/4	53,896	1/4	38,887	1/4	23,783	1/4	8,675	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,304	1/2	68,415	1/2	53,587	1/2	38,573	1/2	23,468	1/2	8,361	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,990	3/4	68,106	3/4	53,278	3/4	38,259	3/4	23,153	3/4	8,046	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	82,675	3	67,797	3	52,970	3	37,945	3	22,838	3	7,731	3	3	3	3	3	3	3	3
1/4	82,360	1/4	67,489	1/4	52,661	1/4	37,630	1/4	22,524	1/4	7,416	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,045	1/2	67,180	1/2	52,352	1/2	37,316	1/2	22,209	1/2	7,102	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,731	3/4	66,871	3/4	52,043	3/4	37,001	3/4	21,894	3/4	6,787	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	81,416	4	66,562	4	51,734	4	36,687	4	21,579	4	6,472	4	4	4	4	4	4	4	4
1/4	81,102	1/4	66,253	1/4	51,425	1/4	36,372	1/4	21,265	1/4	6,157	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,789	1/2	65,944	1/2	51,116	1/2	36,057	1/2	20,950	1/2	5,843	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	80,475	3/4	65,635	3/4	50,807	3/4	35,742	3/4	20,635	3/4	5,528	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,161	5	65,326	5	50,498	5	35,428	5	20,320	5	5,213	5	5	5	5	5	5	5	5
1/4	79,851	1/4	65,017	1/4	50,187	1/4	35,113	1/4	20,006	1/4	4,899	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,540	1/2	64,708	1/2	49,876	1/2	34,798	1/2	19,691	1/2	4,584	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,229	3/4	64,399	3/4	49,565	3/4	34,484	3/4	19,376	3/4	4,270	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,918	6	64,090	6	49,255	6	34,169	6	19,062	6	3,955	6	6	6	6	6	6	6	6
1/4	78,609	1/4	63,782	1/4	48,940	1/4	33,854	1/4	18,747	1/4	3,641	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,301	1/2	63,473	1/2	48,626	1/2	33,539	1/2	18,432	1/2	3,327	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,992	3/4	63,164	3/4	48,312	3/4	33,225	3/4	18,117	3/4	3,014	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,683	7	62,855	7	47,998	7	32,910	7	17,803	7	2,700	7	7	7	7	7	7	7	7
1/4	77,374	1/4	62,546	1/4	47,683	1/4	32,595	1/4	17,488	1/4	2,406	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,065	1/2	62,237	1/2	47,369	1/2	32,280	1/2	17,173	1/2	2,112	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,756	3/4	61,928	3/4	47,055	3/4	31,966	3/4	16,858	3/4	1,817	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	76,447	8	61,619	8	46,741	8	31,651	8	16,544	8	1,523	8	8	8	8	8	8	8	8
1/4	76,138	1/4	61,310	1/4	46,427	1/4	31,336	1/4	16,229	1/4	1,300	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,829	1/2	61,001	1/2	46,113	1/2	31,021	1/2	15,914	1/2	1,078	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	75,520	3/4	60,692	3/4	45,798	3/4	30,707	3/4	15,599	3/4	855	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,211	9	60,384	9	45,484	9	30,392	9	15,285	9	632	9	9	9	9	9	9	9	9
1/4	74,902	1/4	60,075	1/4	45,170	1/4	30,077	1/4	14,970	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,594	1/2	59,766	1/2	44,856	1/2	29,763	1/2	14,655	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,285	3/4	59,457	3/4	44,542	3/4	29,448	3/4	14,341	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,976	10	59,148	10	44,228	10	29,133	10	14,026	10	10	10	10	10	10	10	10	10	10
1/4	73,667	1/4	58,839	1/4	43,914	1/4	28,818	1/4	13,711	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,358	1/2	58,530	1/2	43,599	1/2	28,504	1/2	13,396	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,049	3/4	58,221	3/4	43,285	3/4	28,189	3/4	13,082	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	72,740	11	57,912	11	42,971	11	27,874	11	12,767	11	11	11	11	11	11	11	11	11	11
1/4	72,431	1/4	57,603	1/4	42,657	1/4	27,559	1/4	12,452	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,122	1/2	57,294	1/2	42,343	1/2	27,245	1/2	12,137	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,813	3/4	56,985	3/4	42,029	3/4	26,930	3/4	11,823	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023





