

Sept. 15, 2025

Utility Department Monthly Operating Report Sewer Department

August 2025 Effluent Monitoring Data

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

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

WWTP Monthly Performance Table

| Parameters | August | July | June | YTD Low | YTD Hi | YTD | 2024 | DEP Limit | YTD Exceed- ances |
|----------------------|--------|-------|-------|---------|------------|---------------|--------------|----------------|----------------------|
| Flow GPD Avg | 13734 | 15555 | 13273 | 5927 | 32564 | 16413 | 18995 | 63,000 | 0 |
| Precip inches | 1.86 | 0.78 | 2.30 | 0.78 | 4.51 | 2.30 | 3.50 | n/a | 0 |
| TSS lbs/min | 3 | 3 | 2.2 | 0.3 | 3.0 | 1.71 | 1.41 | <76 | 0 |
| TSS lbs max | 4 | 4 | 2.9 | 1 | 4.0 | 2.35 | 3.56 | report | 0 |
| TSS mg/l ave | 28 | 29 | 26 | 8 | 29 | 17.75 | 16.0 | <145 | 0 |
| TSS mg/l max | 33 | 33 | 38 | 12 | 38 | 23.46 | 24.0 | report | 0 |
| TSS % removal | 91 | 91 | 91 | 91 | 99.7 | 94.49 | 93.8 | >50 | 0 |
| BOD lbs/min | 11 | 11 | 8 | 2 | 11 | 6.24 | 9.5 | <107 | 0 |
| BOD lbs max | 18 | 16 | 11.3 | 5 | 59 | 19.4 | 43.6 | report | 0 |
| BOD mg/l ave | 140 | 115 | 95 | 42 | 140 | 96.24 | 164.1 | <203 | 0 |
| BOD mg/l max | 151 | 126 | 135 | 55 | 197 | 128.25 | 232.9 | report | 0 |
| BOD % removal | 67 | 67 | 67 | 67.0 | 85.5 | 70.11 | 43.5 | >30 | 0 |
| pH low | 6.5 | 6.5 | 6.5 | 6.2 | 6.7 | 6.5 | 6.7 | >6.0 | 0 |
| pH high | 6.7 | 6.7 | 6.8 | 6.7 | 7.0 | 6.88 | 6.9 | <9.0 | 0 |
| St solids ml/l av | 0.2 | 0.1 | 0.1 | 0.07 | 0.1 | 0.11 | 0.1 | report | 0 |
| TRC mg/l max | 0.02 | 0.02 | 0.02 | 0.02 | 0.03 | 0.028 | 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 | 7 | 8 | <4 | <4 | 8 | 6 | <5 | <8 | 0 |
| Enterococcus cfu max | 49 | 256 | <4 | <4 | 256 | 83 | 211 | <54 | 1 |
| 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**
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.**
4. **A new flow recorder was installed, calibrated and recording on April 4, 2025.**
5. **All permit required public education is complete as of July 12.**
6. **The Operations & Maintenance Plans update continues.**
7. **Awaiting Tving report from Dirigo Engineering.**

8. **On August 20th, NVC received a CIL from the Maine Dept. of Environmental Protection attached. We are looking to train and schedule conductivity testing with Fernie over the next few months, at times when high tide may impact the water levels in the outfall pipe. This will help determine if high bacteria levels are related to extreme tide events.**

Drinking Water Department

August 2025 Production and Water Quality.

Purchased water for the month averaged 54,169 gpd compared to 34,552 gpd for the same month in 2024. *Leak detection was performed with RCAP and EJP. No substantial leaks were found. There appears to be a small 2 – 3 gpm leak. RCAP recommends waiting until at least October and performing additional leak detection if there appears to be a leak. We are monitoring the daily usage to determine if there are additional leaks. The high use in July and August was during extreme drought conditions when many residents were watering lawns and gardens. Meter reading will help determine if there is a leak after the meter.* The weekly free chlorine residual in the drinking water ranged from 0.22 - 0.31 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.

