

May 11, 2025

Utility Department Monthly Operating Report Sewer Department

April 2025 Effluent Monitoring Data

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

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

WWTP Monthly Performance Table

Parameters	April	Mar.	Feb.	YTD Low	YTD Hi	YTD	2024	DEP Limit	YTD Exceed- ances
Flow GPD Avg	26528	32564	5927	5927	32564	17749	18995	63,000	0
Precip inches	4.51	3.92-4 in snow	0.9 – 22 in snow	1.20	4.51	2.71	3.50	n/a	0
TSS lbs/min	1	1	0.3	0.3	1	0.85	1.41	<76	0
TSS lbs max	2	2	1	1	2	1.5	3.56	report	0
TSS mg/l ave	8	10	14	8	14	11	16.0	<145	0
TSS mg/l max	15	21	15	12	21	15.8	24.0	report	0
TSS % removal	97.2	96.6	95.1	95.1	99.7	97.1	93.8	>50	0
BOD lbs/min	5	4	2	2	5	3.8	9.5	<107	0
BOD lbs max	59	34	5	5	59	26	43.6	report	0
BOD mg/l ave	122	73	87	73	122	94	164.1	<203	0
BOD mg/l max	197	127	114	114	197	140	232.9	report	0
BOD % removal	57.9	74.8	70	68.5	74.8	68	43.5	>30	0
pH low	6.3	6.7	6.7	6.3	6.7	6.6	6.7	>6.0	0
pH high	6.9	6.9	7.0	6.9	7.0	7.0	6.9	<9.0	0
St solids ml/l av	0.1	0.07	0.1	0.07	0.1	0.09	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	n/a	n/a	n/a	n/a	n/a	n/a	<5	<8	0
Enterococcus cfu max	n/a	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. **Work is complete on upgrading the Wet Weather Plan.**
10. **The Operations & Maintenance Plans update is under way.**
11. **First MDEP Funding has been drawn down by NVC, but a correction is needed to properly apply the in kind services work.**

Drinking Water Department

April 2025 Production and Water Quality.

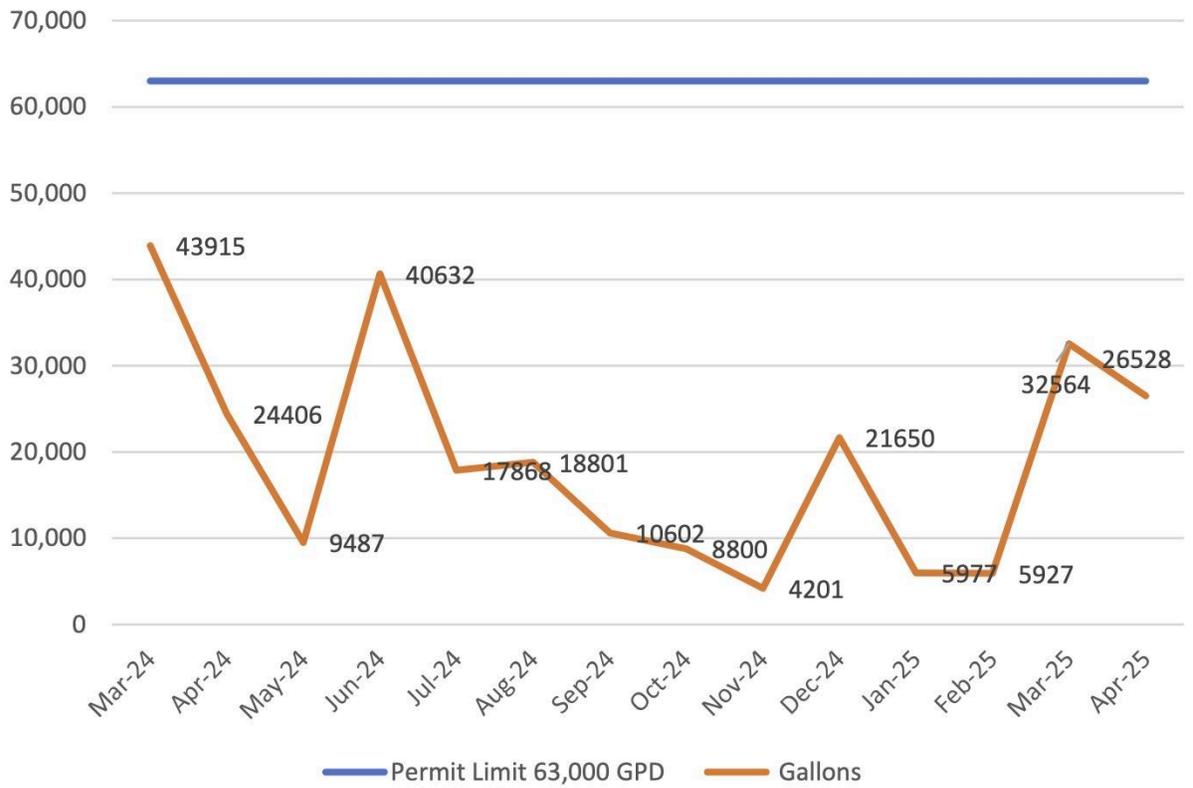
Purchased water for the month averaged 9,264 gpd compared to 11,702 gpd for the same month in 2024. The weekly free chlorine residual in the drinking water ranged from 0.32 - 0.38 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl² at the entry point to the distribution system and a detectable 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. **The new 6 inch meter was installed on Feb. 29th. 2024.**
2. **I followed up with MPUC on Town of Northport Fire Protection Charges and this work is ongoing**
3. **Lead service line work concluded on Oct. 16, 2024.**