# BARGE "CTC 29149"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 1/2"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	190,683	0	180,381	0	170,032	0	159,657	0	147,230	0	132,239	0	117,231	0	102,213
1/4	1/4	1/4	1/4	1/4	190,469	1/4	180,166	1/4	169,815	1/4	159,441	1/4	146,920	1/4	131,926	1/4	116,918	1/4	101,900
1/2	1/2	1/2	1/2	1/2	190,255	1/2	179,950	1/2	169,599	1/2	159,225	1/2	146,609	1/2	131,614	1/2	116,606	1/2	101,587
3/4	3/4	3/4	3/4	3/4	190,041	3/4	179,735	3/4	169,383	3/4	159,009	3/4	146,298	3/4	131,301	3/4	116,293	3/4	101,274
1		1		1	189,827	1	179,519	1	169,167	1	158,793	1	145,987	1	130,988	1	115,980	1	100,961
1/4	1/4	1/4	1/4	1/4	189,613	1/4	179,304	1/4	168,951	1/4	158,577	1/4	145,677	1/4	130,676	1/4	115,668	1/4	100,648
1/2	1/2	1/2	1/2	1/2	189,399	1/2	179,088	1/2	168,735	1/2	158,360	1/2	145,366	1/2	130,363	1/2	115,355	1/2	100,335
3/4	3/4	3/4	3/4	3/4	189,185	3/4	178,873	3/4	168,519	3/4	158,135	3/4	145,054	3/4	130,050	3/4	115,042	3/4	100,022
2		2		2	188,971	2	178,657	2	168,303	2	157,910	2	144,743	2	129,738	2	114,730	2	99,709
1/4	1/4	1/4	1/4	1/4	188,757	1/4	178,442	1/4	168,086	1/4	157,685	1/4	144,431	1/4	129,425	1/4	114,417	1/4	99,396
1/2	1/2	1/2	1/2	1/2	188,543	1/2	178,226	1/2	167,870	1/2	157,459	1/2	144,120	1/2	129,112	1/2	114,104	1/2	99,083
3/4	3/4	3/4	3/4	3/4	188,329	3/4	178,010	3/4	167,654	3/4	157,219	3/4	143,807	3/4	128,800	3/4	113,792	3/4	98,770
3		3		3	188,115	3	177,795	3	167,438	3	156,979	3	143,495	3	128,487	3	113,479	3	98,457
1/4	1/4	1/4	1/4	1/4	187,901	1/4	177,579	1/4	167,222	1/4	156,738	1/4	143,182	1/4	128,174	1/4	113,166	1/4	98,143
1/2	1/2	1/2	1/2	1/2	187,687	1/2	177,364	1/2	167,006	1/2	156,498	1/2	142,869	1/2	127,862	1/2	112,854	1/2	97,830
3/4	3/4	3/4	3/4	3/4	187,473	3/4	177,148	3/4	166,790	3/4	156,258	3/4	142,557	3/4	127,549	3/4	112,541	3/4	97,517
4		4		4	187,259	4	176,933	4	166,573	4	156,017	4	142,244	4	127,236	4	112,228	4	97,204
1/4	1/4	1/4	1/4	1/4	187,045	1/4	176,717	1/4	166,357	1/4	155,777	1/4	141,931	1/4	126,924	1/4	111,916	1/4	96,891
1/2	1/2	1/2	1/2	1/2	186,831	1/2	176,502	1/2	166,141	1/2	155,536	1/2	141,619	1/2	126,611	1/2	111,603	1/2	96,578
3/4	3/4	3/4	3/4	3/4	186,617	3/4	176,286	3/4	165,925	3/4	155,296	3/4	141,306	3/4	126,298	3/4	111,290	3/4	96,265
5		5		5	186,403	5	176,071	5	165,709	5	155,056	5	140,993	5	125,986	5	110,978	5	95,952
1/4	1/4	1/4	1/4	1/4	186,189	1/4	175,855	1/4	165,493	1/4	154,815	1/4	140,681	1/4	125,673	1/4	110,665	1/4	95,639
1/2	1/2	1/2	1/2	1/2	185,975	1/2	175,640	1/2	165,277	1/2	154,575	1/2	140,368	1/2	125,360	1/2	110,352	1/2	95,326
3/4	3/4	3/4	3/4	3/4	185,761	3/4	175,424	3/4	165,061	3/4	154,334	3/4	140,055	3/4	125,048	3/4	110,039	3/4	95,013