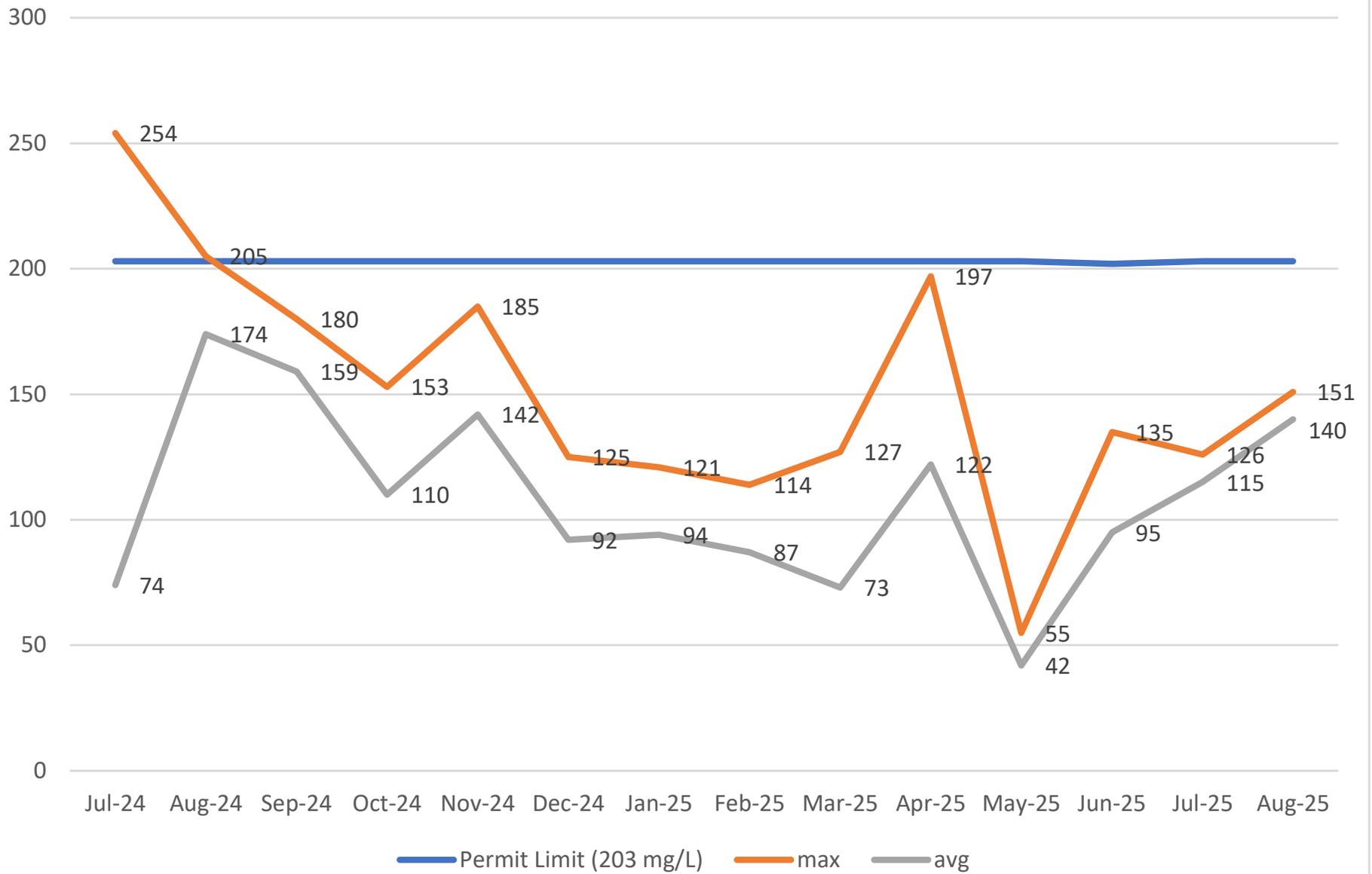
1. **In July leaks repaired one on Park Row and one on Bay Street.**
2. **Lead service line work is scheduled to provide the needed progress report. Follow up on unknown services will need to be conducted.**
3. **If warranted additional leak detection will be performed in October.**

