



GRAND RAPIDS  
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

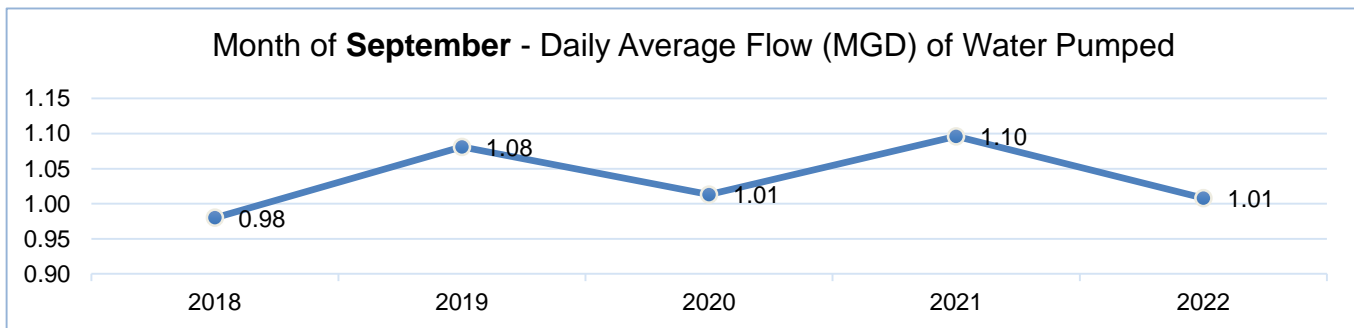
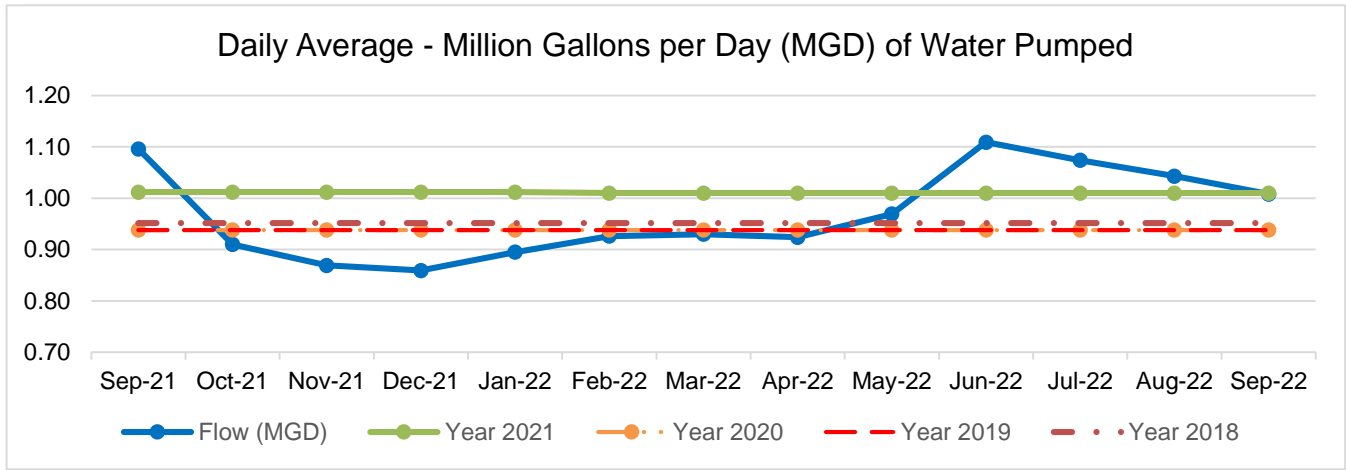
## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT October 2022 Commission Meeting

