

GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT October 2021 Commission Meeting

Safety

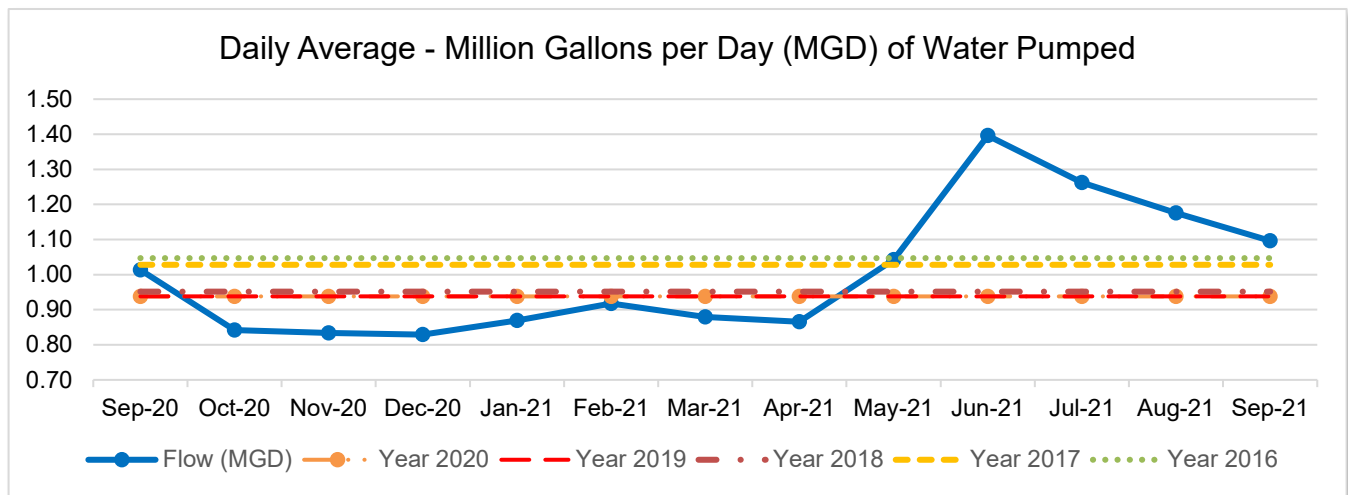
There were no OSHA recordable accidents last month.