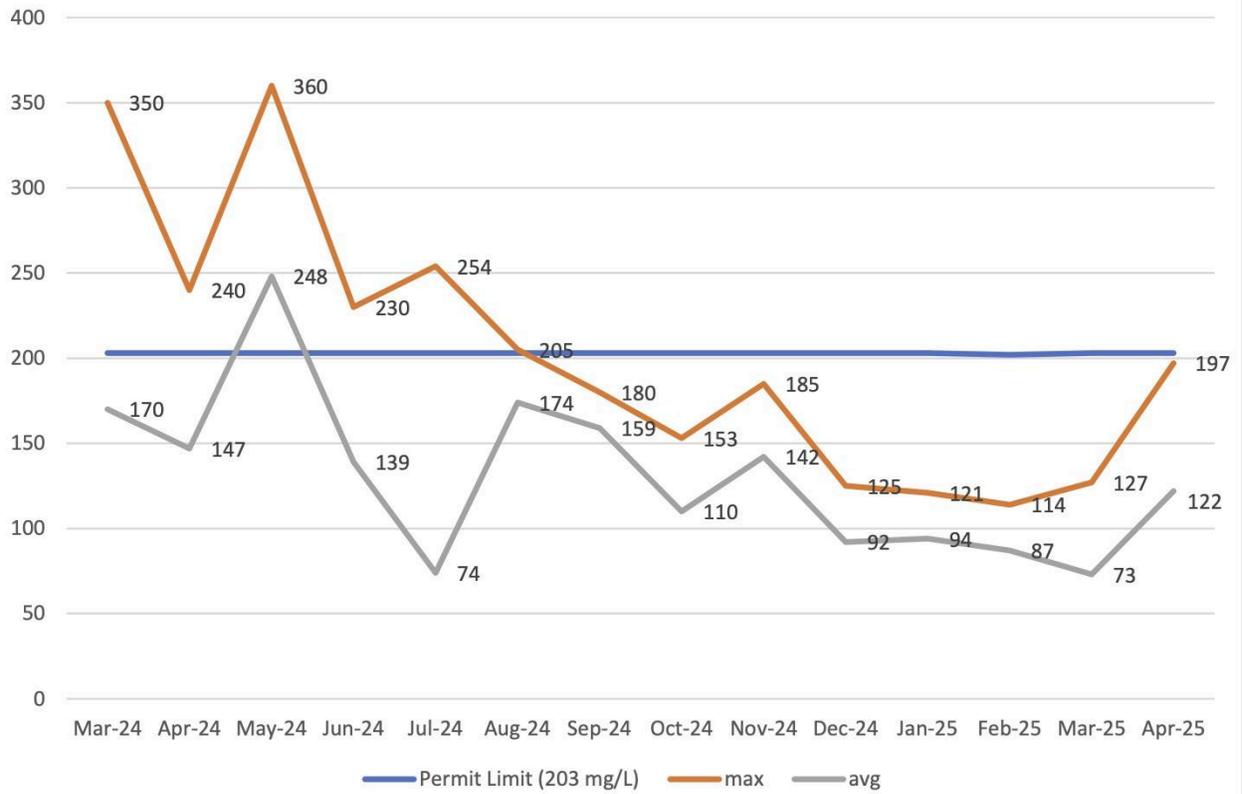
**March 24 - April 2025 Northport Village
Flow Bod TSS Data**

	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	Apr-25
Flow Avg														
Gals	43915	24406	9487	40632	17868	18801	10602	8800	4201	21650	5977	5927	32564	26528
BOD mg/l														
max	350	240	360	230	254	205	180	153	185	125	121	114	127	197
avg	170	147	248	139	74	174	159	110	142	92	94	87	73	122
TSS mg/l														
max	7.7	9.7	13	22	42	64	44	26	27	18	12	15	21	15
avg	6	7.6	16	15	34	40	36	18	20	13	11	11	10	8

March 2024 - April 2025 Daily Flow Average



March 2024 - April 2025 BOD (mg/L)



March 2024 - April 2025 TSS (mg/L)