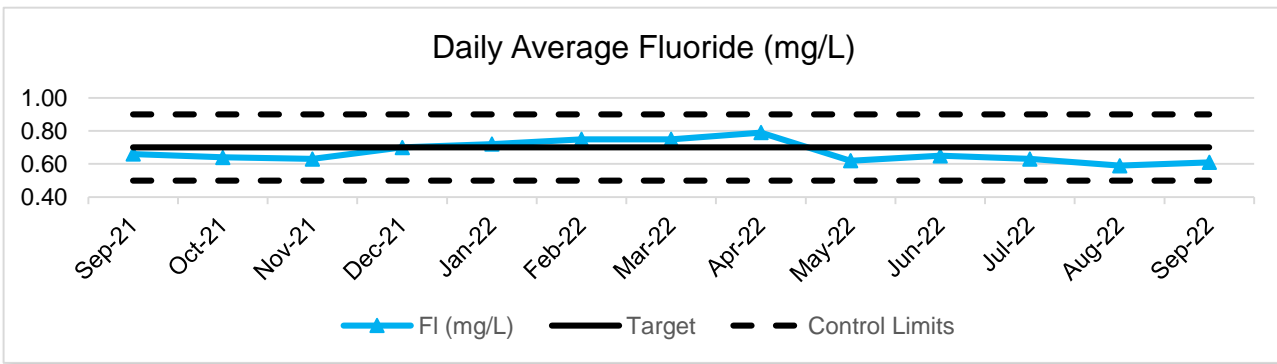
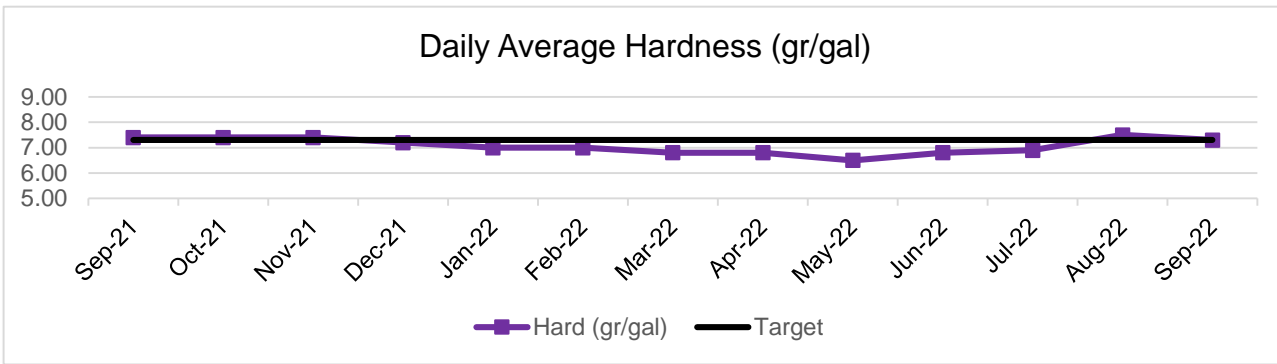
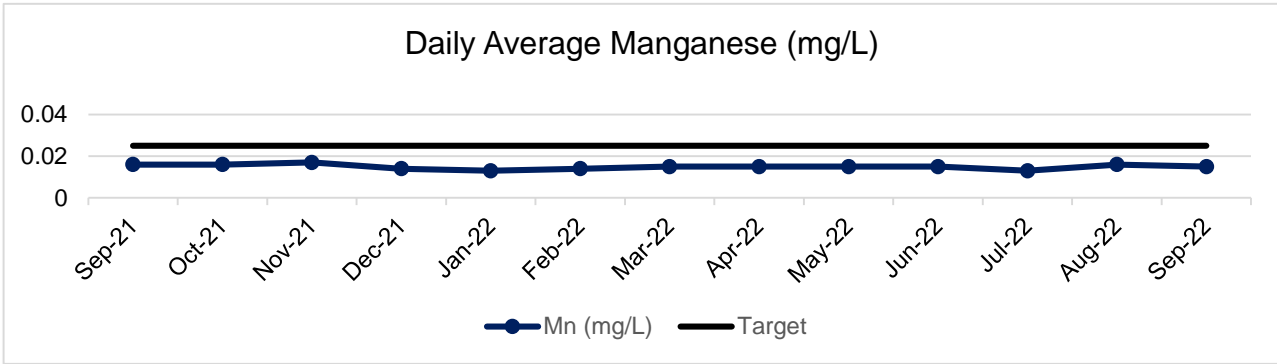
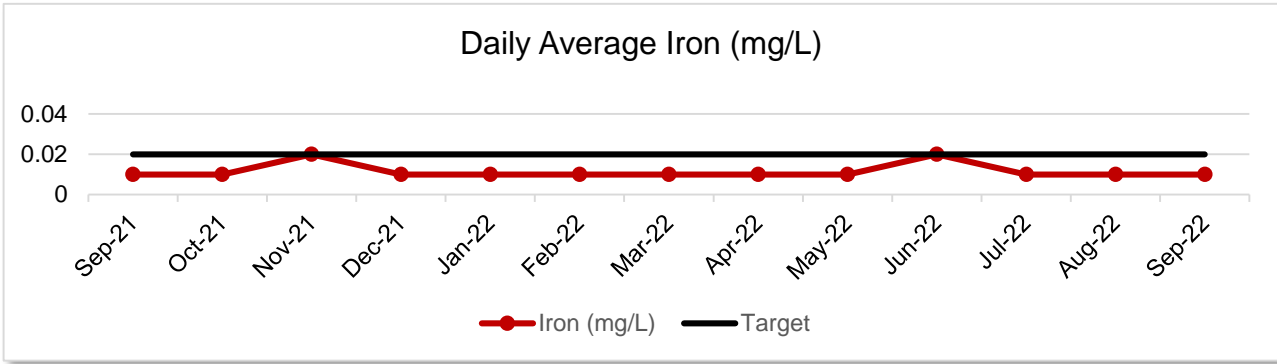
### Safety