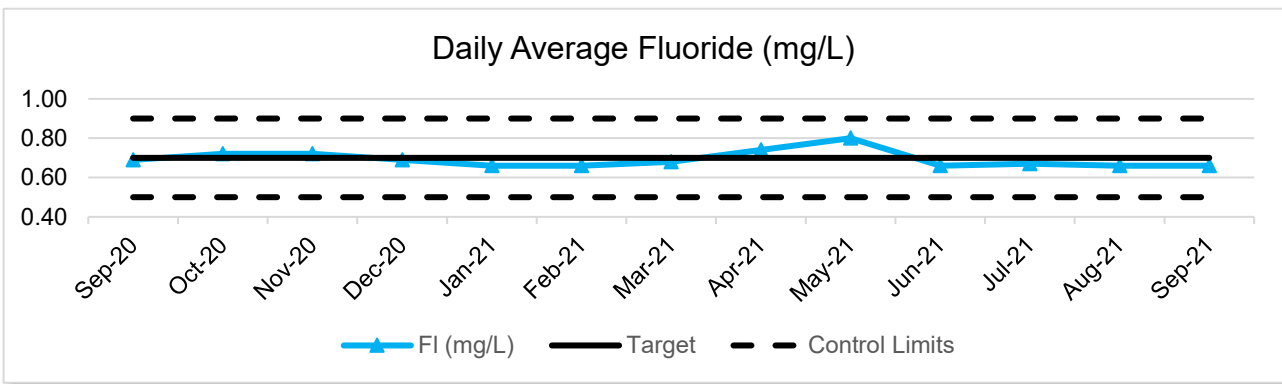
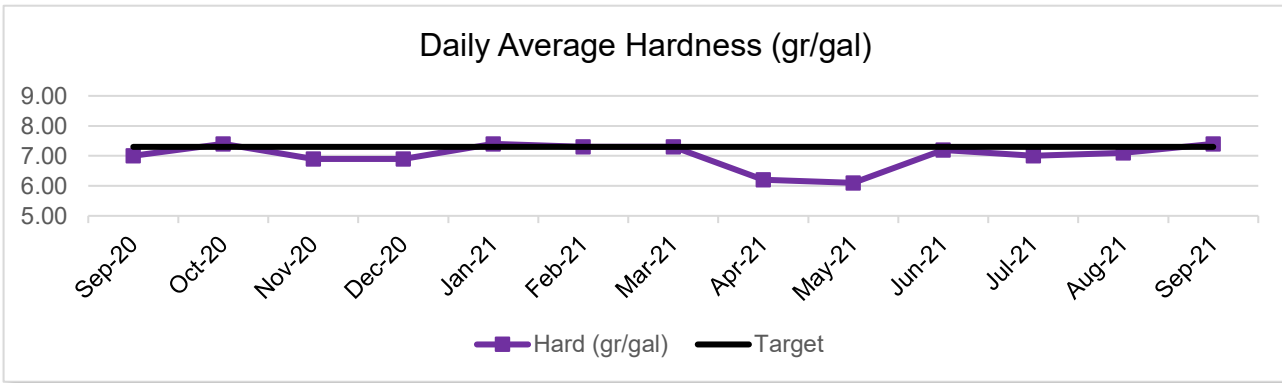
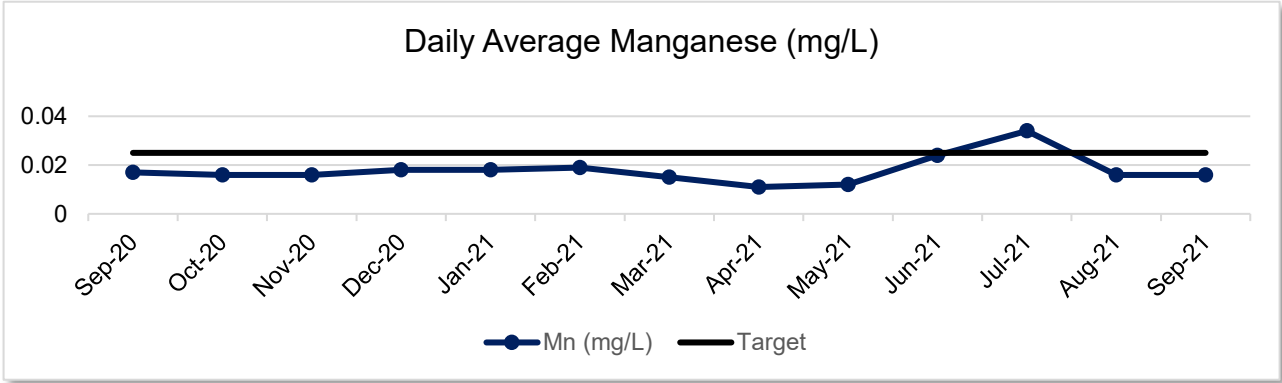
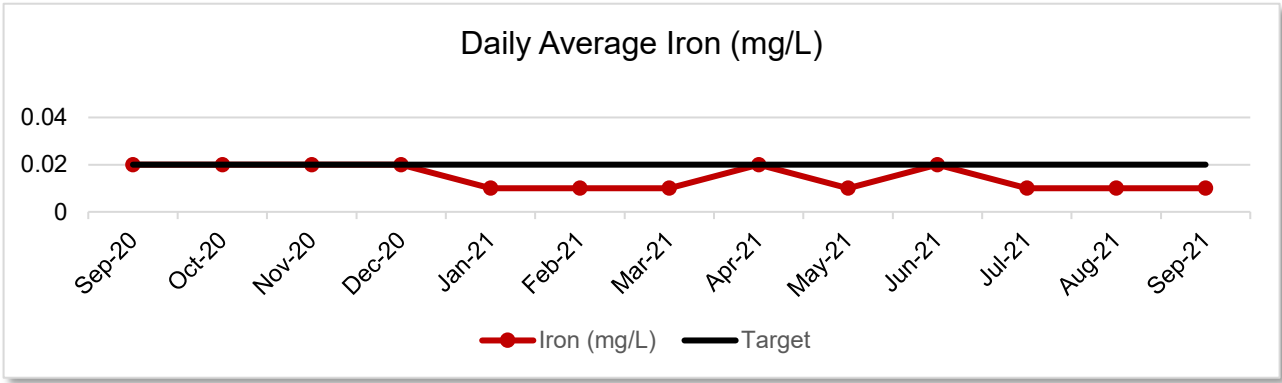
Topic of the Month