6		6		6	185,547	6	175,209	6	164,844	6	154,094	6	139,743	6	124,735	6	109,727	6	94,700
1/4	1/4	1/4	1/4	1/4	185,333	1/4	174,993	1/4	164,628	1/4	153,854	1/4	139,430	1/4	124,422	1/4	109,414	1/4	94,387
1/2	1/2	1/2	1/2	1/2	194,748	1/2	185,119	1/2	174,778	1/2	164,412	1/2	153,613	1/2	139,117	1/2	109,101	1/2	94,074
3/4	3/4	3/4	3/4	3/4	194,629	3/4	184,904	3/4	174,562	3/4	164,196	3/4	153,373	3/4	138,805	3/4	108,788	3/4	93,761
7		7		7	194,510	7	184,690	7	174,347	7	163,980	7	153,132	7	138,492	7	108,475	7	93,447
1/4	1/4	1/4	1/4	1/4	194,391	1/4	184,475	1/4	174,131	1/4	163,764	1/4	152,892	1/4	138,179	1/4	108,162	1/4	93,134
1/2	1/2	1/2	1/2	1/2	194,272	1/2	184,261	1/2	173,916	1/2	163,548	1/2	152,652	1/2	137,867	1/2	107,849	1/2	92,821
3/4	3/4	3/4	3/4	3/4	194,108	3/4	184,045	3/4	173,700	3/4	163,331	3/4	152,385	3/4	137,554	3/4	107,536	3/4	92,508
8		8		8	193,944	8	183,830	8	173,484	8	163,115	8	152,118	8	137,241	8	107,222	8	92,195
1/4	1/4	1/4	1/4	1/4	193,781	1/4	183,614	1/4	173,269	1/4	162,899	1/4	151,851	1/4	136,929	1/4	106,909	1/4	91,882
1/2	1/2	1/2	1/2	1/2	193,617	1/2	183,399	1/2	173,053	1/2	162,683	1/2	151,584	1/2	136,616	1/2	106,596	1/2	91,569
3/4	3/4	3/4	3/4	3/4	193,417	3/4	183,183	3/4	172,838	3/4	162,467	3/4	151,273	3/4	136,303	3/4	106,283	3/4	91,256
9		9		9	193,218	9	182,967	9	172,622	9	162,251	9	150,962	9	135,991	9	105,970	9	90,943
1/4	1/4	1/4	1/4	1/4	193,018	1/4	182,752	1/4	172,407	1/4	162,035	1/4	150,651	1/4	135,678	1/4	105,657	1/4	90,630
1/2	1/2	1/2	1/2	1/2	192,819	1/2	182,536	1/2	172,191	1/2	161,819	1/2	150,340	1/2	135,365	1/2	105,344	1/2	90,317
3/4	3/4	3/4	3/4	3/4	192,606	3/4	182,321	3/4	171,976	3/4	161,602	3/4	150,029	3/4	135,053	3/4	105,031	3/4	90,004
10		10		10	192,393	10	182,105	10	171,760	10	161,386	10	149,718	10	134,740	10	104,718	10	89,691
1/4	1/4	1/4	1/4	1/4	192,180	1/4	181,890	1/4	171,544	1/4	161,170	1/4	149,407	1/4	134,427	1/4	104,405	1/4	89,378
1/2	1/2	1/2	1/2	1/2	191,967	1/2	181,674	1/2	171,328	1/2	160,954	1/2	149,096	1/2	134,115	1/2	104,092	1/2	89,064
3/4	3/4	3/4	3/4	3/4	191,753	3/4	181,459	3/4	171,112	3/4	160,738	3/4	148,785	3/4	133,802	3/4	103,779	3/4	88,751
11		11		11	191,539	11	181,243	11	170,896	11	160,522	11	148,474	11	133,490	11	103,466	11	88,438
1/4	1/4	1/4	1/4	1/4	191,325	1/4	181,028	1/4	170,680	1/4	160,306	1/4	148,163	1/4	133,177	1/4	103,153	1/4	88,125
1/2	1/2	1/2	1/2	1/2	191,111	1/2	180,812	1/2	170,464	1/2	160,089	1/2	147,852	1/2	132,864	1/2	102,839	1/2	87,812
3/4	3/4	3/4	3/4	3/4	190,897	3/4	180,597	3/4	170,248	3/4	159,873	3/4	147,541	3/4	132,552	3/4	102,526	3/4	87,499

