

June 16, 2024

## Utility Department Monthly Operating Report Sewer Department

### May 2024 Effluent Monitoring Data

During the May operating period there were two BOD exceedances. See performance table below for further details of the regulatory monitoring data, for the month May 2024.

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 Ave	2023 Ave	DEP Limit	YTD Exceed- ances
Flow GPD	9487	24406	43915	7748	43915	20838	<b>20449</b>	<b>63,000</b>	0
Precip inches	2.85	3.66	10	1.01	10	3.89	n/a	n/a	0
TSS lbs/min	1	0.5	1	0.4	1	0.72	<b>1.36</b>	<b>&lt;76</b>	0
TSS lbs max	1	2.7	3	0.7	3	1.8	<b>3.09</b>	<b>report</b>	0
TSS mg/l ave	13	7.6	6.0	6.0	13	10.2	<b>10.6</b>	<b>&lt;145</b>	0
TSS mg/l max	16	9.7	7.7	7.7	16	11.4	<b>12.9</b>	<b>report</b>	0
TSS % removal	94.4	97.4	97.9	94.4	97.9	96.7	<b>96.1</b>	<b>&gt;50</b>	0
BOD lbs/min	12	7	16	7	16	10.5	<b>19.7</b>	<b>&lt;107</b>	0
BOD lbs max	29	52	190	12.3	190	67	<b>65.6</b>	<b>report</b>	0
BOD mg/l ave	<b>248</b>	147	170	147	248	<b>195.9</b>	<b>178</b>	<b>&lt;203</b>	2
BOD mg/l max	360	240	350	240	360	292	<b>259.1</b>	<b>report</b>	0
BOD % removal	<b>14.4</b>	49.3	41.3	14.4	49.3	32.4	<b>39.4</b>	<b>&gt;30</b>	2
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	0.4	0.05	0.05	0.04	0.05	0.48	<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	<4	<4	n/a	<4	<4	<4	<b>108</b>	<b>&lt;8</b>	0
Enterococcus cfu max	<4	4	n/a	<4	4	<4	<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 2.85 inches of rain in May**
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**
5. **We are moving forward with Influent Loading Testing and before chemical addition**

## **6. Solids pumping scheduled for 6-28-24**

### **Drinking Water Department**

#### May 2024 Production and Water Quality.

Purchased water for the month averaged 12,595 gpd compared to 16,528 gpd for the same month in 2023. The weekly free chlorine residual in the drinking water ranged from 0.21 - 0.33 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.

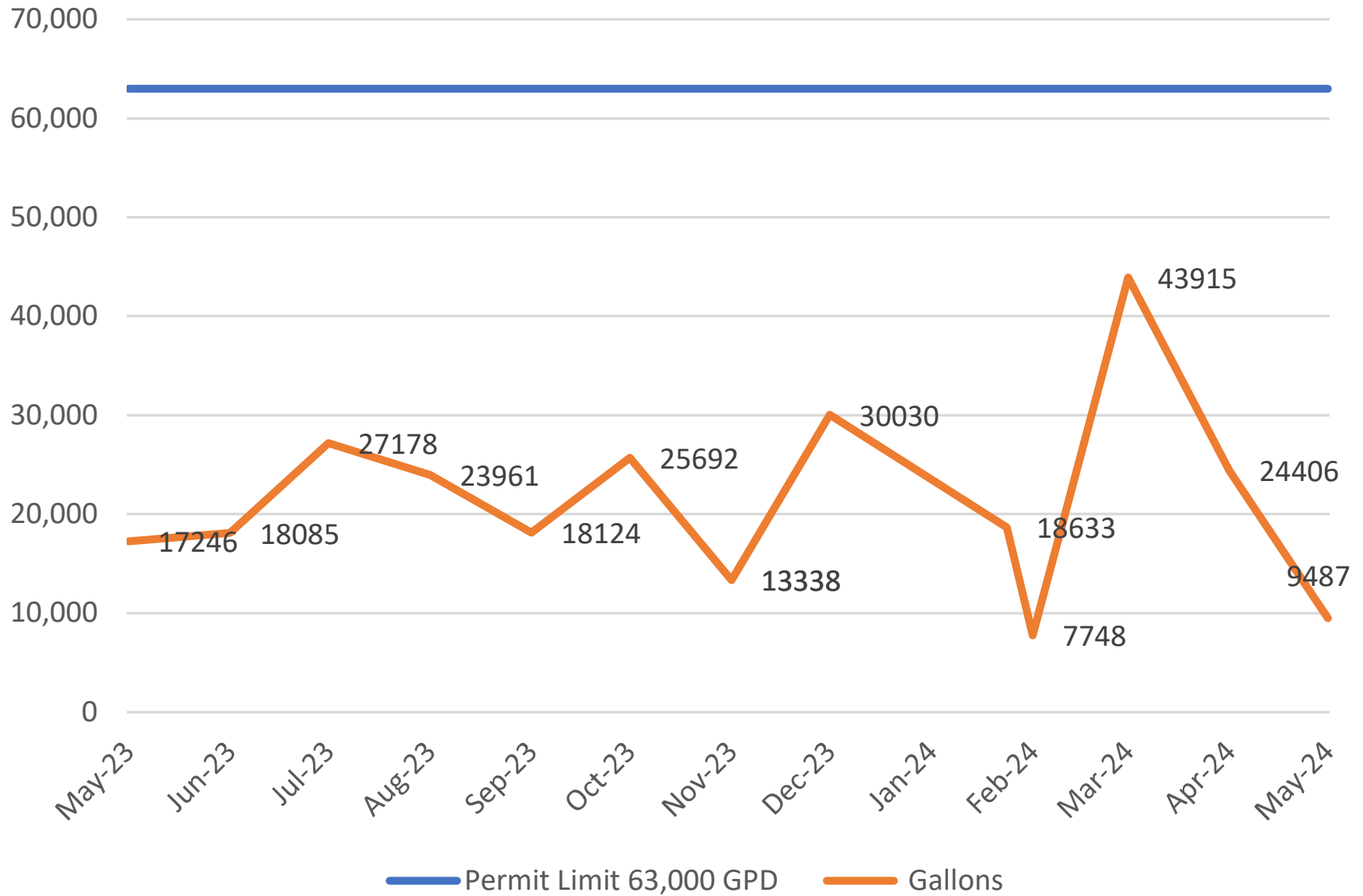
- 1. The new meter appears to be reading correctly after flushing on 4-26-24, there was most likely air interfering with the correct reading**
- 2. The new 6 inch meter was installed on Feb. 29<sup>th</sup>**
- 3. RCAP continues work on water rate increase**
- 4. 6 inch meter increase fire flows from 1000 gallon to 2000 gallons per minute**