Hydrant flushing recap

WTP Operations

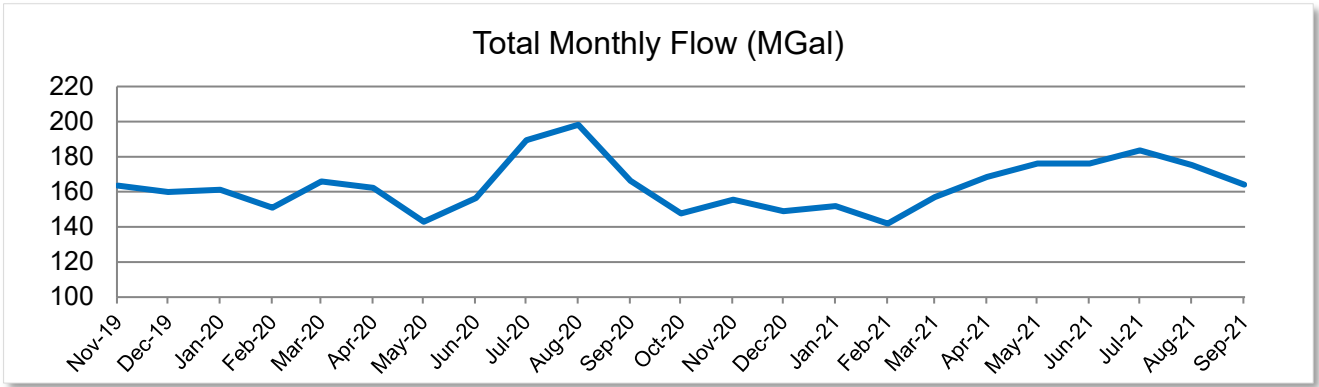
The water plant pumped an average of 1.10 million gallons of water per day (MGD) with a peak of 1.65 million gallons during last month.