There were no OSHA recordable accidents last month.

### Water Operations

The water plant pumped an average of 1.01 million gallons of water per day (MGD) with a peak of 1.61 million gallons during last month.





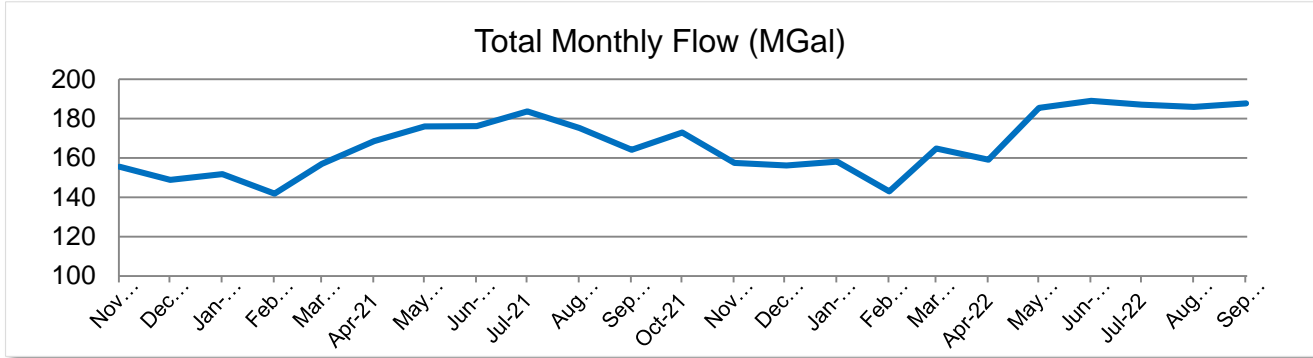
**Wastewater Operations**

Memo of Understanding (MOU) received from MPCA for PFAS Monitoring

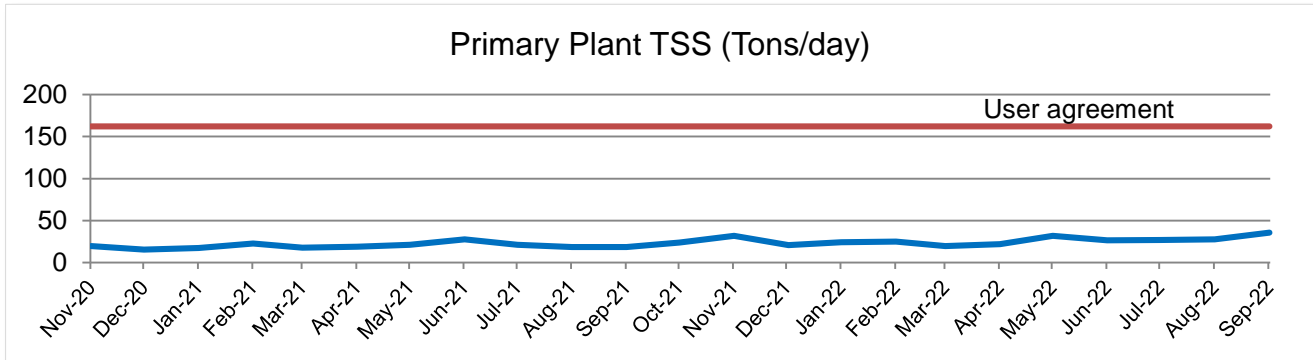
- Funding obtained to help with first two sampling events
- Sampling plan due January 1, 2023

- 1<sup>st</sup> sample is due by March 31, 2023
- 2<sup>nd</sup> sample is due by June 30, 2023

