

May 10, 2024

Utility Department Monthly Operating Report Sewer Department

April 2024 Effluent Monitoring Data

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

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 Ave	2023 Ave	DEP Limit	YTD Exceed- acnes
Flow GPD	24406	43915	7748	7748	43915	23676	20449	63,000	0
Precip inches	3.66	10	1.01	1.01	10	4.15	n/a	n/a	0
TSS lbs/min	0.5	1	0.5	0.4	1	0.65	1.36	<76	0
TSS lbs max	2.7	3	0.7	0.7	3	2.0	3.09	report	0
TSS mg/l ave	7.6	6.0	11.8	6.0	11.8	7.8	10.6	<145	0
TSS mg/l max	9.7	7.7	16	7.7	16	10.3	12.9	report	0
TSS % removal	97.4	97.9	95.9	95.9	97.9	97.3	96.1	>50	0
BOD lbs/min	7	16	8.4	7	16	10.1	19.7	<107	0
BOD lbs max	52	190	12.3	12.3	190	76.6	65.6	report	0
BOD mg/l ave	147	170	222.5	147	222.5	182.9	178	<203	1
BOD mg/l max	240	350	270	240	350	275	259.1	report	0
BOD % removal	49.3	41.3	23.2	23.2	49.3	36.9	39.4	>30	1
pH low	6.7	6.7	6.7	6.7	6.7	6.7	6.7	>6.0	0
pH high	6.9	6.9	6.9	6.9	6.9	6.9	6.9	<9.0	0
St solids ml/l	0.1	0.1	0.1	0.1	0.1	0.1	0.1	report	0
TRC mg/l max	0.05	0.05	0.05	0.05	0.05	0.05	0.066	<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	<4	<4	<4	108	<8	0
Enterococcus cfu max	4	n/a	n/a	<4	4	<4	9680	<54	0
Hg ng/l ave	n/a	n/a	n/a	n/a	n/a	n/a	4.1	33.4	0
Hg ng/l max	n/a	n/a	n/a	n/a	n/a	n/a	4.1	50.1	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 3.66 inches of rain in April
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

April 2024 Production and Water Quality.

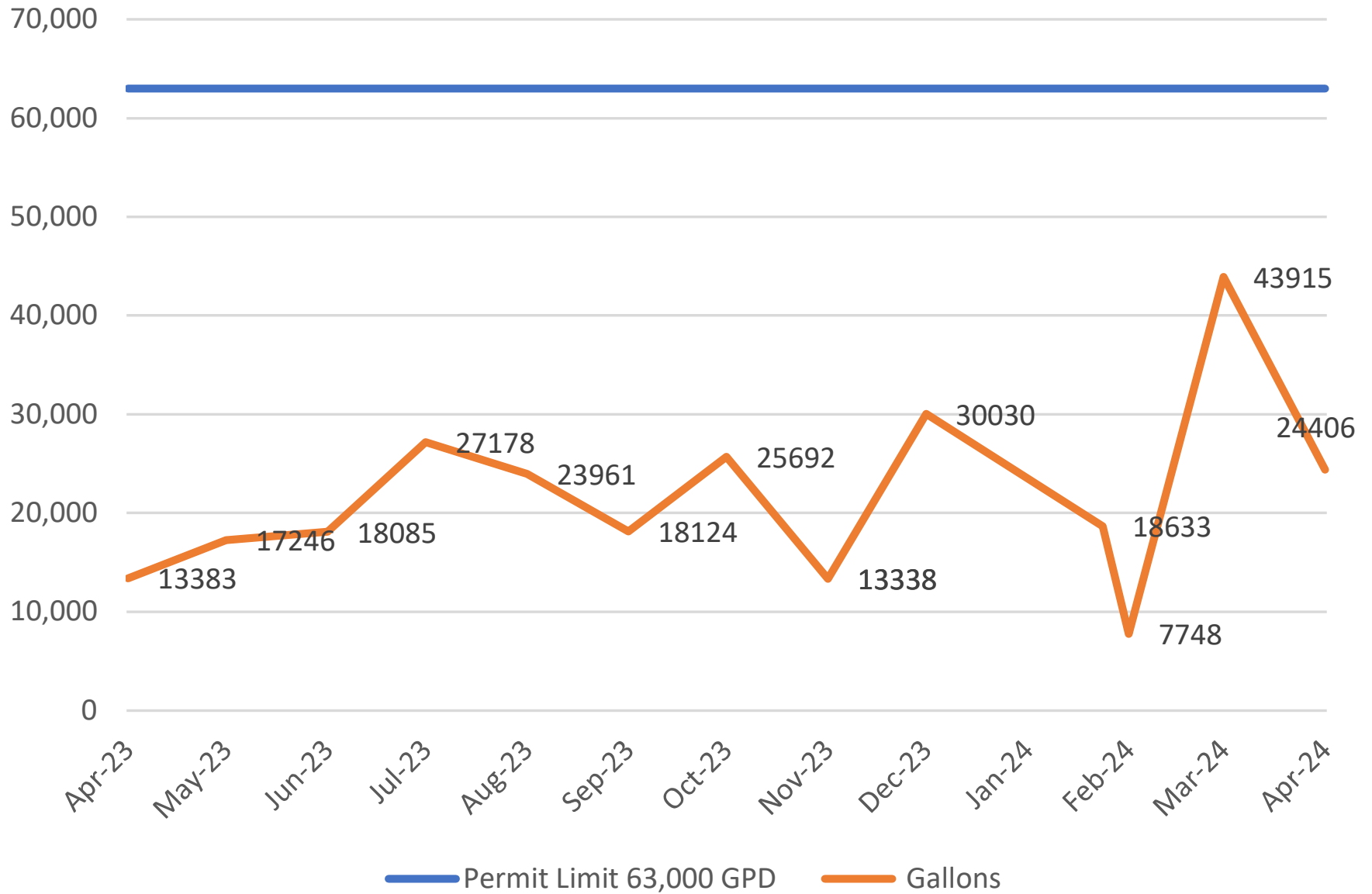
Purchased water for the month averaged **12092 gpd compared to 13763 gpd** for the same month in 2023. The weekly free chlorine residual in the drinking water ranged from 0.21 - 0.33 ppm/Cl² compared to the recommended goal of >.20 to <1.0 ppm/Cl₂ at the entry point to the distribution system. The EPA 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. 29th**
- 3. RCAP continues work on water rate increase**
- 4. 6 inch meter increase fire flows from 1000 gallon to 2000 gallons per minute**

