

June 15, 2025

Utility Department Monthly Operating Report Sewer Department

May 2025 Effluent Monitoring Data

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

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

WWTP Monthly Performance Table

Parameters	May	April	Mar	YTD Low	YTD Hi	YTD	2024	DEP Limit	YTD Exceed- ances
Flow GPD Avg	21656	26528	32564	5927	32564	17749	18995	63,000	0
Precip inches	6.46	4.51	3.92- 4 in snow	1.20	4.51	2.71	3.50	n/a	0
TSS lbs/min	2	1	1	0.3	2	1.1	1.41	<76	0
TSS lbs max	2	2	2	1	2	1.6	3.56	report	0
TSS mg/l ave	15	8	10	8	15	11.8	16.0	<145	0
TSS mg/l max	21	15	21	12	21	16.8	24.0	report	0
TSS % removal	94.8	97.2	96.6	94.8	99.7	96.6	93.8	>50	0
BOD lbs/min	5	5	4	2	5	4	9.5	<107	0
BOD lbs max	7	59	34	5	59	22	43.6	report	0
BOD mg/l ave	42	122	73	42	122	84	164.1	<203	0
BOD mg/l max	55	197	127	55	197	123	232.9	report	0
BOD % removal	85.5	57.9	74.8	68.5	85.5	72	43.5	>30	0
pH low	6.2	6.3	6.7	6.2	6.7	6.5	6.7	>6.0	0
pH high	6.7	6.9	6.9	6.7	7.0	6.9	6.9	<9.0	0
St solids ml/l av	0.1	0.1	0.07	0.07	0.1	0.1	0.1	report	0
TRC mg/l max	0.03	0.03	0.03	0.02	0.03	0.03	0.03	<0.3	0
Fecal cfu ave	<4	<4	<4	<4	<4	<4	<4	<14	0
Fecal cfu max	<4	<4	<4	<4	<4	<4	<4	<31	0
Enterococcus cfu ave	<4	n/a	n/a	n/a	n/a	n/a	<5	<8	0
Enterococcus cfu max	<4	n/a	n/a	n/a	n/a	n/a	211	<54	0
Hg ng/l ave	n/a	n/a	n/a	n/a	n/a	n/a	3.5	33.4	0
Hg ng/l max	n/a	n/a	n/a	n/a	n/a	n/a	3.5	50.1	0

1. Moore's Septage pumped first 2 tanks on each train April 4th 2025, Feb 14, 2024.
2. Moore's will pump all tanks next on June 27, 2025.
3. Subject to change we have scheduled the 3 pump outs for 2025 as recommended in the recently completed Crowley Loading Study for the village. April 4, June 27 and Oct. 3.
4. The flow meter was calibrated on April 4, 2025.

5. **A new flow recorder was installed, calibrated and recording on April 4, 2025.**
6. **Final Permit received from EPA on 2-19-25 Jim Crowley has submitted comments to EPA and MDEP regarding the draft permit. These are all minor in nature spelling etc and factual corrections.**
7. **There is also a public education required of primary waivers that is complete. The public education will also be presented at the Donuts & Dialogue this summer.**
8. **The required certification complying with the Maine Coastal Program has been processed.**
9. **The Operations & Maintenance Plans update continues.**
10. **First MDEP Funding has been drawn down by NVC**
11. **We are working to schedule tv work as part of the project including the outfall inspection**
12. **Research is being conducted on the maximum number of connections for the Village**

Drinking Water Department

May 2025 Production and Water Quality.

