

August 11, 2025

## Utility Department Monthly Operating Report Sewer Department

### July 2025 Effluent Monitoring Data

During the operating period of July 2025 there were no exceedances. See performance table below for further details of the regulatory monitoring data, for the month of July 2025.

See updated Flow, TSS and BOD Trend Charts at the end of this report.

### WWTP Monthly Performance Table

Parameters	July	June	May	YTD Low	YTD Hi	YTD	2024	DEP Limit	YTD Exceed-ances
Flow GPD Avg	15555	13273	21656	5927	32564	<b>16796</b>	18995	<b>63,000</b>	0
Precip inches	0.78	2.30	6.46	0.78	4.51	2.37	3.50	n/a	0
TSS lbs/min	3	2.2	2	0.3	3.0	<b>1.53</b>	1.41	< <b>76</b>	0
TSS lbs max	4	2.9	2	1	4.0	<b>2.12</b>	3.56	repor t	0
TSS mg/l ave	29	26	15	8	29	<b>16.28</b>	16.0	< <b>145</b>	0
TSS mg/l max	33	38	21	12	38	<b>22.1</b>	24.0	repor t	0
TSS % removal	91	91	94.8	91	99.7	<b>94.99</b>	93.8	> <b>50</b>	0
BOD lbs/min	11	8	5	2	11	<b>5.56</b>	9.5	< <b>107</b>	0
BOD lbs max	16	11.3	7	5	59	<b>19.6</b>	43.6	repor t	0
BOD mg/l ave	115	95	42	42	122	<b>89.99</b>	164.1	< <b>203</b>	0
BOD mg/l max	126	135	55	55	197	<b>125</b>	232.9	repor t	0
BOD % removal	67	67	85.5	67.0	85.5	<b>70.56</b>	43.5	> <b>30</b>	0
pH low	6.5	6.5	6.2	6.2	6.7	<b>6.5</b>	6.7	> <b>6.0</b>	0
pH high	6.7	6.8	6.7	6.7	7.0	<b>6.9</b>	6.9	< <b>9.0</b>	0
St solids ml/l av	0.1	0.1	0.1	0.07	0.1	<b>0.1</b>	0.1	repor t	0
TRC mg/l max	0.02	0.02	0.03	0.02	0.03	<b>0.03</b>	0.03	< <b>0.3</b>	0
Fecal cfu ave	<4	<4	<4	<4	<4	<4	<4	< <b>14</b>	0
Fecal cfu max	<4	<4	<4	<4	<4	<4	<4	< <b>31</b>	0
Entero cfu ave	8	<4	<4	<4	8	<b>6</b>	<5	< <b>8</b>	0
Entero cfu max	256	<4	<4	<4	256	<b>88</b>	211	< <b>54</b>	0
Hg ng/l ave	n/a	n/a	n/a	n/a	n/a	n/a	3.5	<b>33.4</b>	0
Hg ng/l max	n/a	n/a	n/a	n/a	n/a	n/a	3.5	<b>50.1</b>	0

1. Moore's Septage pumped first 2 tanks on each train April 4<sup>th</sup> 2025
2. Moore's also pumped all tanks on June 27, 2025.
3. Subject to change we have scheduled Oct. 3. as the last scheduled pump out.

1. A new flow recorder was installed, calibrated and recording on April 4, 2025.
2. All permit required public education is complete as of July 12.
3. The Operations & Maintenance Plans update continues.
4. Awaiting Tving report from Dirigo Engineering.

## Drinking Water Department

### July 2025 Production and Water Quality.

Purchased water for the month averaged 54,754 gpd compared to 28,898 gpd for the same month in 2024. *There were two known leaks that have been repaired, one on Park row and an second on Bay Street We are monitoring the daily usage to determine if there are additional leaks.* The weekly free chlorine residual in the drinking water ranged from 0.33 - 0.42 ppm/Cl<sup>2</sup> compared to the recommended goal of >.20 to <1.0 ppm/Cl<sub>2</sub> at the entry point to the distribution system and a detectable residual at the tap. The EPA maximum concentration level (MCL) not to be exceeded for chlorine residual related to human health is 4.0 ppm. The monthly total coliform and e-coli water sample test results were negative.

