

CARGO TRANSFER PROCEDURES FMT 2054

APPENDIX B: STRAPPING TABLES



BARGE "FMT 2054"

PORT HORIZONTAL INNGAGE TABLE BERGAN GAUGE

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS

NO.	0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0	0	187.57	0	524.66	0	948.38	0	1436.48	0	1969.43	0	2535.90	0	3125.07	0	3727.53	0	4334.36	
1	1	1	193.47	1	533.79	1	958.00	1	1447.17	1	1981.01	1	2560.08	1	3167.59	1	3780.16	1	4396.99	
2	2	2	199.37	2	540.91	2	966.62	2	1457.89	2	2004.06	2	2572.17	2	3182.44	2	3800.11	2	4414.32	
3	3	3	205.27	3	548.03	3	975.16	3	1468.80	3	2027.58	3	2584.26	3	3208.73	3	3818.85	3	4432.70	
4	4	4	211.18	4	555.16	4	983.85	4	1479.31	4	2051.45	4	2596.39	4	3231.37	4	3837.41	4	4451.31	
5	5	5	217.35	5	562.42	5	992.57	5	1490.11	5	2074.15	5	2608.73	5	3254.88	5	3856.33	5	4470.09	
6	6	6	223.33	6	569.69	6	1001.65	6	1500.90	6	2097.83	6	2621.33	6	3278.80	6	3875.97	6	4489.12	
7	7	7	229.71	7	577.69	7	1013.96	7	1511.69	7	2122.48	7	2634.44	7	3302.31	7	3895.33	7	4508.37	
8	8	8	235.89	8	586.63	8	1026.74	8	1522.98	8	2147.48	8	2648.11	8	3326.80	8	3914.82	8	4527.51	
9	9	9	242.28	9	595.63	9	1039.57	9	1534.35	9	2172.48	9	2662.44	9	3351.34	9	3934.29	9	4547.92	
10	10	10	248.67	10	604.04	10	1052.74	10	1545.71	10	2197.48	10	2677.11	10	3376.34	10	3953.89	10	4568.52	
11	11	11	255.06	11	612.45	11	1065.91	11	1557.08	11	2222.48	11	2692.44	11	3401.34	11	3973.89	11	4589.37	
12	12	12	261.45	12	620.86	12	1079.54	12	1568.95	12	2247.48	12	2708.11	12	3426.80	12	3994.29	12	4610.09	
13	13	13	268.04	13	629.27	13	1093.43	13	1580.91	13	2272.48	13	2724.44	13	3452.34	13	4014.82	13	4631.31	
14	14	14	274.63	14	637.40	14	1107.67	14	1593.98	14	2297.48	14	2741.33	14	3478.34	14	4035.33	14	4652.31	
15	15	15	281.23	15	645.95	15	1122.27	15	1608.08	15	2322.48	15	2758.80	15	3504.34	15	4056.33	15	4673.31	
16	16	16	287.82	16	654.99	16	1137.22	16	1623.43	16	2347.48	16	2776.34	16	3531.34	16	4077.33	16	4694.31	
17	17	17	294.61	17	664.61	17	1152.51	17	1639.43	17	2372.48	17	2794.80	17	3558.80	17	4098.82	17	4715.31	
18	18	18	301.39	18	674.89	18	1168.24	18	1655.91	18	2407.48	18	2813.34	18	3586.34	18	4120.82	18	4736.31	
19	19	19	308.18	19	685.89	19	1184.67	19	1672.98	19	2432.48	19	2833.34	19	3614.80	19	4142.33	19	4757.31	
20	20	20	314.97	20	697.74	20	1201.74	20	1690.67	20	2457.48	20	2854.80	20	3643.34	20	4163.82	20	4778.31	
21	21	21	321.95	21	709.35	21	1219.43	21	1709.08	21	2482.48	21	2876.34	21	3672.80	21	4185.33	21	4799.31	
22	22	22	328.92	22	721.74	22	1238.27	22	1728.22	22	2507.48	22	2898.80	22	3704.80	22	4206.82	22	4820.31	
23	23	23	335.90	23	734.91	23	1258.27	23	1748.22	23	2532.48	23	2921.34	23	3737.34	23	4228.33	23	4841.31	
24	24	24	342.87	24	748.89	24	1279.43	24	1769.43	24	2557.48	24	2944.80	24	3770.80	24	4250.82	24	4862.31	