July 24 - August 2025 Northport Village

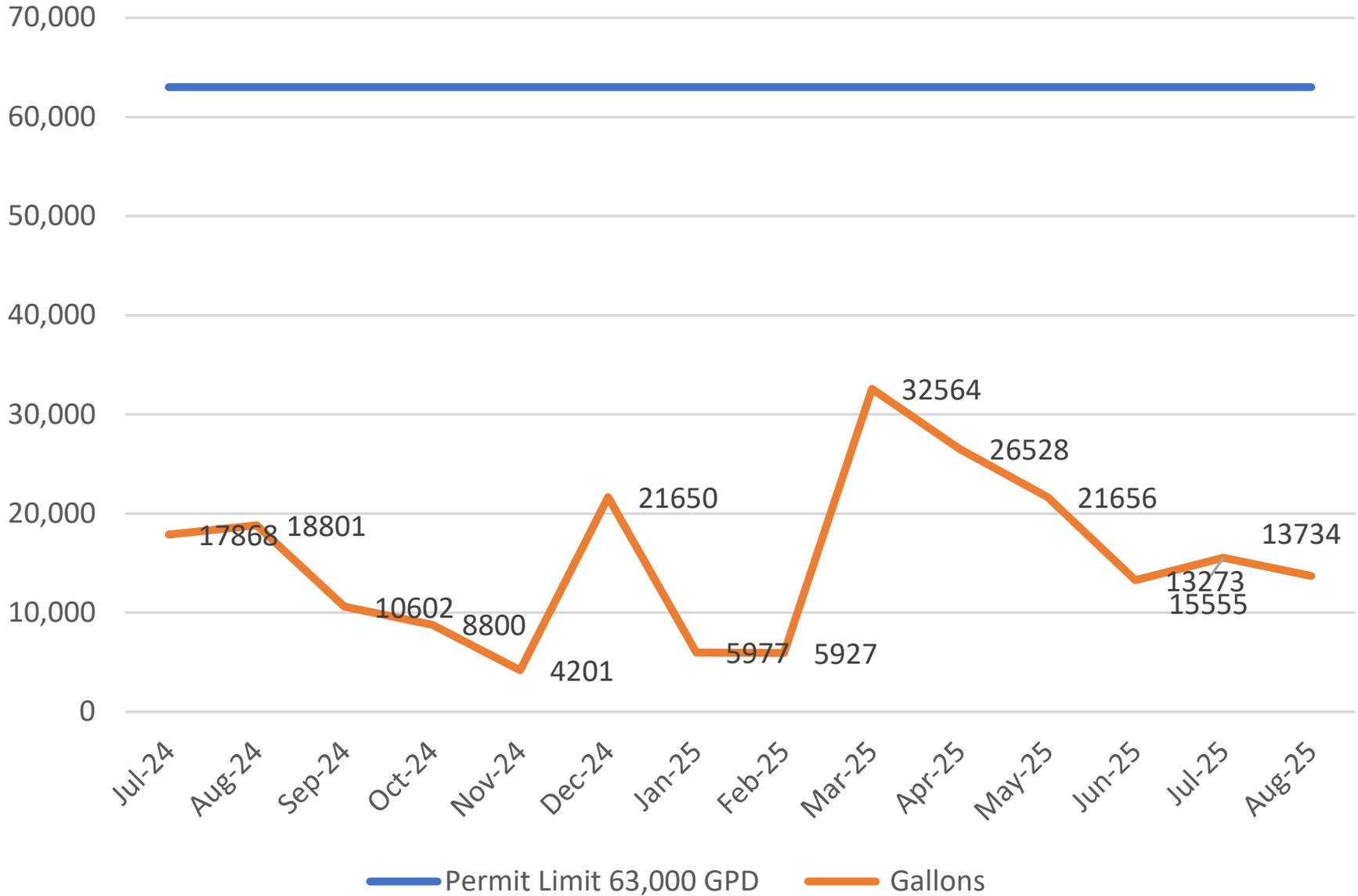
Flow Bod TSS Data

| | 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 | Aug-25 |
|-----------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Flow Avg | | | | | | | | | | | | | | |
| Gals | 17868 | 18801 | 10602 | 8800 | 4201 | 21650 | 5977 | 5927 | 32564 | 26528 | 21656 | 13273 | 15555 | 13734 |
| BOD mg/l | | | | | | | | | | | | | | |
| max | 254 | 205 | 180 | 153 | 185 | 125 | 121 | 114 | 127 | 197 | 55 | 135 | 126 | 151 |
| avg | 74 | 174 | 159 | 110 | 142 | 92 | 94 | 87 | 73 | 122 | 42 | 95 | 115 | 140 |
| TSS mg/l | | | | | | | | | | | | | | |
| max | 42 | 64 | 44 | 26 | 27 | 18 | 12 | 15 | 21 | 15 | 21 | 38 | 33 | 33 |
| avg | 34 | 40 | 36 | 18 | 20 | 13 | 11 | 11 | 10 | 8 | 15 | 26 | 29 | 28 |