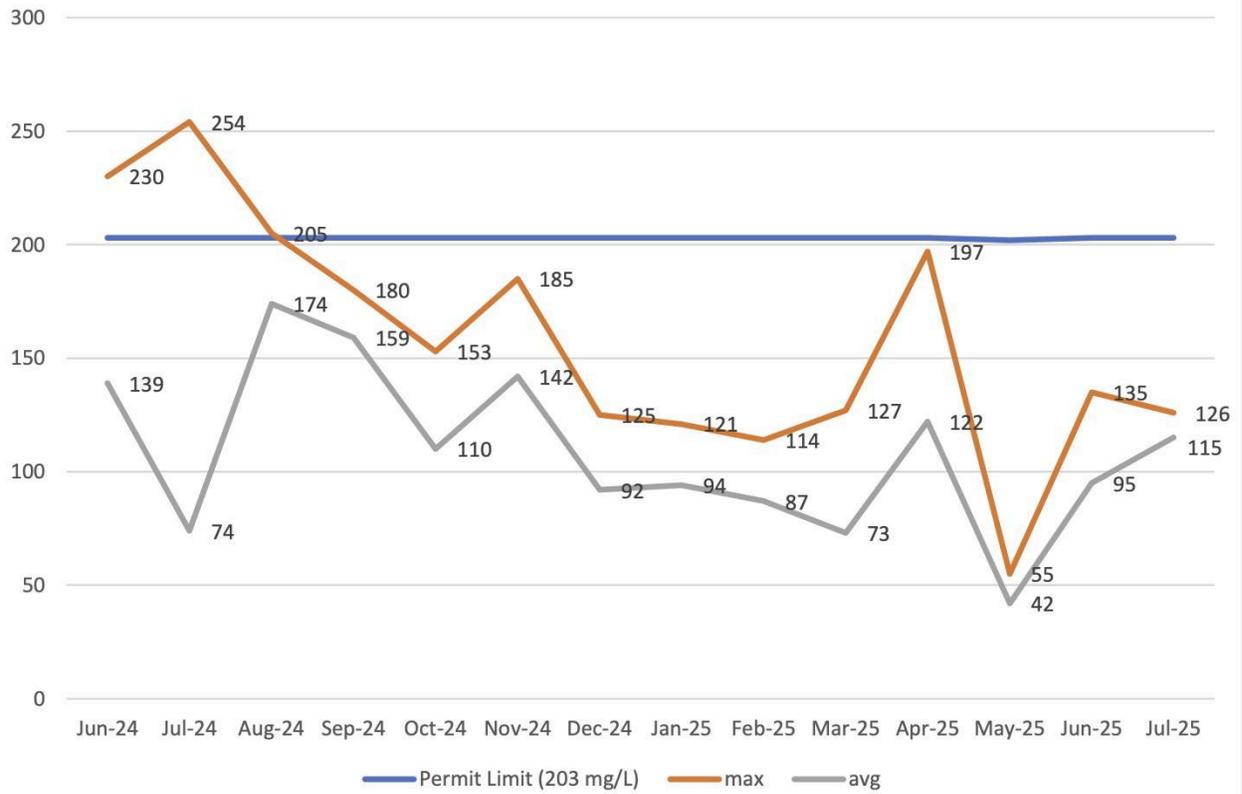
1. Two leaks repaired one on Park Row and one on Bay Street.
2. Lead service line work concluded on Oct. 16, 2024. Progress report due.
3. Follow up on unknown services will need to be conducted.