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 3 PORT ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09 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	87,186	0	72,159	0	57,131	0	42,118	0	27,100	0	12,073	0		0		0		0	
1/4	86,873	1/4	71,846	1/4	56,818	1/4	41,805	1/4	26,787	1/4	11,760	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	86,560	1/2	71,533	1/2	56,505	1/2	41,493	1/2	26,474	1/2	11,447	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	86,247	3/4	71,220	3/4	56,192	3/4	41,180	3/4	26,161	3/4	11,134	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	85,934	1	70,906	1	55,879	1	40,868	1	25,848	1	10,821	1	1	1	1	1	1	1	1
1/4	85,621	1/4	70,593	1/4	55,566	1/4	40,555	1/4	25,534	1/4	10,508	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,308	1/2	70,280	1/2	55,253	1/2	40,243	1/2	25,221	1/2	10,195	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,995	3/4	69,967	3/4	54,940	3/4	39,930	3/4	24,908	3/4	9,881	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	84,682	2	69,654	2	54,627	2	39,618	2	24,595	2	9,568	2	2	2	2	2	2	2	2
1/4	84,368	1/4	69,341	1/4	54,314	1/4	39,305	1/4	24,282	1/4	9,255	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	84,055	1/2	69,028	1/2	54,001	1/2	38,993	1/2	23,969	1/2	8,942	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,742	3/4	68,715	3/4	53,688	3/4	38,680	3/4	23,656	3/4	8,629	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	83,429	3	68,402	3	53,375	3	38,368	3	23,343	3	8,316	3	3	3	3	3	3	3	3
1/4	83,116	1/4	68,089	1/4	53,062	1/4	38,055	1/4	23,030	1/4	8,003	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,803	1/2	67,776	1/2	52,749	1/2	37,743	1/2	22,717	1/2	7,690	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,490	3/4	67,463	3/4	52,435	3/4	37,430	3/4	22,404	3/4	7,377	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	82,177	4	67,150	4	52,122	4	37,117	4	22,091	4	7,064	4	4	4	4	4	4	4	4
1/4	81,864	1/4	66,837	1/4	51,809	1/4	36,804	1/4	21,778	1/4	6,751	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,551	1/2	66,524	1/2	51,496	1/2	36,492	1/2	21,465	1/2	6,438	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,238	3/4	66,210	3/4	51,183	3/4	36,178	3/4	21,152	3/4	6,125	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	80,925	5	65,897	5	50,870	5	35,865	5	20,839	5	5,812	5	5	5	5	5	5	5	5
1/4	80,612	1/4	65,584	1/4	50,557	1/4	35,552	1/4	20,526	1/4	5,499	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,299	1/2	65,271	1/2	50,244	1/2	35,239	1/2	20,212	1/2	5,186	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,985	3/4	64,958	3/4	49,931	3/4	34,926	3/4	19,899	3/4	4,873	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	79,672	6	64,645	6	49,618	6	34,613	6	19,586	6	4,560	6	6	6	6	6	6	6	6
1/4	79,359	1/4	64,332	1/4	49,305	1/4	34,300	1/4	19,273	1/4	4,247	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	79,046	1/2	64,019	1/2	48,992	1/2	33,987	1/2	18,960	1/2	3,934	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,733	3/4	63,706	3/4	48,680	3/4	33,674	3/4	18,647	3/4	3,622	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	78,420	7	63,393	7	48,367	7	33,361	7	18,334	7	3,310	7	7	7	7	7	7	7	7
1/4	78,107	1/4	63,080	1/4	48,055	1/4	33,048	1/4	18,021	1/4	2,998	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,794	1/2	62,767	1/2	47,742	1/2	32,735	1/2	17,708	1/2	2,685	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,481	3/4	62,454	3/4	47,430	3/4	32,422	3/4	17,395	3/4	2,393	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	77,168	8	62,141	8	47,117	8	32,109	8	17,082	8	2,100	8	8	8	8	8	8	8	8
1/4	76,855	1/4	61,828	1/4	46,805	1/4	31,796	1/4	16,769	1/4	1,808	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,542	1/2	61,514	1/2	46,492	1/2	31,483	1/2	16,456	1/2	1,515	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,229	3/4	61,201	3/4	46,180	3/4	31,170	3/4	16,143	3/4	1,294	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	75,916	9	60,888	9	45,867	9	30,856	9	15,830	9	1,072	9	9	9	9	9	9	9	9
1/4	75,603	1/4	60,575	1/4	45,555	1/4	30,543	1/4	15,517	1/4	850	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,289	1/2	60,262	1/2	45,242	1/2	30,230	1/2	15,204	1/2	629	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,976	3/4	59,949	3/4	44,930	3/4	29,917	3/4	14,890	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	74,663	10	59,636	10	44,617	10	29,604	10	14,577	10		10	10	10	10	10	10	10	10
1/4	74,350	1/4	59,323	1/4	44,305	1/4	29,291	1/4	14,264	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	74,037	1/2	59,010	1/2	43,992	1/2	28,978	1/2	13,951	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,724	3/4	58,697	3/4	43,680	3/4	28,665	3/4	13,638	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
11	73,411	11	58,384	11	43,367	11	28,352	11	13,325	11		11	11	11	11	11	11	11	11
1/4	73,098	1/4	58,071	1/4	43,055	1/4	28,039	1/4	13,012	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,785	1/2	57,758	1/2	42,742	1/2	27,726	1/2	12,699	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,472	3/4	57,445	3/4	42,430	3/4	27,413	3/4	12,386	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