25	25	25	350.03	25	763.69	25	1301.86	25	1791.91	25	2582.48	25	2968.34	25	3804.80	25	4273.33	25	4883.31	
26	26	26	357.19	26	778.31	26	1325.57	26	1815.71	26	2611.48	26	2992.80	26	3838.80	26	4296.82	26	4904.31	
27	27	27	364.34	27	793.79	27	1350.67	27	1840.91	27	2635.48	27	3017.34	27	3873.80	27	4320.82	27	4925.31	
28	28	28	371.50	28	809.14	28	1377.27	28	1867.67	28	2660.48	28	3042.80	28	3908.80	28	4345.82	28	4946.31	
29	29	29	378.63	29	825.36	29	1405.57	29	1895.91	29	2686.48	29	3068.80	29	3944.80	29	4371.33	29	4967.31	
30	30	30	386.16	30	842.45	30	1435.74	30	1925.91	30	2713.48	30	3095.80	30	3981.34	30	4407.82	30	4988.31	
31	31	31	393.49	31	860.41	31	1467.27	31	1957.67	31	2741.48	31	3123.34	31	4018.80	31	4434.82	31	5009.31	
32	32	32	401.16	32	879.24	32	1500.27	32	1991.08	32	2770.48	32	3152.80	32	4050.80	32	4462.33	32	5030.31	
33	33	33	409.14	33	898.95	33	1534.74	33	2026.22	33	2800.48	33	3182.80	33	4082.80	33	4490.82	33	5051.31	
34	34	34	417.41	34	919.54	34	1570.74	34	2063.91	34	2831.48	34	3213.80	34	4115.80	34	4520.82	34	5072.31	
35	35	35	425.99	35	941.01	35	1608.27	35	2104.22	35	2863.48	35	3245.80	35	4148.80	35	4551.33	35	5093.31	
36	36	36	434.82	36	963.36	36	1647.43	36	2147.43	36	2906.48	36	3278.80	36	4182.80	36	4582.33	36	5114.31	
37	37	37	443.91	37	986.59	37	1688.27	37	2193.91	37	2950.48	37	3312.80	37	4217.80	37	4614.33	37	5135.31	
38	38	38	453.26	38	1010.74	38	1730.74	38	2243.91	38	2996.48	38	3347.80	38	4253.80	38	4646.82	38	5156.31	
39	39	39	462.87	39	1035.86	39	1774.74	39	2297.43	39	3044.48	39	3383.80	39	4290.80	39	4679.82	39	5177.31	
40	40	40	472.74	40	1061.91	40	1820.74	40	2351.43	40	3093.48	40	3420.80	40	4328.80	40	4712.33	40	5198.31	
41	41	41	482.86	41	1088.91	41	1869.74	41	2408.91	41	3144.48	41	3458.80	41	4361.80	41	4745.82	41	5219.31	
42	42	42	493.14	42	1116.86	42	1921.74	42	2469.91	42	3197.48	42	3497.80	42	4395.80	42	4778.82	42	5240.31	
43	43	43	503.69	43	1145.74	43	1977.74	43	2534.43	43	3252.48	43	3537.80	43	4429.80	43	4811.33	43	5261.31	
44	44	44	514.41	44	1175.57	44	2036.74	44	2603.91	44	3308.48	44	3578.80	44	4463.80	44	4844.82	44	5282.31	
45	45	45	525.31	45	1206.46	45	2100.74	45	2676.91	45	3366.48	45	3620.80	45	4498.80	45	4878.82	45	5303.31	
46	46	46	536.39	46	1238.41	46	2169.74	46	2753.91	46	3421.48	46	3663.80	46	4534.80	46	4914.82	46	5324.31	
47	47	47	547.66	47	1271.41	47	2242.74	47	2835.91	47	3478.48	47	3707.80	47	4571.80	47	4951.82	47	5345.31	
48	48	48	559.14	48	1305.46	48	2320.74	48	2922.91	48	3536.48	48	3752.80	48	4608.80	48	4988.82	48	5366.31	
49	49	49	570.81	49	1340.46	49	2404.74	49	3015.91	49	3596.48	49	3808.80	49	4646.80	49	5025.82	49	5387.31	
50	50	50	582.66	50	1376.51	50	2494.74	50	3114.91	50	3663.48	50	3860.80	50	4685.80	50	5063.82	50	5408.31	