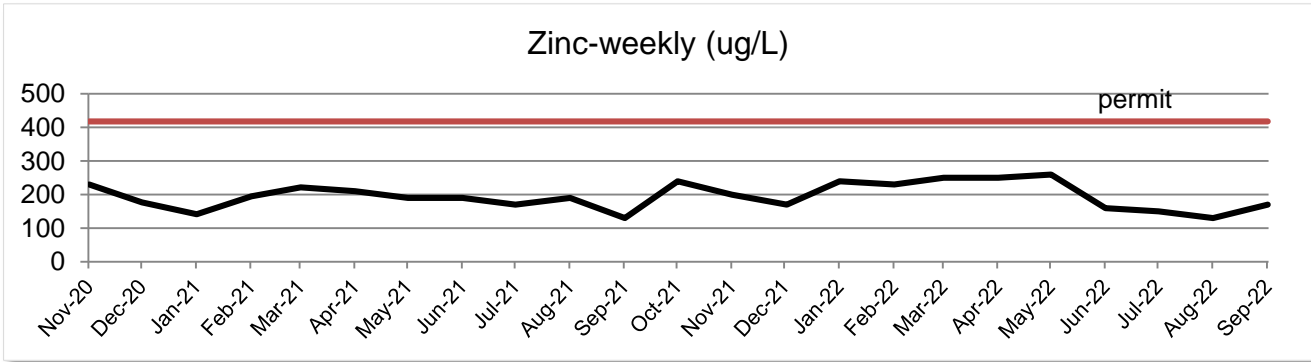
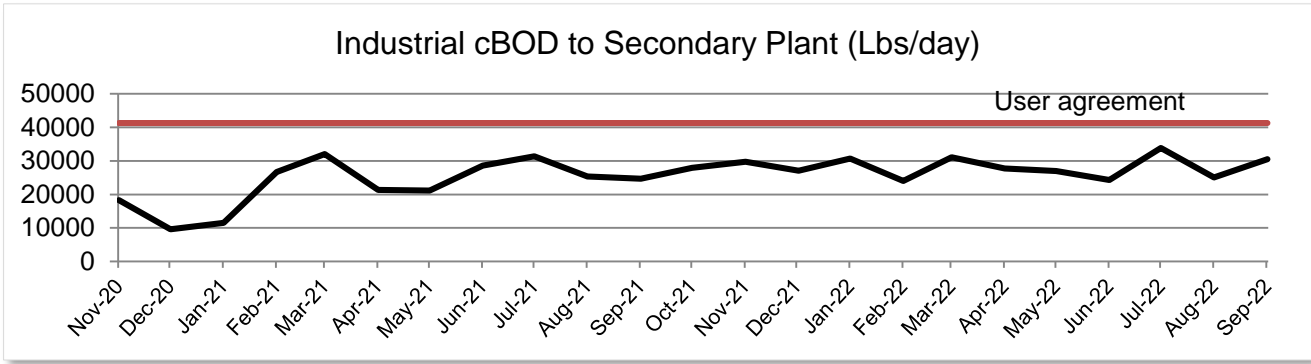
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 188 million gallons of water removing 99.2% of the Total Suspended Solids (TSS) and 98.6% Biochemical Oxygen Demand (cBOD).