CANCELS AND SUPERCEDES  
ALL PRIOR TO 03/2023

PRECISION MEASUREMENT  
& ANALYSIS, INC.

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





# BARGE "CTC 29149"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT
0		0		0	189,024	0	178,737	0	168,403	0	158,047	0	145,457	0	130,517	0	115,567	0	100,607
1/4	1/4	1/4	1/4	1/4	188,811	1/4	178,522	1/4	168,188	1/4	157,831	1/4	145,147	1/4	130,205	1/4	115,256	1/4	100,295
1/2	1/2	1/2	1/2	1/2	188,597	1/2	178,306	1/2	167,972	1/2	157,615	1/2	144,838	1/2	129,894	1/2	114,945	1/2	99,983
3/4	3/4	3/4	3/4	3/4	188,383	3/4	178,091	3/4	167,756	3/4	157,399	3/4	144,528	3/4	129,582	3/4	114,634	3/4	99,671
1	1	1	1	1	188,170	1	177,876	1	167,540	1	157,184	1	144,219	1	129,271	1	114,322	1	99,359
1/4	1/4	1/4	1/4	1/4	187,956	1/4	177,661	1/4	167,325	1/4	156,959	1/4	143,908	1/4	128,959	1/4	114,011	1/4	99,047
1/2	1/2	1/2	1/2	1/2	187,742	1/2	177,446	1/2	167,109	1/2	156,734	1/2	143,598	1/2	128,648	1/2	113,700	1/2	98,735
3/4	3/4	3/4	3/4	3/4	187,529	3/4	177,231	3/4	166,893	3/4	156,509	3/4	143,288	3/4	128,336	3/4	113,389	3/4	98,423
2	2	2	2	2	187,315	2	177,016	2	166,677	2	156,284	2	142,977	2	128,025	2	113,077	2	98,111
1/4	1/4	1/4	1/4	1/4	187,101	1/4	176,800	1/4	166,462	1/4	156,044	1/4	142,666	1/4	127,713	1/4	112,766	1/4	97,799
1/2	1/2	1/2	1/2	1/2	186,888	1/2	176,585	1/2	166,246	1/2	155,804	1/2	142,354	1/2	127,402	1/2	112,455	1/2	97,487
3/4	3/4	3/4	3/4	3/4	186,674	3/4	176,370	3/4	166,030	3/4	155,564	3/4	142,043	3/4	127,090	3/4	112,144	3/4	97,175
3	3	3	3	3	186,461	3	176,155	3	165,814	3	155,324	3	141,731	3	126,779	3	111,832	3	96,863
1/4	1/4	1/4	1/4	1/4	186,247	1/4	175,940	1/4	165,599	1/4	155,084	1/4	141,420	1/4	126,467	1/4	111,521	1/4	96,551
1/2	1/2	1/2	1/2	1/2	186,033	1/2	175,725	1/2	165,383	1/2	154,844	1/2	141,108	1/2	126,156	1/2	111,210	1/2	96,239
3/4	3/4	3/4	3/4	3/4	185,820	3/4	175,509	3/4	165,167	3/4	154,604	3/4	140,797	3/4	125,844	3/4	110,899	3/4	95,927
4	4	4	4	4	185,606	4	175,294	4	164,951	4	154,364	4	140,485	4	125,532	4	110,587	4	95,615
1/4	1/4	1/4	1/4	1/4	185,392	1/4	175,079	1/4	164,735	1/4	154,124	1/4	140,174	1/4	125,221	1/4	110,276	1/4	95,303
1/2	1/2	1/2	1/2	1/2	185,179	1/2	174,864	1/2	164,520	1/2	153,884	1/2	139,862	1/2	124,909	1/2	109,964	1/2	94,991
3/4	3/4	3/4	3/4	3/4	184,965	3/4	174,649	3/4	164,304	3/4	153,644	3/4	139,551	3/4	124,598	3/4	109,653	3/4	94,679
5	5	5	5	5	184,751	5	174,434	5	164,088	5	153,404	5	139,239	5	124,286	5	109,342	5	94,367
1/4	1/4	1/4	1/4	1/4	184,538	1/4	174,218	1/4	163,872	1/4	153,164	1/4	138,928	1/4	123,975	1/4	109,030	1/4	94,055
1/2	1/2	1/2	1/2	1/2	184,324	1/2	174,003	1/2	163,657	1/2	152,924	1/2	138,616	1/2	123,663	1/2	108,718	1/2	93,743
3/4	3/4	3/4	3/4	3/4	184,110	3/4	173,788	3/4	163,441	3/4	152,684	3/4	138,305	3/4	123,352	3/4	108,406	3/4	93,431
6	6	193,510	6	183,897	6	173,573	6	163,225	6	152,444	6	137,993	6	123,040	6	108,094	6	93,119	