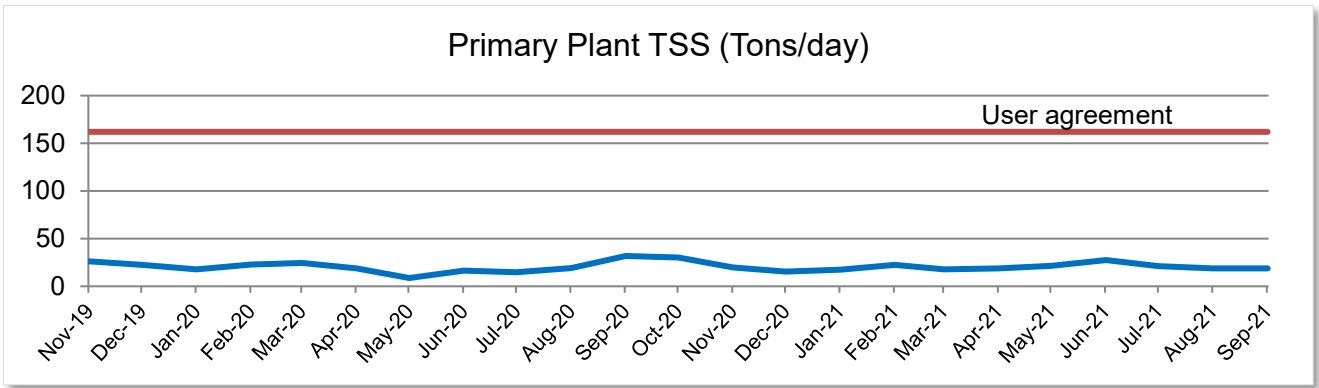


WWTP Operations

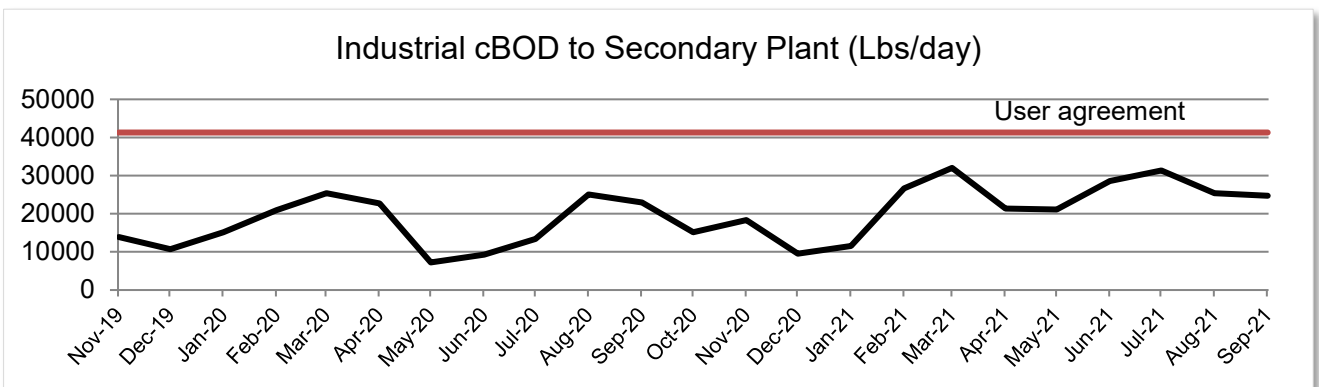
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 164 million gallons of water removing 99.8% of the Total Suspended Solids (TSS) and 99.8% Biochemical Oxygen Demand (cBOD).

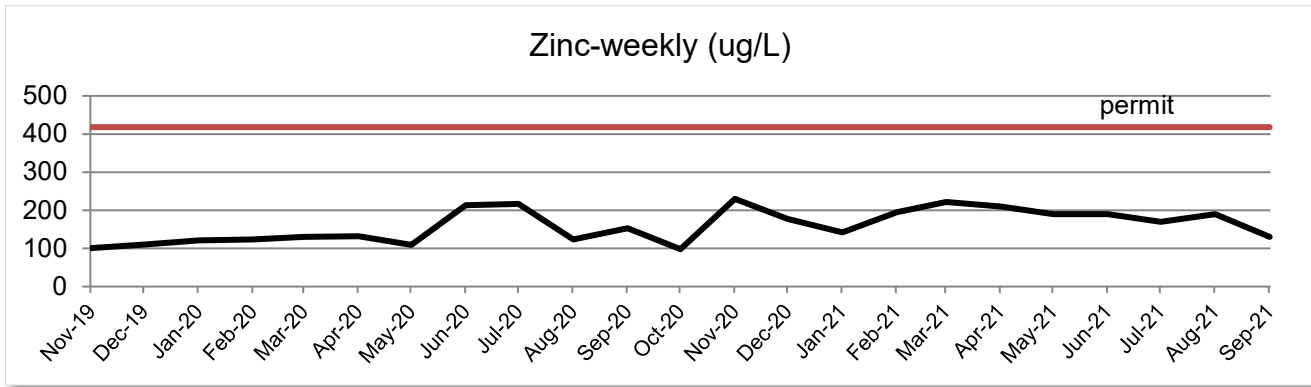


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	4.3
TSS (Tons/day)	162	18.7
TSS Peak (Tons/Day)	284	47.1