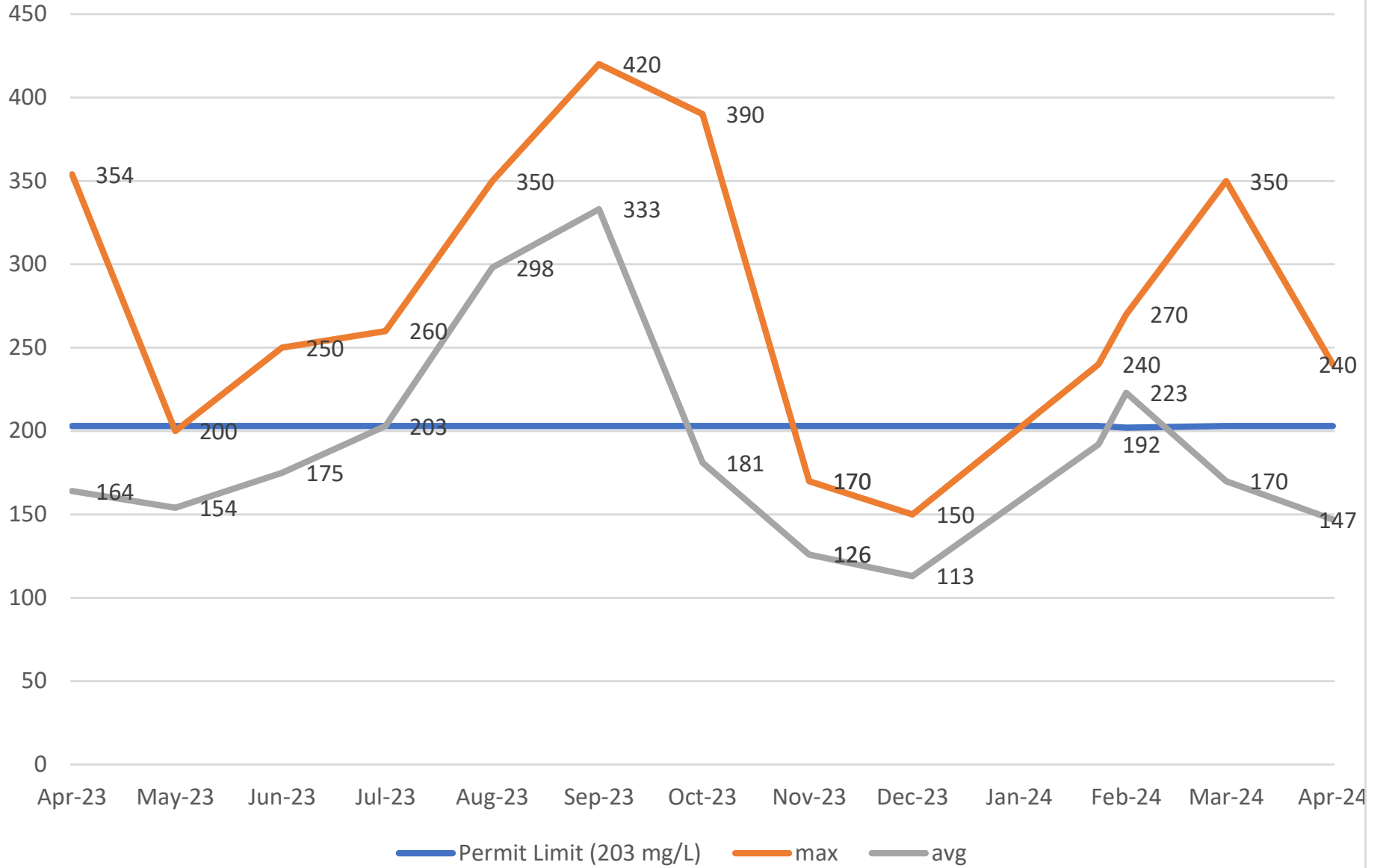
**April 23 - April 2024 Northport Village
Flow Bod TSS Data**

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

April 2023 - April 2024 Daily Flow Average



April 2023 - April 2024 BOD (mg/L)



April 2023 - April 2024 TSS (mg/L)

