

GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT September 2021 Commission Meeting

Safety

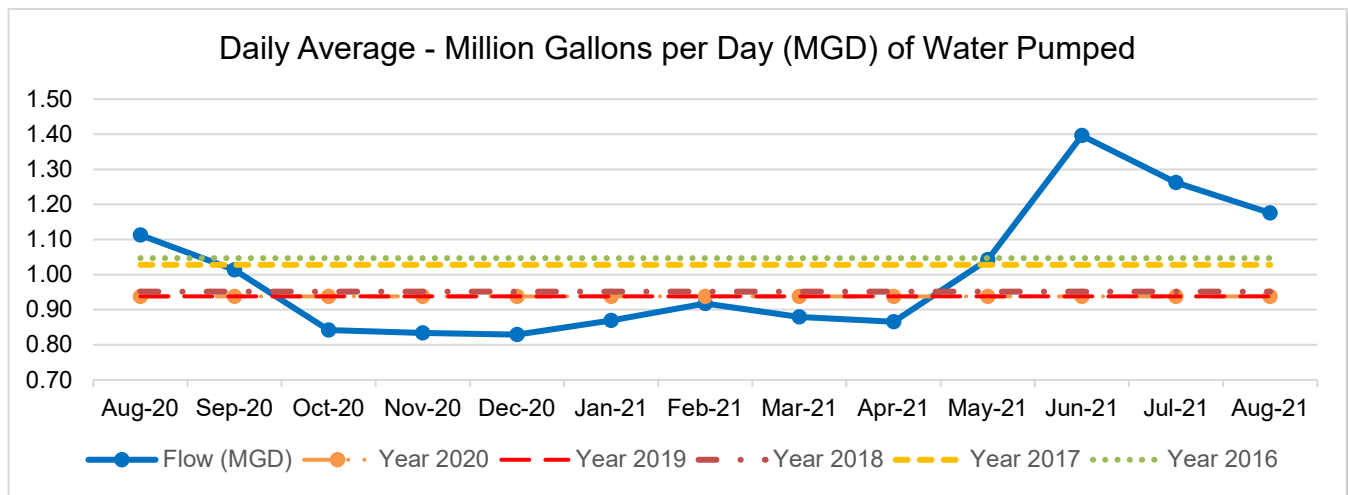
There were one OSHA lost time accident last month.

