

March 8, 2024

## Utility Department Monthly Operating Report Sewer Department

### Mar. 2024 Effluent Monitoring Data

During the March operating period there were no exceedances. See performance table below for further details of the regulatory monitoring data, for the month March 2024.

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

### WWTP Monthly Performance Table

Parameters	Mar.	Feb.	Jan.	YTD Low	YTD Hi	YTD Ave	2023 Ave	DEP Limit	YTD Exceed- acnes
Flow GPD	43915	7748	18633	7748	43915	23432	<b>20449</b>	<b>63,000</b>	0
Precip inches	10	1.01	1.94	1.01	10	4.31	n/a	n/a	0
TSS lbs/min	1	0.5	0.4	0.4	1	0.7	<b>1.36</b>	<b>&lt;76</b>	0
TSS lbs max	3	0.7	1.6	0.7	3	1.8	<b>3.09</b>	<b>report</b>	0
TSS mg/l ave	6.0	11.8	6.0	6.0	11.8	7.9	<b>10.6</b>	<b>&lt;145</b>	0
TSS mg/l max	7.7	16	7.7	7.7	16	10.46	<b>12.9</b>	<b>report</b>	0
TSS % removal	97.9	95.9	97.9	95.9	97.9	97.2	<b>96.1</b>	<b>&gt;50</b>	0
BOD lbs/min	16	8.4	9	8.4	16	11.1	<b>19.7</b>	<b>&lt;107</b>	0
BOD lbs max	190	12.3	52	12.3	190	84.8	<b>65.6</b>	<b>report</b>	0
BOD mg/l ave	170	222.5	192	192	222.5	<b>194.8</b>	<b>178</b>	<b>&lt;203</b>	1
BOD mg/l max	350	270	240	240	350	286.7	<b>259.1</b>	<b>report</b>	0
BOD % removal	41.3	23.2	33.8	23.2	41.3	32.8	<b>39.4</b>	<b>&gt;30</b>	1
pH low	6.7	6.7	6.7	6.7	6.7	6.7	<b>6.7</b>	<b>&gt;6.0</b>	0
pH high	6.9	6.9	6.9	6.9	6.9	6.9	<b>6.9</b>	<b>&lt;9.0</b>	0
St solids ml/l	0.1	0.1	0.1	0.1	0.1	0.1	<b>0.1</b>	<b>report</b>	0
TRC mg/l max	0.05	0.05	0.05	0.05	0.05	0.05	<b>0.066</b>	<b>&lt;0.3</b>	0
Fecal cfu ave	<4	<4	<4	<4	<4	<4	<b>&lt;4</b>	<b>&lt;14</b>	0
Fecal cfu max	<4	<4	<4	<4	<4	<4	<b>&lt;4</b>	<b>&lt;31</b>	0
Enterococcus cfu ave	n/a	n/a	n/a	n/a	n/a	n/a	<b>108</b>	<b>&lt;8</b>	0
Enterococcus cfu max	n/a	n/a	n/a	n/a	n/a	n/a	<b>9680</b>	<b>&lt;54</b>	0
Hg ng/l ave	n/a	n/a	n/a	n/a	n/a	n/a	<b>4.1</b>	<b>33.4</b>	0
Hg ng/l max	n/a	n/a	n/a	n/a	n/a	n/a	<b>4.1</b>	<b>50.1</b>	0

1. Moore's Septage pumped first 2 tanks on each train Mar. 27th, 2024.
2. EPA renewal application was submitted on 11-29-23
3. There was 10 inches of rain in March which can greatly disturb the treatment plant operations including the distribution of solids within the tanks
4. There was a single day flow recorded at 173, 800 gallons on 3-29-24 when we received 3.12 inches of rain and some snow melt