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPPS CHAPTER 22E
CAPACITY TABLE ONLY APPLIES TO EXTREME HEIGHTS ON EVEN KEEL
CAPACITY TABLE ONLY APPLIES TO TONNAGE GAUGES
CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY

SHEET NO. 1 OF 4

PRECISION MEASUREMENT
& ANALYSIS, INC.
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http://www.pma.com.net

CARGO TRANSFER PROCEDURES FMT 2054



BARGE "FMT 2054"

PORT HORIZONTAL INNAGE TABLE BERGANG GAUGE

CAPACITIES GIVEN IN BARRELS OR 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.			
IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT	IN	OUT		
0	4,936.83	0	5,526.00	0	6,092.80	0	6,636.44	0	7,112.51	0	7,537.23	0	7,914.55	0	8,263.05	0	8,586.00	0	8,897.72	0	9,198.80	0	9,489.26
1	4,961.89	1	5,550.10	1	6,113.33	1	6,646.71	1	7,151.53	1	7,635.18	1	8,097.16	1	8,541.16	1	8,971.72	1	9,387.44	1	9,788.80	1	10,175.96
2	4,986.56	2	5,574.21	2	6,138.29	2	6,671.94	2	7,187.86	2	7,659.84	2	8,119.96	2	8,569.84	2	9,004.16	2	9,418.48	2	9,817.28	2	10,200.56
3	5,011.37	3	5,598.23	3	6,165.06	3	6,700.08	3	7,211.19	3	7,699.64	3	8,167.52	3	8,623.28	3	9,063.44	3	9,484.48	3	9,892.00	3	10,284.08
4	5,036.19	4	5,624.22	4	6,191.21	4	6,726.66	4	7,234.48	4	7,716.16	4	8,181.84	4	8,635.84	4	9,074.72	4	9,494.16	4	9,898.80	4	10,286.56
5	5,060.96	5	5,648.57	5	6,216.55	5	6,751.13	5	7,257.82	5	7,737.82	5	8,199.84	5	8,654.48	5	9,088.16	5	9,496.16	5	9,895.20	5	10,282.56
6	5,085.72	6	5,670.12	6	6,240.52	6	6,776.84	6	7,262.02	6	7,737.82	6	8,199.84	6	8,654.48	6	9,088.16	6	9,496.16	6	9,895.20	6	10,282.56
7	5,110.43	7	5,693.05	7	6,264.97	7	6,803.90	7	7,283.82	7	7,748.82	7	8,209.84	7	8,663.28	7	9,095.84	7	9,502.16	7	9,900.00	7	10,284.08
8	5,135.15	8	5,717.82	8	6,289.52	8	6,833.22	8	7,298.22	8	7,763.22	8	8,219.84	8	8,672.48	8	9,103.84	8	9,510.16	8	9,908.00	8	10,286.56
9	5,159.80	9	5,741.58	9	6,308.00	9	6,852.50	9	7,298.22	9	7,763.22	9	8,219.84	9	8,672.48	9	9,103.84	9	9,510.16	9	9,908.00	9	10,286.56
10	5,184.26	10	5,765.34	10	6,330.37	10	6,876.00	10	7,307.14	10	7,772.14	10	8,228.84	10	8,683.28	10	9,114.84	10	9,520.16	10	9,918.00	10	10,294.08
11	5,209.09	11	5,789.01	11	6,341.52	11	6,885.21	11	7,316.07	11	7,781.07	11	8,239.84	11	8,690.28	11	9,121.84	11	9,527.16	11	9,925.00	11	10,296.08
12	5,221.33	12	5,800.84	12	6,352.67	12	6,895.42	12	7,323.93	12	7,789.93	12	8,248.84	12	8,699.28	12	9,131.84	12	9,537.16	12	9,930.00	12	10,302.08
13	5,245.91	13	5,824.46	13	6,374.90	13	6,885.74	13	7,342.74	13	7,801.74	13	8,259.84	13	8,709.28	13	9,141.84	13	9,548.16	13	9,945.00	13	10,308.08
14	5,268.18	14	5,848.03	14	6,397.06	14	6,905.97	14	7,356.35	14	7,810.35	14	8,269.84	14	8,717.28	14	9,153.84	14	9,556.16	14	9,952.00	14	10,314.08