1/4	1/4	193,391	1/4	183,683	1/4	173,358	1/4	163,009	1/4	152,204	1/4	137,682	1/4	122,729	1/4	107,782	1/4	92,807	
1/2	1/2	193,272	1/2	183,468	1/2	173,143	1/2	162,794	1/2	151,964	1/2	137,370	1/2	122,417	1/2	107,470	1/2	92,495	
3/4	3/4	193,153	3/4	183,254	3/4	172,928	3/4	162,578	3/4	151,724	3/4	137,058	3/4	122,106	3/4	107,159	3/4	92,183	
7	7	193,034	7	183,040	7	172,712	7	162,362	7	151,485	7	136,747	7	121,794	7	106,847	7	91,871	
1/4	1/4	192,871	1/4	182,825	1/4	172,497	1/4	162,146	1/4	151,218	1/4	136,435	1/4	121,483	1/4	106,535	1/4	91,559	
1/2	1/2	192,707	1/2	182,610	1/2	172,282	1/2	161,931	1/2	150,952	1/2	136,124	1/2	121,171	1/2	106,223	1/2	91,247	
3/4	3/4	192,544	3/4	182,394	3/4	172,067	3/4	161,715	3/4	150,685	3/4	135,812	3/4	120,860	3/4	105,911	3/4	90,935	
8	8	192,380	8	182,179	8	171,852	8	161,499	8	150,419	8	135,501	8	120,548	8	105,599	8	90,623	
1/4	1/4	192,181	1/4	181,964	1/4	171,637	1/4	161,283	1/4	150,109	1/4	135,189	1/4	120,237	1/4	105,287	1/4	90,311	
1/2	1/2	191,982	1/2	181,749	1/2	171,421	1/2	161,067	1/2	149,798	1/2	134,878	1/2	119,925	1/2	104,975	1/2	89,999	
3/4	3/4	191,783	3/4	181,534	3/4	171,206	3/4	160,852	3/4	149,488	3/4	134,566	3/4	119,614	3/4	104,663	3/4	89,687	
9	9	191,584	9	181,319	9	170,991	9	160,636	9	149,177	9	134,255	9	119,303	9	104,351	9	89,375	
1/4	1/4	191,371	1/4	181,103	1/4	170,776	1/4	160,420	1/4	148,867	1/4	133,943	1/4	118,991	1/4	104,039	1/4	89,065	
1/2	1/2	191,158	1/2	180,888	1/2	170,560	1/2	160,204	1/2	148,557	1/2	133,632	1/2	118,680	1/2	103,727	1/2	88,754	
3/4	3/4	190,946	3/4	180,673	3/4	170,345	3/4	159,989	3/4	148,246	3/4	133,320	3/4	118,369	3/4	103,415	3/4	88,443	
10	10	190,733	10	180,458	10	170,130	10	159,773	10	147,936	10	133,009	10	118,058	10	103,103	10	88,132	
1/4	1/4	190,519	1/4	180,243	1/4	169,914	1/4	159,557	1/4	147,626	1/4	132,697	1/4	117,746	1/4	102,791	1/4	87,823	
1/2	1/2	190,306	1/2	180,028	1/2	169,698	1/2	159,341	1/2	147,316	1/2	132,386	1/2	117,435	1/2	102,479	1/2	87,514	
3/4	3/4	190,092	3/4	179,813	3/4	169,482	3/4	159,126	3/4	147,005	3/4	132,074	3/4	117,124	3/4	102,167	3/4	87,205	
11	11	189,879	11	179,597	11	169,267	11	158,910	11	146,695	11	131,763	11	116,813	11	101,855	11	86,896	
1/4	1/4	189,665	1/4	179,382	1/4	169,051	1/4	158,694	1/4	146,386	1/4	131,451	1/4	116,501	1/4	101,543	1/4	86,587	
1/2	1/2	189,452	1/2	179,167	1/2	168,835	1/2	158,478	1/2	146,076	1/2	131,140	1/2	116,190	1/2	101,231	1/2	86,278	
3/4	3/4	189,238	3/4	178,952	3/4	168,619	3/4	158,263	3/4	145,767	3/4	130,828	3/4	115,879	3/4	100,919	3/4	85,968	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 2.7.  
 CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL.  
 CAPACITY TABLE EXTENDS TO EXTREME HEIGHT OF TANK.  
 CAPACITY TABLE ONLY APPLIES TO ULLAGE GAUGES TAKEN TO TOP LIP OF "HERMETIC" VALVE.  
 GAUGE POINT: (HERMETIC) LOCATED 12'-06" OFF CENTERLINE AND 42'-06" FORWARD OF AFT BULKHEAD.