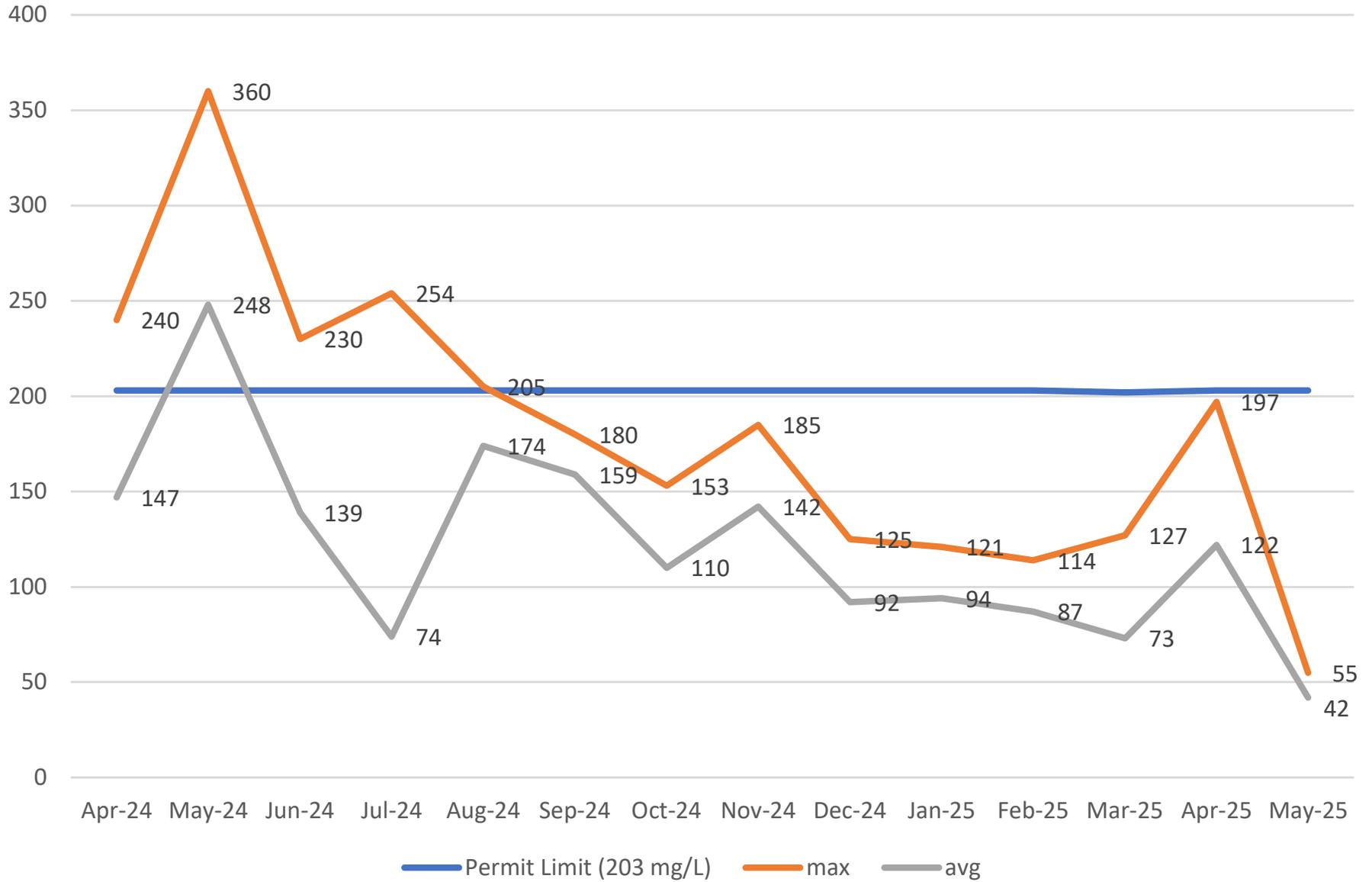
Purchased water for the month averaged 18,924 gpd compared to 13,638 gpd for the same month in 2024. The weekly free chlorine residual in the drinking water ranged from 0.33 - 0.49 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl₂ at the entry point to the distribution system and a detectable 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. **Town of Northport Fire Protection Charges with MPUC and is ongoing.**
2. **Lead service line work concluded on Oct. 16, 2024.**
3. **Follow up on unknown services will need to be conducted**