June 24 - July 2025 Northport Village

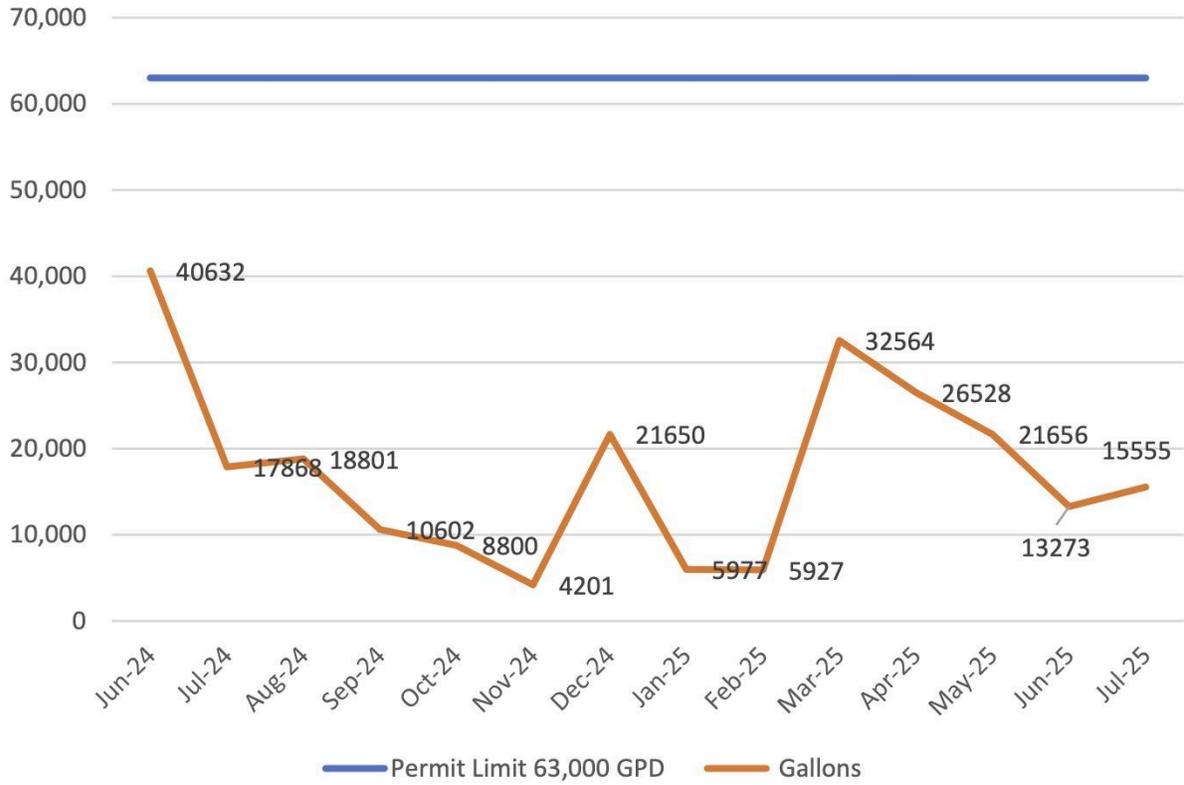
Flow Bod TSS Data

	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25	Jun-25	Jul-25
<b>Flow Avg</b>														
Gals	40632	17868	18801	10602	8800	4201	21650	5977	5927	32564	26528	21656	13273	15555
<b>BOD mg/l</b>														
max	230	254	205	180	153	185	125	121	114	127	197	55	135	126
avg	139	74	174	159	110	142	92	94	87	73	122	42	95	115
<b>TSS mg/l</b>														
max	22	42	64	44	26	27	18	12	15	21	15	21	38	33
avg	15	34	40	36	18	20	13	11	11	10	8	15	26	29

June 2024 - July 2025 BOD (mg/L)



### June 2024 - July 2025 Daily Flow Average



June 2024 - July 2025 TSS (mg/L)