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

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



# BARGE "CTC 29149"

## 3 STBD ULLAGE TABLE

CAPACITIES GIVEN IN WHOLE GALLONS

FORMERLY "NGL 3024"

GAUGE HEIGHT 15'-09"

IN	10 FT.	IN	11 FT.	IN	12 FT.	IN	13 FT.	IN	14 FT.	IN	15 FT.	IN	16 FT.	IN	17 FT.	IN	18 FT.	IN	19 FT.
0	85,659	0	70,798	0	56,088	0	41,368	0	26,398	0	11,421	0		0		0		0	
1/4	85,350	1/4	70,486	1/4	55,787	1/4	41,057	1/4	26,086	1/4	11,109	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	85,041	1/2	70,175	1/2	55,487	1/2	40,745	1/2	25,774	1/2	10,797	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	84,732	3/4	69,863	3/4	55,186	3/4	40,434	3/4	25,462	3/4	10,485	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
1	84,423	1	69,551	1	54,885	1	40,122	1	25,150	1	10,173	1	1	1	1	1	1	1	1
1/4	84,114	1/4	69,239	1/4	54,584	1/4	39,811	1/4	24,838	1/4	9,861	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	83,805	1/2	68,927	1/2	54,283	1/2	39,499	1/2	24,525	1/2	9,549	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	83,496	3/4	68,616	3/4	53,982	3/4	39,188	3/4	24,213	3/4	9,237	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
2	83,187	2	68,304	2	53,681	2	38,876	2	23,901	2	8,925	2	2	2	2	2	2	2	2
1/4	82,878	1/4	67,992	1/4	53,380	1/4	38,565	1/4	23,589	1/4	8,613	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	82,569	1/2	67,680	1/2	53,080	1/2	38,253	1/2	23,277	1/2	8,301	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	82,260	3/4	67,369	3/4	52,779	3/4	37,942	3/4	22,965	3/4	7,989	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
3	81,951	3	67,057	3	52,478	3	37,630	3	22,653	3	7,676	3	3	3	3	3	3	3	3
1/4	81,642	1/4	66,745	1/4	52,177	1/4	37,319	1/4	22,341	1/4	7,364	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	81,333	1/2	66,434	1/2	51,876	1/2	37,007	1/2	22,029	1/2	7,052	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	81,023	3/4	66,122	3/4	51,575	3/4	36,695	3/4	21,717	3/4	6,739	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
4	80,714	4	65,810	4	51,274	4	36,383	4	21,405	4	6,427	4	4	4	4	4	4	4	4
1/4	80,405	1/4	65,498	1/4	50,973	1/4	36,071	1/4	21,093	1/4	6,115	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	80,096	1/2	65,187	1/2	50,671	1/2	35,759	1/2	20,781	1/2	5,802	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	79,787	3/4	64,875	3/4	50,370	3/4	35,447	3/4	20,470	3/4	5,490	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
5	79,478	5	64,563	5	50,068	5	35,135	5	20,158	5	5,177	5	5	5	5	5	5	5	5
1/4	79,169	1/4	64,254	1/4	49,762	1/4	34,823	1/4	19,846	1/4	4,865	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	78,860	1/2	63,945	1/2	49,456	1/2	34,511	1/2	19,534	1/2	4,552	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	78,551	3/4	63,635	3/4	49,150	3/4	34,199	3/4	19,222	3/4	4,240	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