15	5,290.71	15	5,871.55	15	6,408.14	15	6,926.10	15	7,377.83	15	7,823.83	15	8,281.84	15	8,728.28	15	9,165.84	15	9,564.16	15	9,960.00	15	10,320.08
16	5,312.42	16	5,895.02	16	6,431.18	16	6,946.14	16	7,395.18	16	7,842.18	16	8,295.84	16	8,741.28	16	9,179.84	16	9,572.16	16	9,968.00	16	10,326.08
17	5,331.65	17	5,906.75	17	6,452.19	17	6,966.16	17	7,403.86	17	7,859.86	17	8,309.84	17	8,757.28	17	9,191.84	17	9,584.16	17	9,975.00	17	10,332.08
18	5,343.83	18	5,918.44	18	6,463.13	18	6,986.09	18	7,412.40	18	7,870.40	18	8,319.84	18	8,765.28	18	9,203.84	18	9,596.16	18	9,982.00	18	10,338.08
19	5,356.03	19	5,930.12	19	6,474.07	19	6,976.01	19	7,420.95	19	7,879.95	19	8,328.84	19	8,774.28	19	9,213.84	19	9,608.16	19	9,990.00	19	10,344.08
20	5,368.26	20	5,941.81	20	6,485.01	20	6,985.93	20	7,429.49	20	7,889.49	20	8,337.84	20	8,779.28	20	9,223.84	20	9,618.16	20	10,000.00	20	10,350.08
21	5,380.46	21	5,953.49	21	6,495.95	21	6,995.86	21	7,438.04	21	7,898.04	21	8,346.84	21	8,788.28	21	9,233.84	21	9,628.16	21	10,010.00	21	10,356.08
22	5,392.62	22	5,965.12	22	6,506.81	22	7,005.68	22	7,446.44	22	7,906.44	22	8,355.84	22	8,797.28	22	9,243.84	22	9,638.16	22	10,020.00	22	10,362.08
23	5,404.79	23	5,976.73	23	6,517.68	23	7,015.51	23	7,454.84	23	7,914.84	23	8,364.84	23	8,807.28	23	9,253.84	23	9,648.16	23	10,030.00	23	10,368.08
24	5,416.99	24	5,988.38	24	6,528.55	24	7,025.33	24	7,463.26	24	7,923.26	24	8,373.84	24	8,816.28	24	9,263.84	24	9,658.16	24	10,040.00	24	10,374.08
25	5,429.12	25	6,000.01	25	6,539.41	25	7,035.15	25	7,471.67	25	7,931.67	25	8,382.84	25	8,825.28	25	9,273.84	25	9,668.16	25	10,050.00	25	10,380.08
26	5,441.25	26	6,011.59	26	6,550.21	26	7,044.88	26	7,479.94	26	7,939.94	26	8,391.84	26	8,834.28	26	9,283.84	26	9,678.16	26	10,060.00	26	10,386.08
27	5,453.38	27	6,023.17	27	6,561.06	27	7,054.60	27	7,488.20	27	7,948.20	27	8,400.84	27	8,843.28	27	9,293.84	27	9,688.16	27	10,070.00	27	10,392.08
28	5,465.51	28	6,034.74	28	6,571.79	28	7,064.32	28	7,496.47	28	7,956.47	28	8,410.84	28	8,852.28	28	9,303.84	28	9,698.16	28	10,080.00	28	10,398.08
29	5,477.63	29	6,046.32	29	6,582.38	29	7,074.04	29	7,504.74	29	7,964.74	29	8,419.84	29	8,861.28	29	9,313.84	29	9,708.16	29	10,090.00	29	10,404.08
30	5,489.73	30	6,057.84	30	6,593.29	30	7,083.66	30	7,512.86	30	7,972.86	30	8,428.84	30	8,870.28	30	9,323.84	30	9,718.16	30	10,100.00	30	10,410.08
31	5,501.82	31	6,069.36	31	6,604.01	31	7,093.26	31	7,520.99	31	7,981.11	31	8,437.84	31	8,879.28	31	9,333.84	31	9,728.16	31	10,110.00	31	10,416.08
32	5,513.91	32	6,080.88	32	6,614.72	32	7,102.90	32	7,529.11	32	7,989.11	32	8,446.84	32	8,888.28	32	9,343.84	32	9,738.16	32	10,120.00	32	10,422.08