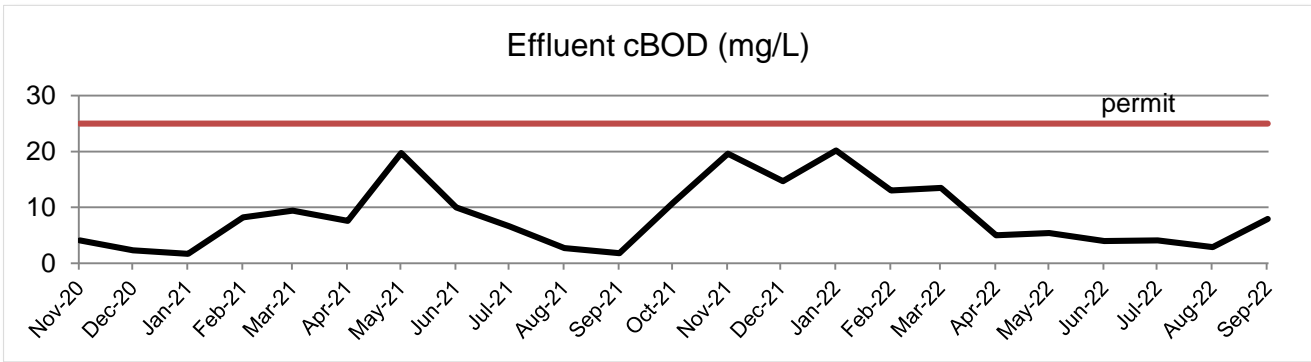
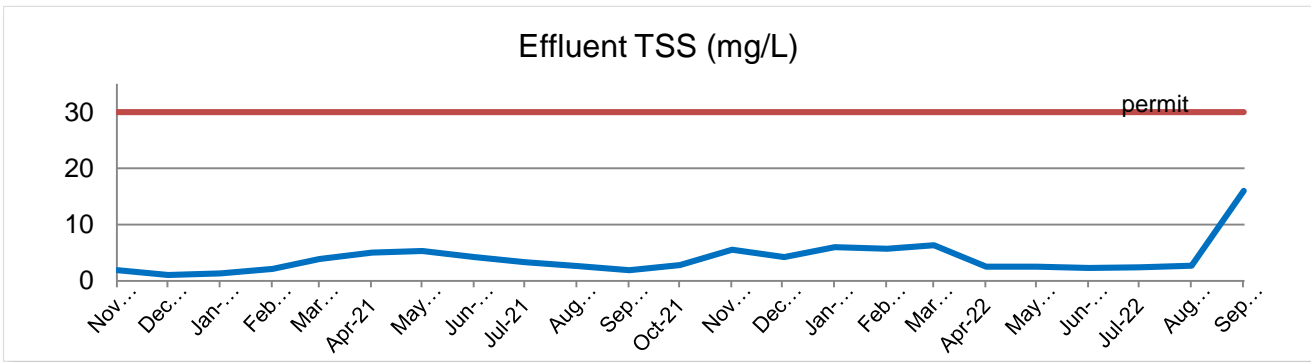
	Design Limits (monthly AVG)	Actual Results
<u>Primary Plant</u>		
Flow (MGD)	13.25	4.8
TSS (Tons/day)	162	35.8
TSS Peak (Tons/Day)	284	155.4



	Design Limits (monthly AVG)	Actual Results
<u>Secondary Plant</u>		
Flow (MGD)	15.25	6.3
cBOD (lbs/Day)	41,300	33,443
Peak cBOD (lbs/Day)	57,350	51,782
Zinc-weekly (ug/L)	418	170
% GRPUC		24.4%

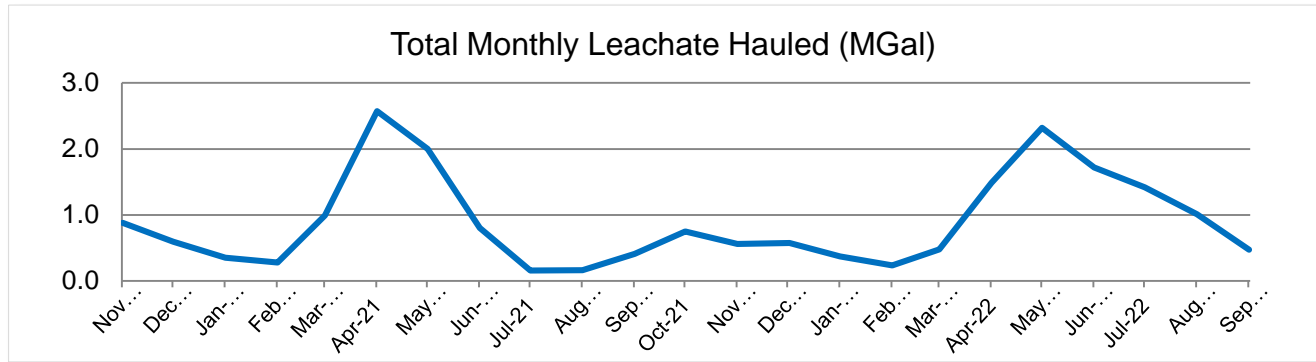


Effluent	Permit Limits (monthly AVG)	Actual Results
TSS (mg/L) – monthly average	30	7.9
cBOD (mg/L) – monthly average	25	16
Dissolved Oxygen (mg/L)	>1.0	5.1



## Sludge Landfill Operations

- 0.47 million gallons of leachate were hauled last month
- 5,064 cubic yards of sludge solids were hauled to the landfill



## AMI Water Install Last Month

We installed 0 water nodes and/or meters in residential routes. We currently have 3487 (99%) active water nodes installed in the system. We have received notification from Eaton that water nodes have finally shipped!

## Projects Performed Last Month

- Hydrant flushing Grand Rapids and LaPrairie.
- Capex - Painting primary clarifier #2 completed.
- Mid-bearing repairs on pumps #3 and #4 at screen house.

## Projects Scheduled for This Month

- Replace scum baffles on primary clarifier 1
- Hydrant repairs identified from flushing last month.
- Screen house suction valve replacement for pump #2.