May 23 - May 2024 Northport Village

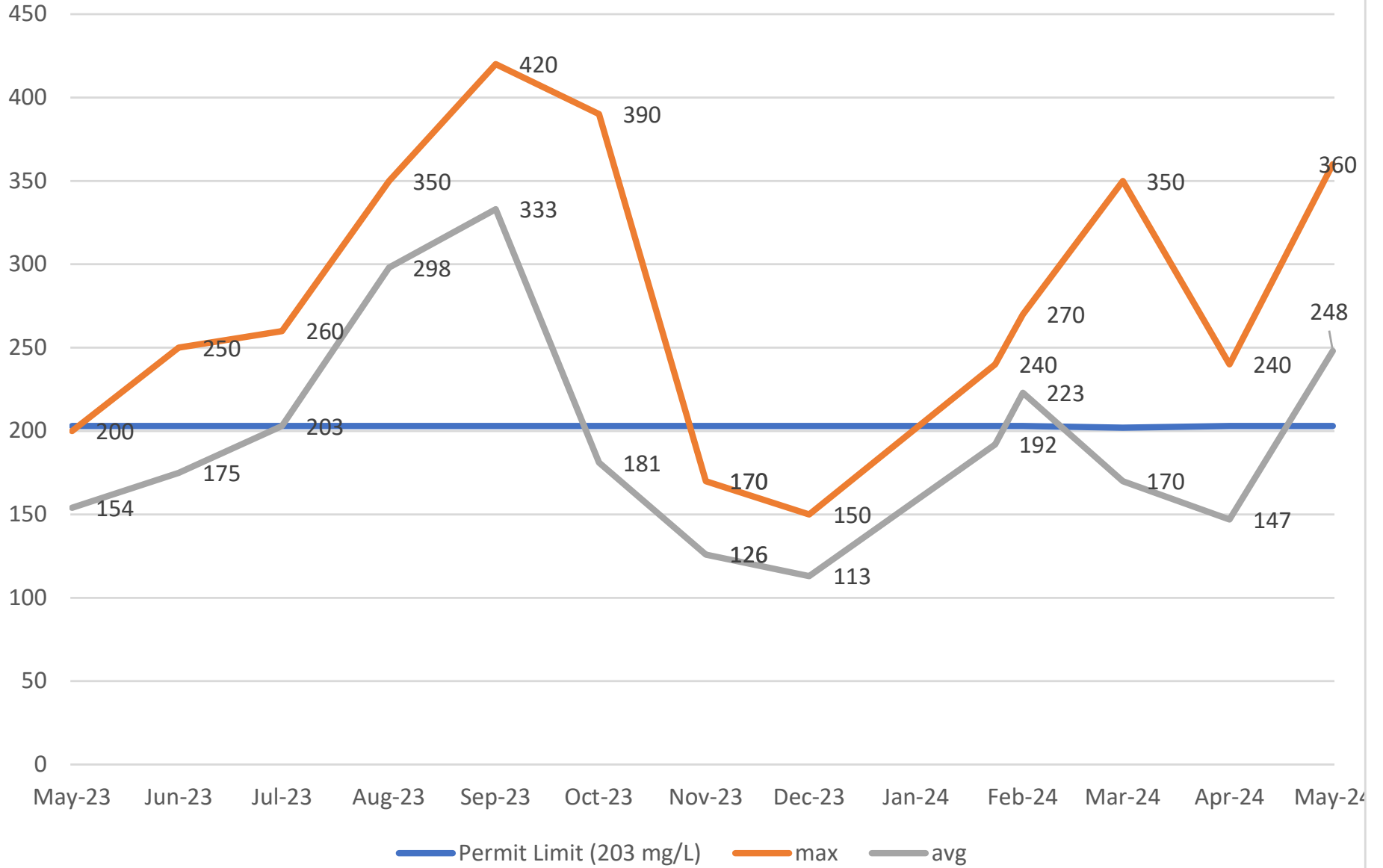
Flow Bod TSS Data

	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	Apr-24	May-24
<b>Flow Avg</b>															
Gals	13383	17246	18085	27178	23961	18124	25692	13338	30030	13338	18633	7748	43915	24406	9487
<b>BOD mg/l</b>															
max	354	200	250	260	350	420	390	170	150	170	240	270	350	240	360
avg	164	154	175	203	298	333	181	126	113	126	192	223	170	147	248
<b>TSS mg/l</b>															
max	13	13	16	16	19	18	17	14	5.8	14	7.7	16	7.7	9.7	13
avg	9	9	12	15	17	15	8	8	4.6	8	6	11.8	6	7.6	16

# May 2023 - May 2024 Daily Flow Average



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



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