STRAPPED: 08/14/2019 JS SW
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 TL
CANCEL S AND SUPPERCEDES
ALL PRIOR TO 08/20/19

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.
PRECISION MEASUREMENT
& ANALYSIS, INC.

Paula Texas 17808
P O Box 2082
http://www.pma.com.net

CARGO TRANSFER PROCEDURES FMT 2054



BARGE "FMT 2054"

**STBD
HORIZONTAL
INNAUGE TABLE
BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OR 42 U.S. GALLONS

0 FT.		1 FT.		2 FT.		3 FT.		4 FT.		5 FT.		6 FT.		7 FT.		8 FT.		9 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	0.17	0	187.58	0	523.71	0	949.51	0	1436.72	0	1968.67	0	2536.43	0	3125.78	0	3728.42	0	4335.44
1/2	1.31	1/2	193.48	1/2	532.84	1/2	958.13	1/2	1447.42	1/2	1982.40	1/2	2556.52	1/2	3148.24	1/2	3755.06	1/2	4361.87
1	2.45	1	199.38	1	540.96	1	968.15	1	1458.13	1	1992.92	1	2566.62	1	3159.70	1	3765.99	1	4375.99
3/4	3.59	3/4	205.28	3/4	548.09	3/4	978.37	3/4	1468.83	3/4	2004.44	3/4	2576.72	3/4	3171.66	3/4	3778.92	3/4	4389.92
1	4.73	1	211.19	1	557.21	1	987.99	1	1479.57	1	2015.97	1	2587.81	1	3184.57	1	3791.96	1	4403.85
1 1/4	5.87	1 1/4	217.36	1 1/4	565.48	1 1/4	997.72	1 1/4	1490.36	1 1/4	2027.55	1 1/4	2599.44	1 1/4	3198.10	1 1/4	3804.24	1 1/4	4417.78
1 1/2	6.99	1 1/2	223.54	1 1/2	573.75	1 1/2	1007.44	1 1/2	1501.16	1 1/2	2039.13	1 1/2	2611.68	1 1/2	3210.58	1 1/2	3816.88	1 1/2	4431.78
1 3/4	8.11	1 3/4	229.72	1 3/4	582.02	1 3/4	1017.16	1 3/4	1511.95	1 3/4	2050.71	1 3/4	2624.21	1 3/4	3223.06	1 3/4	3829.52	1 3/4	4445.78
2	13.09	2	235.90	2	590.29	2	1026.89	2	1522.74	2	2062.29	2	2637.34	2	3235.54	2	3842.17	2	4459.78
2 1/4	15.79	2 1/4	242.29	2 1/4	598.70	2 1/4	1036.71	2 1/4	1533.61	2 1/4	2073.92	2 1/4	2650.41	2 1/4	3248.04	2 1/4	3854.82	2 1/4	4473.78
2 1/2	18.49	2 1/2	248.68	2 1/2	607.11	2 1/2	1046.54	2 1/2	1544.48	2 1/2	2085.55	2 1/2	2663.55	2 1/2	3260.55	2 1/2	3867.46	2 1/2	4487.78
3	23.90	3	255.07	3	615.52	3	1056.37	3	1555.35	3	2097.19	3	2676.68	3	3273.05	3	3880.11	3	4501.78
3 1/4	27.10	3 1/4	261.46	3 1/4	623.93	3 1/4	1066.19	3 1/4	1566.22	3 1/4	2108.82	3 1/4	2689.85	3 1/4	3285.55	3 1/4	3892.71	3 1/4	4515.78
3 1/2	30.30	3 1/2	268.06	3 1/2	632.47	3 1/2	1076.12	3 1/2	1577.16	3 1/2	2120.51	3 1/2	2702.72	3 1/2	3298.04	3 1/2	3905.41	3 1/2	4529.78
3 3/4	33.49	3 3/4	274.65	3 3/4	641.02	3 3/4	1086.04	3 3/4	1588.11	3 3/4	2132.20	3 3/4	2715.88	3 3/4	3311.11	3 3/4	3918.06	3 3/4	4543.78
4	36.69	4	281.84	4	649.56	4	1095.97	4	1599.05	4	2143.88	4	2729.07	4	3323.61	4	3930.71	4	4557.78
4 1/4	40.31	4 1/4	289.63	4 1/4	658.11	4 1/4	1105.90	4 1/4	1610.99	4 1/4	2155.57	4 1/4	2742.21	4 1/4	3336.11	4 1/4	3943.36	4 1/4	4571.78
4 1/2	43.93	4 1/2	297.41	4 1/2	666.79	4 1/2	1115.92	4 1/2	1623.01	4 1/2	2167.31	4 1/2	2755.81	4 1/2	3348.61	4 1/2	3956.01	4 1/2	4585.78
4 3/4	47.56	4 3/4	305.20	4 3/4	675.47	4 3/4	1125.94	4 3/4	1635.02	4 3/4	2179.05	4 3/4	2769.55	4 3/4	3361.11	4 3/4	3968.66	4 3/4	4599.78
5	51.18	5	314.99	5	684.14	5	1135.96	5	1647.04	5	2190.79	5	2783.29	5	3373.61	5	3981.31	5	4613.78
5 1/4	55.18	5 1/4	321.97	5 1/4	701.63	5 1/4	1145.99	5 1/4	1658.13	5 1/4	2202.52	5 1/4	2797.06	5 1/4	3386.11	5 1/4	3994.97	5 1/4	4627.78
5 1/2	59.18	5 1/2	328.95	5 1/2	710.44	5 1/2	1156.22	5 1/2	1669.22	5 1/2	2216.10	5 1/2	2810.83	5 1/2	3398.61	5 1/2	4008.62	5 1/2	4641.78