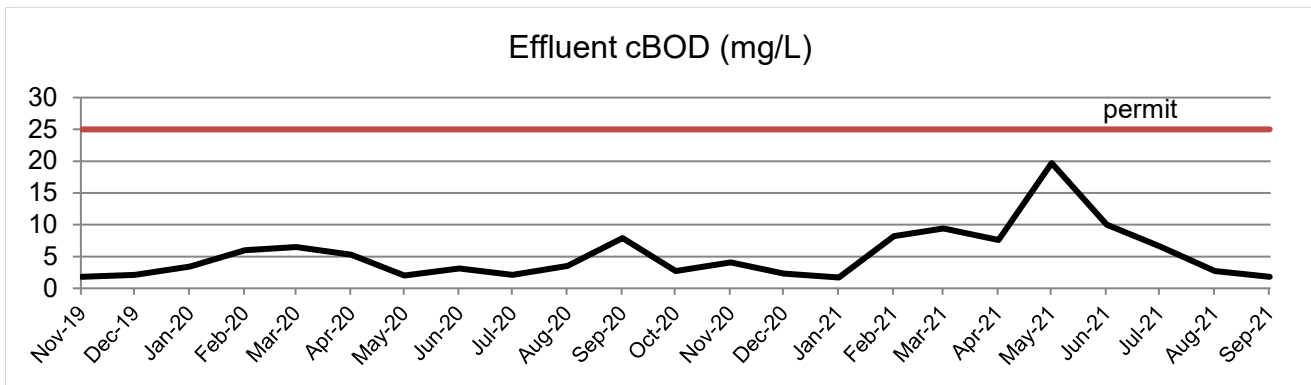
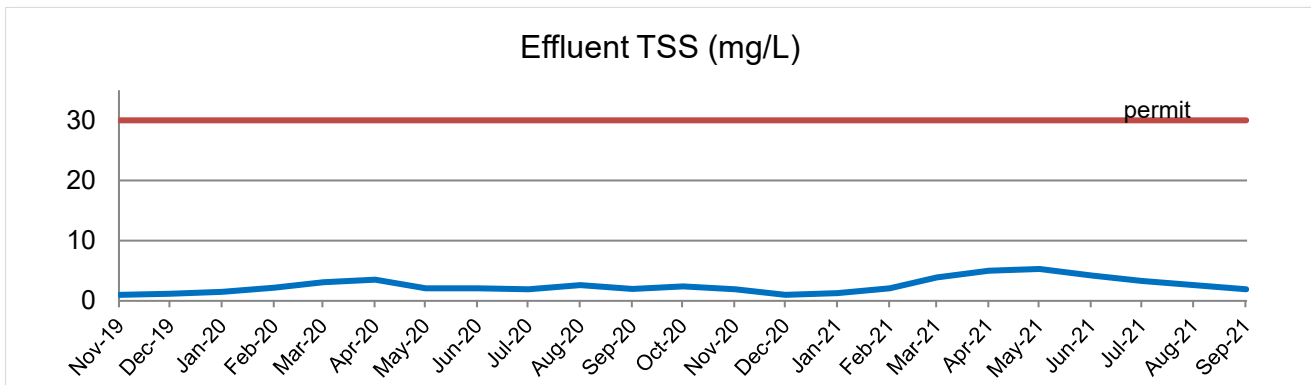


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.5
cBOD (lbs/Day)	41,300	27,347
Peak cBOD (lbs/Day)	57,350	42,782
Zinc-weekly (ug/L)	418	130
% GRPUC		29.1%