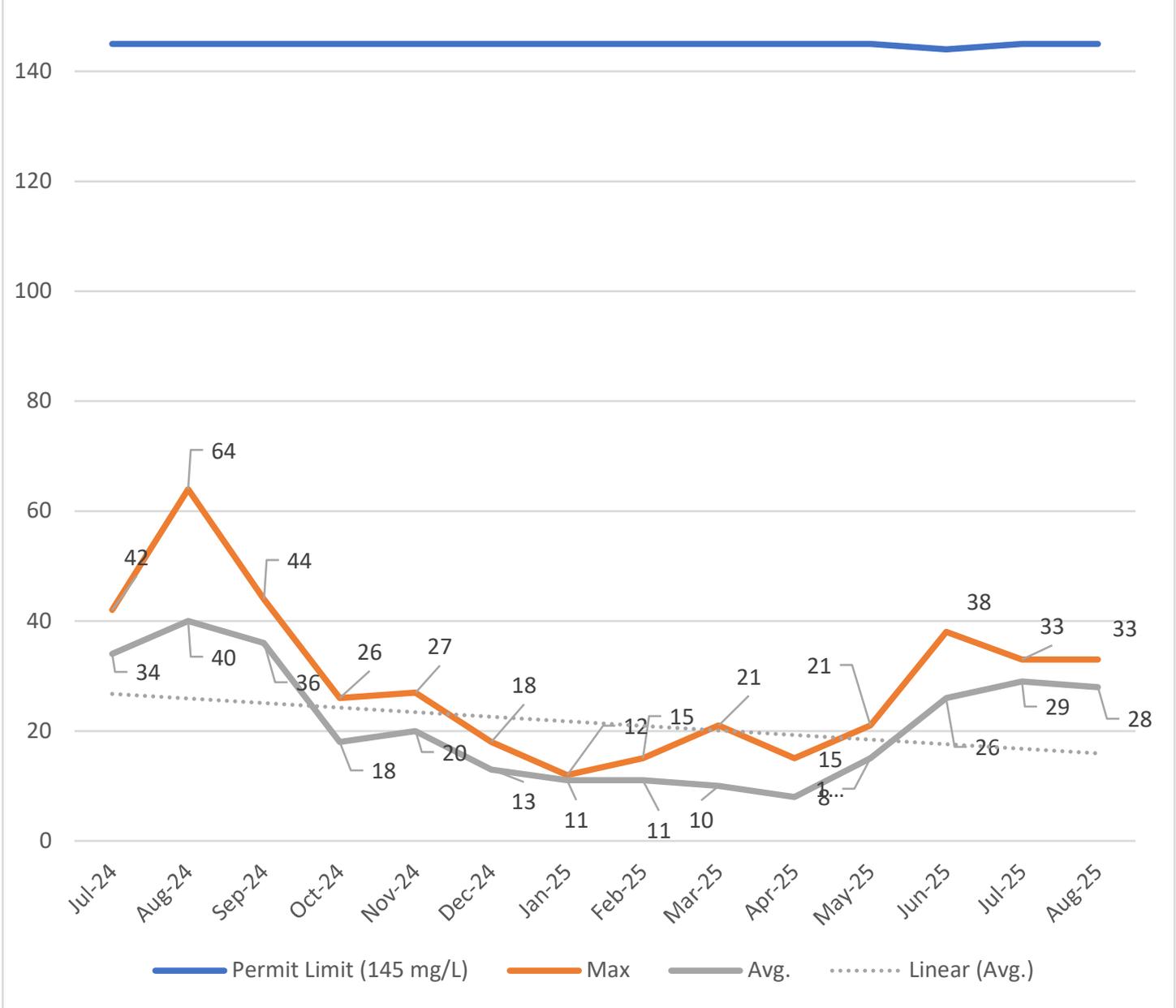
July 2024 - August 2025 BOD (mg/L)



July 2024 - August 2025 Daily Flow Average



July 2024 - August 2025 TSS (mg/L)





JANET T. MILLS
GOVERNOR

STATE OF MAINE
DEPARTMENT OF ENVIRONMENTAL PROTECTION



MELANIE LOYZIM
COMMISSIONER

NOTICE

August 20, 2025

Chuck Applebee, Superintendent
Northport Village Corporation WWTF
813 Shore Rd
Northport, ME 04849

RE: Northport Village Corporation
MEPDES Permit #ME0100307; Maine Waste Discharge License (WDL) W002575-6B-I-R
Compliance Initiative Letter: Enterococci Bacteria Daily Maximum Concentration Violation.

Dear Chuck,

You are receiving this Compliance Initiative Letter (CIL) as a result of the Enterococci Bacteria Daily Maximum Concentration Violation on 07/23/2025. Jim Crowley, of Water Quality and Compliance Services, has theorized that the root cause of this issue is backup in the system caused by high tides.

The Department recognizes that the bacteria violations from the Northport Village Corporation's (NVC) wastewater treatment facility have been trending downward thanks to many process improvements over the last few years. The Department is recommending that NVC monitor conductivity at the effluent sampling points. Long term conductivity monitoring should indicate how frequently and severely backups are effecting wastewater treatment, and aid NVC in developing a strategy to mitigate the issue.

Thank you for your cooperation. If you have any questions about this Compliance Initiative Letter, please contact me at (207) 592-6871 or by email at Benjamin.S.Pendleton@maine.gov.

Sincerely,

Ben Pendleton
Compliance Inspector
Department of Environmental Protection
Division of Water Quality Management
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