5 3/4	63.18	5 3/4	335.92	5 3/4	719.24	5 3/4	1166.34	5 3/4	1680.30	5 3/4	2229.89	5 3/4	2824.68	5 3/4	3411.11	5 3/4	4022.27	5 3/4	4655.78
6	67.18	6	342.90	6	728.05	6	1176.45	6	1691.39	6	2243.68	6	2838.57	6	3423.61	6	4035.82	6	4669.78
6 1/4	71.52	6 1/4	350.06	6 1/4	736.98	6 1/4	1186.55	6 1/4	1702.44	6 1/4	2257.55	6 1/4	2852.41	6 1/4	3436.11	6 1/4	4049.37	6 1/4	4683.78
6 1/2	75.86	6 1/2	357.21	6 1/2	745.92	6 1/2	1196.66	6 1/2	1713.54	6 1/2	2271.35	6 1/2	2866.29	6 1/2	3448.61	6 1/2	4062.92	6 1/2	4697.78
6 3/4	80.20	6 3/4	364.37	6 3/4	754.85	6 3/4	1206.87	6 3/4	1724.63	6 3/4	2285.18	6 3/4	2880.17	6 3/4	3461.11	6 3/4	4076.47	6 3/4	4711.78
7	84.54	7	371.53	7	763.78	7	1221.29	7	1735.72	7	2299.02	7	2894.06	7	3473.61	7	4089.97	7	4725.78
7 1/4	89.15	7 1/4	378.86	7 1/4	772.84	7 1/4	1237.59	7 1/4	1746.81	7 1/4	2308.90	7 1/4	2907.92	7 1/4	3486.11	7 1/4	4103.52	7 1/4	4739.78
7 1/2	93.75	7 1/2	386.19	7 1/2	781.89	7 1/2	1247.89	7 1/2	1757.90	7 1/2	2322.79	7 1/2	2921.81	7 1/2	3498.61	7 1/2	4117.07	7 1/2	4753.78
7 3/4	98.35	7 3/4	393.53	7 3/4	790.95	7 3/4	1258.19	7 3/4	1769.05	7 3/4	2336.67	7 3/4	2935.72	7 3/4	3511.11	7 3/4	4130.57	7 3/4	4767.78
8	102.95	8	400.86	8	800.00	8	1268.49	8	1780.14	8	2344.55	8	2949.63	8	3523.61	8	4143.12	8	4781.78
8 1/4	107.84	8 1/4	408.36	8 1/4	809.17	8 1/4	1278.88	8 1/4	1791.23	8 1/4	2356.48	8 1/4	2963.52	8 1/4	3536.11	8 1/4	4156.67	8 1/4	4795.78
8 1/2	112.74	8 1/2	415.86	8 1/2	818.35	8 1/2	1289.26	8 1/2	1802.32	8 1/2	2368.41	8 1/2	2977.41	8 1/2	3548.61	8 1/2	4169.22	8 1/2	4809.78
8 3/4	117.63	8 3/4	423.36	8 3/4	827.52	8 3/4	1299.65	8 3/4	1813.41	8 3/4	2380.34	8 3/4	2991.30	8 3/4	3561.11	8 3/4	4182.77	8 3/4	4823.78
9	122.52	9	430.86	9	836.70	9	1310.04	9	1824.50	9	2392.27	9	2999.19	9	3573.61	9	4196.27	9	4837.78
9 1/4	127.69	9 1/4	438.53	9 1/4	845.98	9 1/4	1320.51	9 1/4	1835.59	9 1/4	2404.24	9 1/4	3003.08	9 1/4	3586.11	9 1/4	4209.82	9 1/4	4851.78
9 1/2	132.86	9 1/2	446.19	9 1/2	855.27	9 1/2	1330.98	9 1/2	1846.68	9 1/2	2416.21	9 1/2	3016.97	9 1/2	3598.61	9 1/2	4223.37	9 1/2	4865.78
9 3/4	138.03	9 3/4	453.86	9 3/4	864.56	9 3/4	1341.45	9 3/4	1857.77	9 3/4	2428.18	9 3/4	3030.86	9 3/4	3611.11	9 3/4	4236.92	9 3/4	4879.78
10	143.19	10	461.52	10	873.85	10	1351.93	10	1868.86	10	2440.15	10	3044.75	10	3623.61	10	4250.47	10	4893.78
10 1/4	148.62	10 1/4	469.34	10 1/4	883.26	10 1/4	1362.48	10 1/4	1880.95	10 1/4	2452.12	10 1/4	3058.64	10 1/4	3636.11	10 1/4	4264.02	10 1/4	4907.78
10 1/2	154.05	10 1/2	477.16	10 1/2	892.66	10 1/2	1373.01	10 1/2	1893.04	10 1/2	2464.09	10 1/2	3072.53	10 1/2	3648.61	10 1/2	4277.57	10 1/2	4921.78
10 3/4	159.47	10 3/4	484.99	10 3/4	902.06	10 3/4	1383.60	10 3/4	1905.13	10 3/4	2476.06	10 3/4	3086.42	10 3/4	3661.11	10 3/4	4291.12	10 3/4	4935.78
11	164.90	11	492.81	11	911.46	11	1394.15	11	1916.22	11	2488.03	11	3099.31	11	3673.61	11	4304.67	11	4949.78
11 1/4	170.57	11 1/4	500.79	11 1/4	920.98	11 1/4	1404.79	11 1/4	1927.31	11 1/4	2500.04	11 1/4	3113.20	11 1/4	3686.11	11 1/4	4318.22	11 1/4	4963.78
11 1/2	176.24	11 1/2	508.76	11 1/2	930.48	11 1/2	1415.43	11 1/2	1938.40	11 1/2	2511.97	11 1/2	3127.09	11 1/2	3698.61	11 1/2	4331.77	11 1/2	4977.78
11 3/4	181.91	11 3/4	516.74	11 3/4	940.00	11 3/4	1426.06	11 3/4	1949.49	11 3/4	2523.90	11 3/4	3141.08	11 3/4	3711.11	11 3/4	4345.27	11 3/4	4991.78