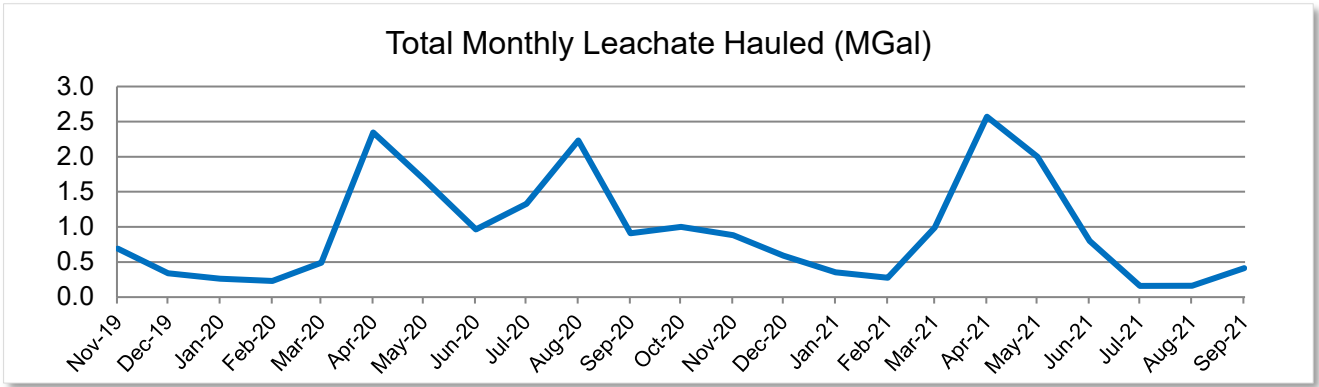


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	1.9
cBOD (mg/L) – monthly average	25	1.8
Dissolved Oxygen (mg/L)	>1.0	5.6



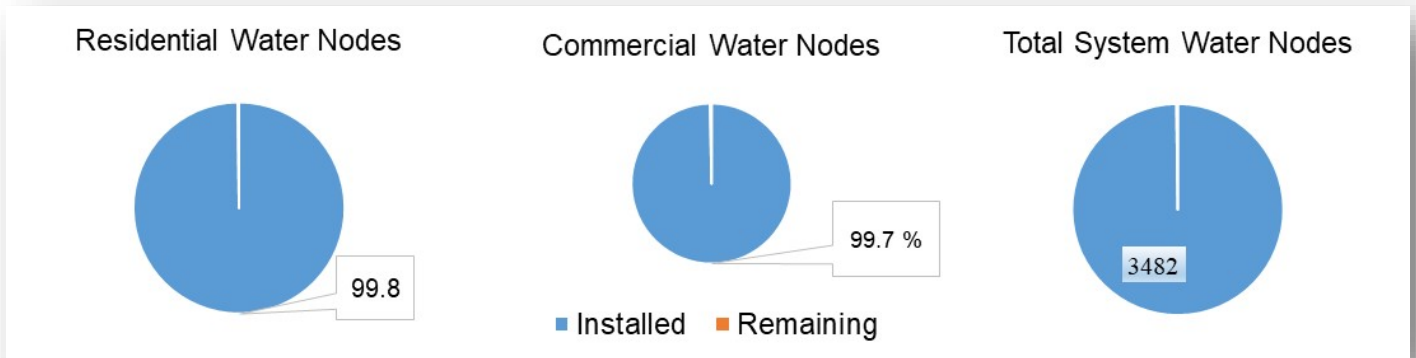
Sludge Landfill Operations

- 0.41 million gallons of leachate were hauled last month
- 2,856 cubic yards of sludge solids were hauled to the landfill



AMI Water Install Last Month

We installed 1 water nodes and/or meters in residential routes. We currently have 3482 (99%) active water nodes installed in the system.



Projects Performed Last Month

- Completed water fountain project at service center
- Completed annual hydrant flushing
- Oil changes on aeration basin mixers

Projects Scheduled for This Month

- Continue quadrant jetting and televising
- Outfall Pipe Improvements capital project
- Rebuild screen house pump