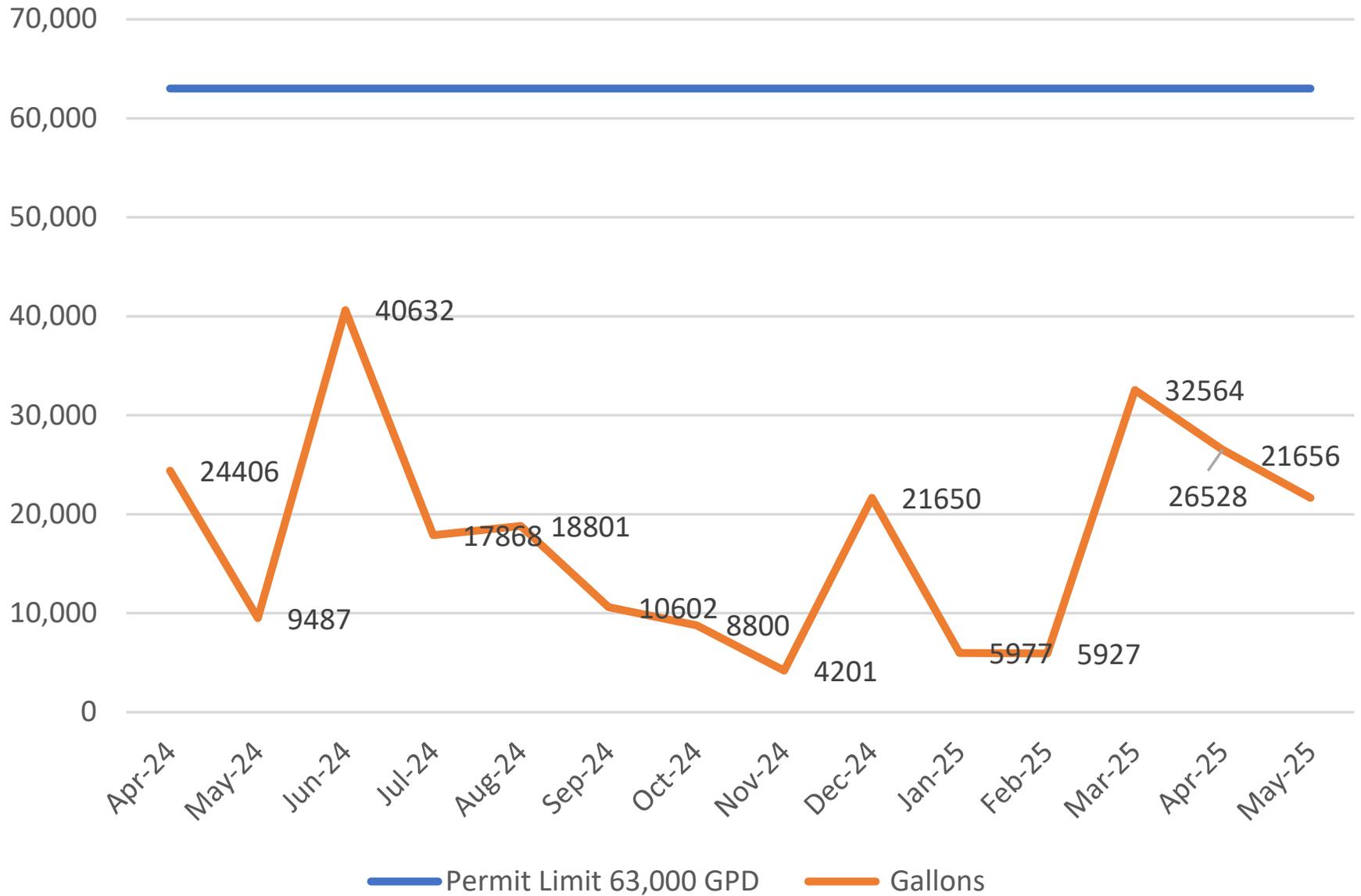
**April 24 - May 2025 Northport Village
Flow Bod TSS Data**

Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25	May-25
40632	17868	18801	10602	8800	4201	21650	5977	5927	32564	26528	21656
230	254	205	180	153	185	125	121	114	127	197	55
139	74	174	159	110	142	92	94	87	73	122	42
22	42	64	44	26	27	18	12	15	21	15	21
15	34	40	36	18	20	13	11	11	10	8	15

April 2024 - May 2025 BOD (mg/L)



April 2024 - May 2025 Daily Flow Average



April 2024 - May 2025 TSS (mg/L)