BARGE STRAPPED AND COMPUTED IN ACCORDANCE WITH MPMS CHAPTER 22E
CAPACITY TABLE ONLY APPLIES WHEN BARGE IS ON EVEN KEEL
CAPACITY TABLE ONLY APPLIES TO INNAUGE GAUGES

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

PRECISION MEASUREMENT
& ANALYSIS, INC.
P. O. Box 2092
Pearland, Texas 77888
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CARGO TRANSFER PROCEDURES

FMT 2054



BARGE "FMT 2054"

**STBD
HORIZONTAL
INLAGE TABLE
BERGAN GAUGE**

CAPACITIES GIVEN IN BARRELS OF 42 U.S. GALLONS		10 FT.		11 FT.		12 FT.		13 FT.		14 FT.		15 FT.		16 FT.		17 FT.		18 FT.		19 FT.	
IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN	IN
0	4,938.08	0	5,527.43	0	6,093.99	0	6,627.16	0	7,114.35	0	7,539.15	0	7,876.50	0	8,065.01	0		0			
1/2	4,950.92	1/2	5,539.48	1/2	6,106.45	1/2	6,640.43	1/2	7,127.86	1/2	7,541.72	1/2	7,882.23	1/2	8,073.52	1/2		1/2			
1	4,975.39	1	5,551.54	1	6,116.92	1	6,648.43	1	7,133.37	1	7,555.10	1	7,897.95	1	8,087.95	1		1			
3/4	4,987.83	3/4	5,563.59	3/4	6,128.38	3/4	6,659.07	3/4	7,142.88	3/4	7,565.07	3/4	7,903.68	3/4	8,093.68	3/4		3/4			
1/4	5,000.24	1/4	5,587.66	1/4	6,151.26	1/4	6,680.72	1/4	7,161.80	1/4	7,578.87	1/4	7,918.87	1/4	8,104.88	1/4		1/4			
1/2	5,012.65	1/2	5,599.68	1/2	6,162.66	1/2	6,690.82	1/2	7,171.20	1/2	7,588.70	1/2	7,929.36	1/2	8,116.56	1/2		1/2			
3/4	5,025.06	3/4	5,611.69	3/4	6,174.07	3/4	6,701.38	3/4	7,180.60	3/4	7,598.92	3/4	7,939.59	3/4	8,128.62	3/4		3/4			
1/4	5,037.48	1/4	5,623.71	1/4	6,185.48	1/4	6,711.93	1/4	7,190.01	1/4	7,602.34	1/4	7,949.33	1/4	8,140.80	1/4		1/4			
1/2	5,049.86	1/2	5,635.68	1/2	6,196.82	1/2	6,722.41	1/2	7,199.30	1/2	7,610.00	1/2	7,958.55	1/2	8,152.56	1/2		1/2			
3/4	5,062.25	3/4	5,647.65	3/4	6,208.17	3/4	6,732.88	3/4	7,208.59	3/4	7,623.35	3/4	7,967.87	3/4	8,164.99	3/4		3/4			
1/4	5,074.64	1/4	5,659.62	1/4	6,219.51	1/4	6,743.35	1/4	7,217.88	1/4	7,633.00	1/4	7,978.87	1/4	8,177.42	1/4		1/4			
1/2	5,087.02	1/2	5,671.59	1/2	6,230.86	1/2	6,753.82	1/2	7,227.17	1/2	7,643.00	1/2	7,989.40	1/2	8,189.84	1/2		1/2			
3/4	5,099.38	3/4	5,683.52	3/4	6,242.14	3/4	6,764.71	3/4	7,236.34	3/4	7,653.00	3/4	7,999.40	3/4	8,201.84	3/4		3/4			
1/4	5,111.74	1/4	5,695.45	1/4	6,253.42	1/4	6,774.60	1/4	7,245.51	1/4	7,663.00	1/4	8,011.84	1/4	8,213.84	1/4		1/4			
1/2	5,124.10	1/2	5,707.38	1/2	6,264.71	1/2	6,784.98	1/2	7,254.69	1/2	7,672.00	1/2	8,023.84	1/2	8,225.84	1/2		1/2			
3/4	5,136.46	3/4	5,719.31	3/4	6,275.99	3/4	6,795.37	3/4	7,263.86	3/4	7,681.00	3/4	8,035.84	3/4	8,237.84	3/4		3/4			
1/4	5,148.79	1/4	5,731.19	1/4	6,287.21	1/4	6,805.67	1/4	7,272.91	1/4	7,690.00	1/4	8,047.84	1/4	8,249.84	1/4		1/4			
1/2	5,161.12	1/2	5,743.07	1/2	6,298.43	1/2	6,815.97	1/2	7,281.97	1/2	7,700.00	1/2	8,059.84	1/2	8,261.84	1/2		1/2			
3/4	5,173.45	3/4	5,754.96	3/4	6,309.65	3/4	6,826.27	3/4	7,291.02	3/4	7,709.00	3/4	8,071.84	3/4	8,273.84	3/4		3/4			
1/4	5,185.79	1/4	5,766.84	1/4	6,320.86	1/4	6,836.57	1/4	7,300.08	1/4	7,719.00	1/4	8,083.84	1/4	8,285.84	1/4		1/4			
1/2	5,198.09	1/2	5,778.68	1/2	6,332.02	1/2	6,846.78	1/2	7,309.01	1/2	7,728.00	1/2	8,095.84	1/2	8,297.84	1/2		1/2			
3/4	5,210.39	3/4	5,790.51	3/4	6,343.17	3/4	6,856.99	3/4	7,317.94	3/4	7,737.00	3/4	8,107.84	3/4	8,309.84	3/4		3/4			