## **Drinking Water Department**

### March 2024 Production and Water Quality.

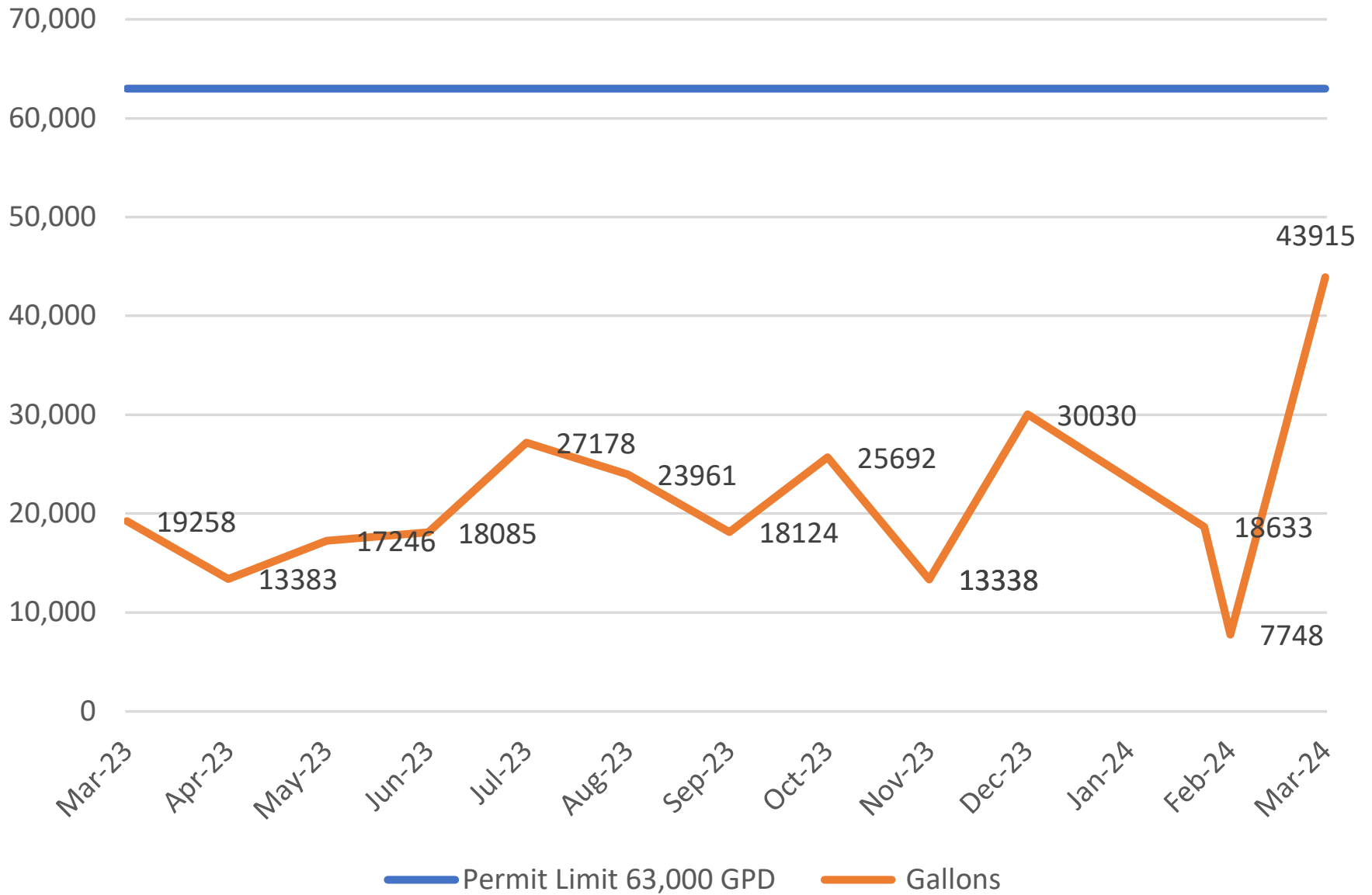
Purchased water for the month averaged **11336 gpd compared to 12,597 gpd** for the same month in 2023. The weekly free chlorine residual in the drinking water ranged from 0.28 - 0.70 ppm/Cl<sup>2</sup> compared to the recommended goal of >.20 to <1.0 ppm/Cl<sup>2</sup> at the entry point to the distribution system. 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 both negative.

- 1. The new meter appears to be slowing down so the 11,336 gallons for March maybe artificially low, we are exploring with Ti-Sales**
- 2. The new 6 inch meter was installed on Feb. 29<sup>th</sup>**
- 3. RCAP continues work on water rate increase**
- 4. 6 inch meter increase fire flows from 1000 gallon to 2000 gallons per minute**