6	78,242	6	63,326	6	48,844	6	33,887	6	18,910	6	3,928	6	6	6	6	6	6	6	6
1/4	77,933	1/4	63,022	1/4	48,532	1/4	33,575	1/4	18,598	1/4	3,616	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	77,624	1/2	62,718	1/2	48,220	1/2	33,263	1/2	18,286	1/2	3,304	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	77,315	3/4	62,414	3/4	47,909	3/4	32,951	3/4	17,974	3/4	2,993	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
7	77,006	7	62,111	7	47,597	7	32,639	7	17,662	7	2,681	7	7	7	7	7	7	7	7
1/4	76,697	1/4	61,808	1/4	47,286	1/4	32,327	1/4	17,350	1/4	2,389	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	76,388	1/2	61,506	1/2	46,974	1/2	32,015	1/2	17,038	1/2	2,097	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	76,078	3/4	61,204	3/4	46,663	3/4	31,703	3/4	16,726	3/4	1,805	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
8	75,769	8	60,902	8	46,351	8	31,390	8	16,414	8	1,513	8	8	8	8	8	8	8	8
1/4	75,460	1/4	60,601	1/4	46,040	1/4	31,078	1/4	16,102	1/4	1,292	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	75,151	1/2	60,301	1/2	45,729	1/2	30,766	1/2	15,790	1/2	1,070	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	74,842	3/4	60,000	3/4	45,417	3/4	30,454	3/4	15,478	3/4	849	3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
9	74,533	9	59,699	9	45,106	9	30,142	9	15,166	9	628	9	9	9	9	9	9	9	9
1/4	74,223	1/4	59,398	1/4	44,794	1/4	29,830	1/4	14,854	1/4		1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	73,913	1/2	59,097	1/2	44,483	1/2	29,518	1/2	14,542	1/2		1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	73,603	3/4	58,796	3/4	44,171	3/4	29,206	3/4	14,230	3/4		3/4	3/4	3/4	3/4	3/4	3/4	3/4	3/4
10	73,293	10	58,495	10	43,860	10	28,894	10	13,918	10	10	10	10	10	10	10	10	10	10
1/4	72,981	1/4	58,194	1/4	43,548	1/4	28,582	1/4	13,606	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	72,669	1/2	57,894	1/2	43,237	1/2	28,270	1/2	13,294	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	72,357	3/4	57,593	3/4	42,925	3/4	27,958	3/4	12,981	3/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
11	72,045	11	57,292	11	42,614	11	27,646	11	12,669	11	11	11	11	11	11	11	11	11	11
1/4	71,734	1/4	56,991	1/4	42,302	1/4	27,334	1/4	12,357	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4	1/4
1/2	71,422	1/2	56,690	1/2	41,991	1/2	27,022	1/2	12,045	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
3/4	71,110	3/4	56,389	3/4	41,680	3/4	26,710	3/4	11,733	3/4	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

STRAPPED: 05/22/2019 CL  
CALCULATED: 05/23/2019 CL  
NAME CHANGE: 03/22/2023 JS

PRECISION MEASUREMENT  
& ANALYSIS, INC.

P.O. Box 2092  
Pearland, Texas 77588

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