1/4	5,222.69	1/4	5,802.35	1/4	6,354.32	1/4	6,867.20	1/4	7,326.88	1/4	7,746.00	1/4	8,119.84	1/4	8,321.84	1/4		1/4			
1/2	5,234.99	1/2	5,814.18	1/2	6,365.47	1/2	6,877.41	1/2	7,335.81	1/2	7,755.00	1/2	8,131.84	1/2	8,333.84	1/2		1/2			
3/4	5,247.26	3/4	5,825.97	3/4	6,376.56	3/4	6,887.52	3/4	7,344.62	3/4	7,764.00	3/4	8,143.84	3/4	8,345.84	3/4		3/4			
1/4	5,259.53	1/4	5,837.76	1/4	6,387.72	1/4	6,897.64	1/4	7,353.42	1/4	7,773.00	1/4	8,155.84	1/4	8,357.84	1/4		1/4			
1/2	5,271.80	1/2	5,849.55	1/2	6,398.73	1/2	6,907.76	1/2	7,362.23	1/2	7,782.00	1/2	8,167.84	1/2	8,369.84	1/2		1/2			
3/4	5,284.07	3/4	5,861.34	3/4	6,409.81	3/4	6,917.87	3/4	7,371.04	3/4	7,791.00	3/4	8,179.84	3/4	8,381.84	3/4		3/4			
1/4	5,296.31	1/4	5,873.07	1/4	6,420.82	1/4	6,927.90	1/4	7,379.87	1/4	7,800.00	1/4	8,191.84	1/4	8,393.84	1/4		1/4			
1/2	5,308.55	1/2	5,884.81	1/2	6,431.84	1/2	6,937.92	1/2	7,388.39	1/2	7,809.00	1/2	8,203.84	1/2	8,405.84	1/2		1/2			
3/4	5,320.79	3/4	5,896.55	3/4	6,442.85	3/4	6,947.94	3/4	7,397.07	3/4	7,818.00	3/4	8,215.84	3/4	8,417.84	3/4		3/4			
1/4	5,333.03	1/4	5,908.29	1/4	6,453.87	1/4	6,957.96	1/4	7,405.75	1/4	7,827.00	1/4	8,227.84	1/4	8,429.84	1/4		1/4			
1/2	5,345.23	1/2	5,919.98	1/2	6,464.81	1/2	6,967.89	1/2	7,414.30	1/2	7,836.00	1/2	8,239.84	1/2	8,441.84	1/2		1/2			
3/4	5,356.64	3/4	5,931.66	3/4	6,475.75	3/4	6,977.82	3/4	7,422.84	3/4	7,845.00	3/4	8,251.84	3/4	8,453.84	3/4		3/4			
1/4	5,368.34	1/4	5,943.35	1/4	6,486.70	1/4	6,987.74	1/4	7,431.39	1/4	7,854.00	1/4	8,263.84	1/4	8,465.84	1/4		1/4			
1/2	5,381.84	1/2	5,955.04	1/2	6,497.64	1/2	6,997.67	1/2	7,439.93	1/2	7,863.00	1/2	8,275.84	1/2	8,477.84	1/2		1/2			
3/4	5,394.01	3/4	5,966.67	3/4	6,508.51	3/4	7,007.49	3/4	7,448.34	3/4	7,872.00	3/4	8,287.84	3/4	8,489.84	3/4		3/4			
1/4	5,406.18	1/4	5,978.31	1/4	6,519.38	1/4	7,017.32	1/4	7,456.75	1/4	7,881.00	1/4	8,300.84	1/4	8,501.84	1/4		1/4			
1/2	5,418.35	1/2	5,989.94	1/2	6,530.25	1/2	7,027.15	1/2	7,465.16	1/2	7,889.00	1/2	8,312.84	1/2	8,513.84	1/2		1/2			
3/4	5,430.52	3/4	6,001.57	3/4	6,541.12	3/4	7,036.97	3/4	7,473.57	3/4	7,897.00	3/4	8,324.84	3/4	8,525.84	3/4		3/4			
1/4	5,442.65	1/4	6,013.15	1/4	6,551.91	1/4	7,046.70	1/4	7,481.84	1/4	7,906.00	1/4	8,336.84	1/4	8,537.84	1/4		1/4			
1/2	5,454.78	1/2	6,024.73	1/2	6,562.71	1/2	7,056.42	1/2	7,490.11	1/2	7,915.00	1/2	8,348.84	1/2	8,549.84	1/2		1/2			
3/4	5,466.92	3/4	6,036.31	3/4	6,573.50	3/4	7,066.14	3/4	7,498.38	3/4	7,924.00	3/4	8,360.84	3/4	8,561.84	3/4		3/4			
1/4	5,479.05	1/4	6,047.89	1/4	6,584.29	1/4	7,075.87	1/4	7,506.65	1/4	7,933.00	1/4	8,372.84	1/4	8,573.84	1/4		1/4			
1/2	5,491.14	1/2	6,059.42	1/2	6,595.04	1/2	7,085.49	1/2	7,514.77	1/2	7,942.00	1/2	8,384.84	1/2	8,585.84	1/2		1/2			
3/4	5,503.24	3/4	6,070.94	3/4	6,605.73	3/4	7,095.11	3/4	7,522.90	3/4	7,951.00	3/4	8,396.84	3/4	8,597.84	3/4		3/4			
1/4	5,515.33	1/4	6,082.46	1/4	6,616.44	1/4	7,104.73	1/4	7,531.02	1/4	7,960.00	1/4	8,408.84	1/4	8,609.84	1/4		1/4			

STRAPPED: 08/14/2019 JS - SW
CALCULATED: 08/14/2019 CL
PRINTED: 08/14/2019 CL
CANCEL S AND SUPERCEDES
ALL PRIOR TO 08/20/19

SHEET NO. 4 OF 4

CERTIFIED CHART FOR THE ABOVE NAMED TANK ONLY.

Paul R. Korman
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Pearland, Texas 77588
http://www.dnscorp.net

PRECISION MEASUREMENT & ANALYSIS, INC.