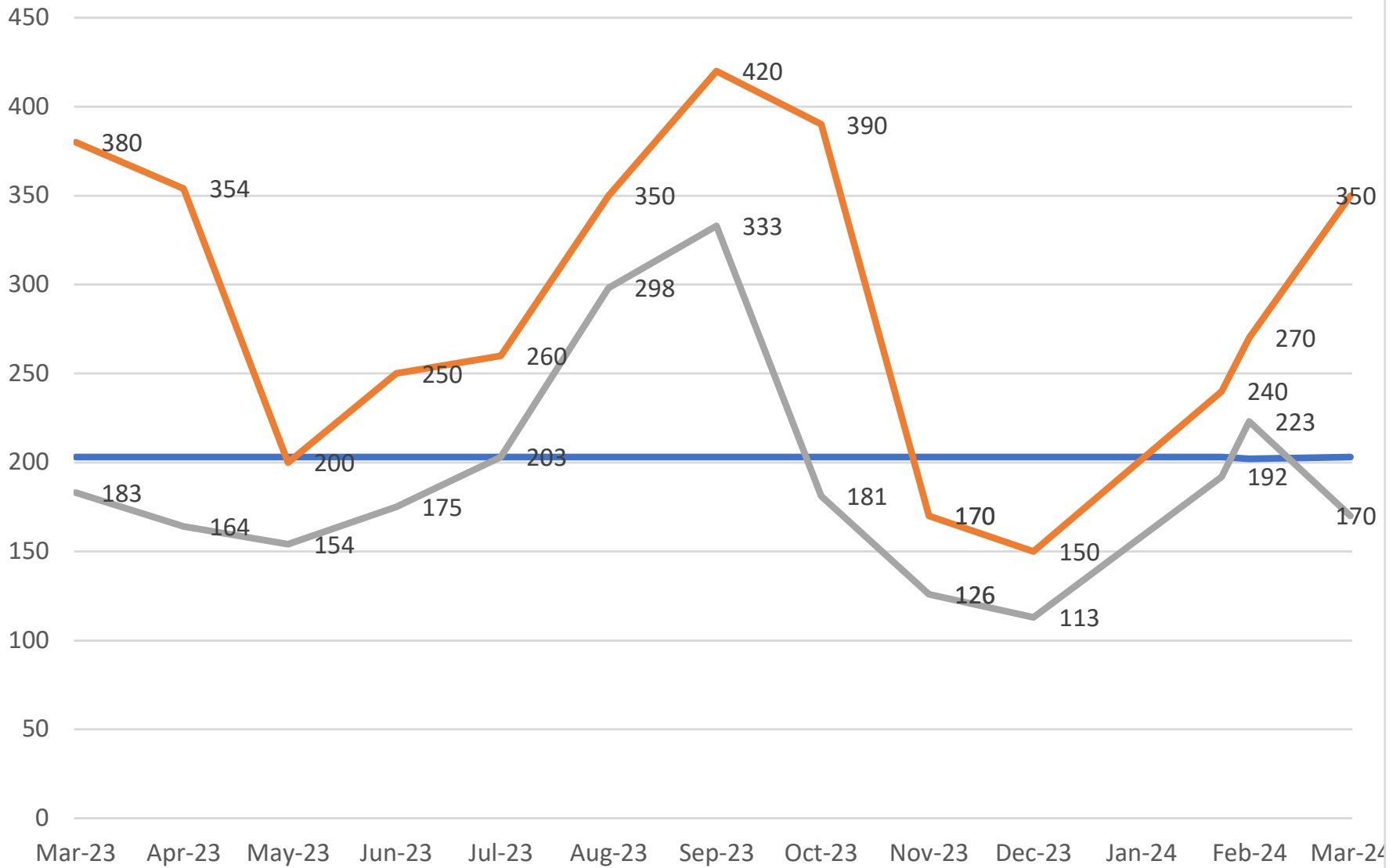
**March 23 - March 2024 Northport Village  
Flow Bod TSS Data**

	Mar-23	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Nov-23	Jan-24	Feb-24	Mar-24
<b>Flow Avg</b>														
Gals	19258	13383	17246	18085	27178	23961	18124	25692	13338	30030	13338	18633	7748	43915
<b>BOD mg/l</b>														
max	380	354	200	250	260	350	420	390	170	150	170	240	270	350
avg	183	164	154	175	203	298	333	181	126	113	126	192	223	170
<b>TSS mg/l</b>														
max	13	13	13	16	16	19	18	17	14	5.8	14	7.7	16	7.7
avg	10	9	9	12	15	17	15	8	8	4.6	8	6	11.8	6

# March 2023- March 2024 Daily Flow Average



# March 2023 - March 2024 BOD (mg/L)



— Permit Limit (203 mg/L) — max — avg

### March 2023 - March 2024 TSS (mg/L)