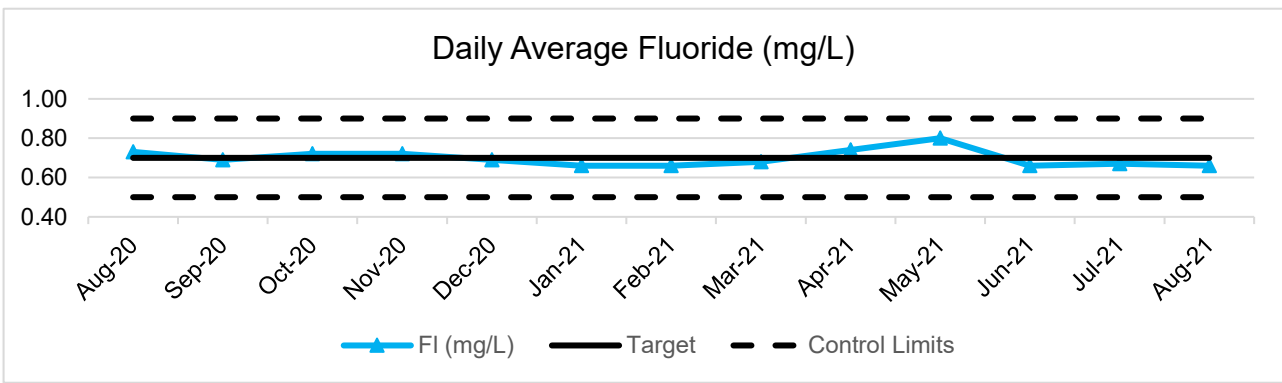
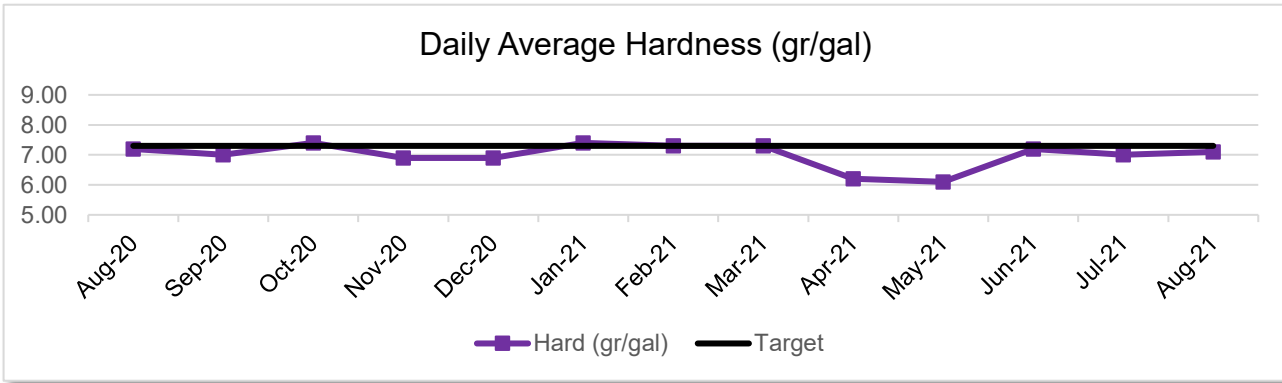
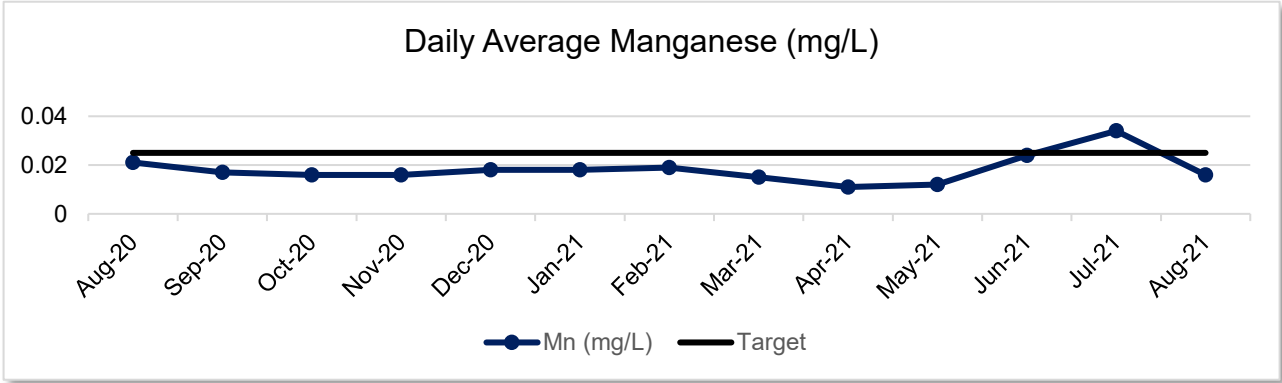
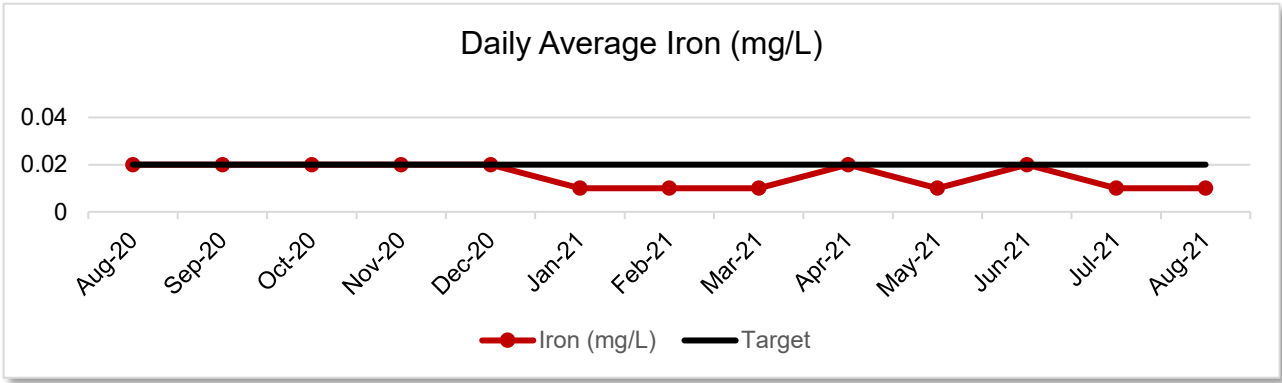
Topic of the Month

Water restrictions update.

WTP Operations

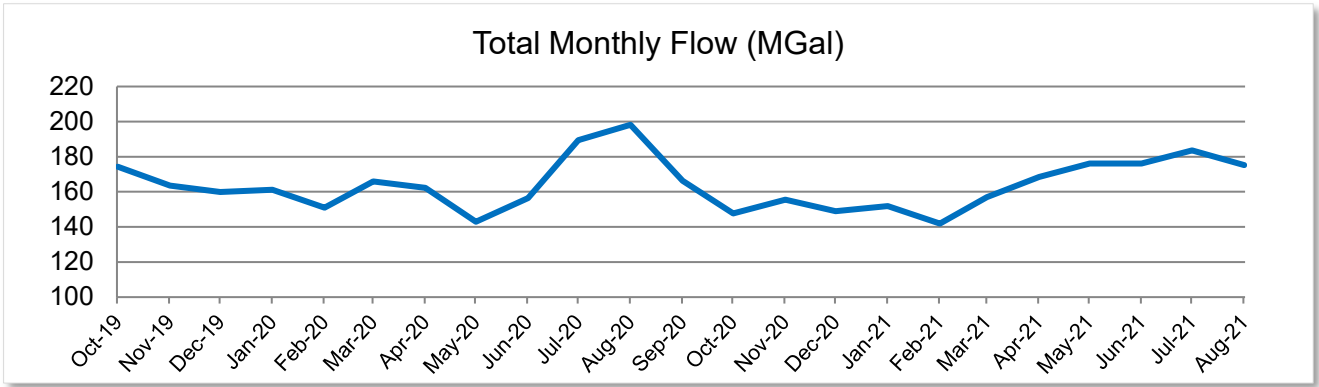
The water plant pumped an average of 1.18 million gallons of water per day (MGD) with a peak of 1.43 million gallons during last month.



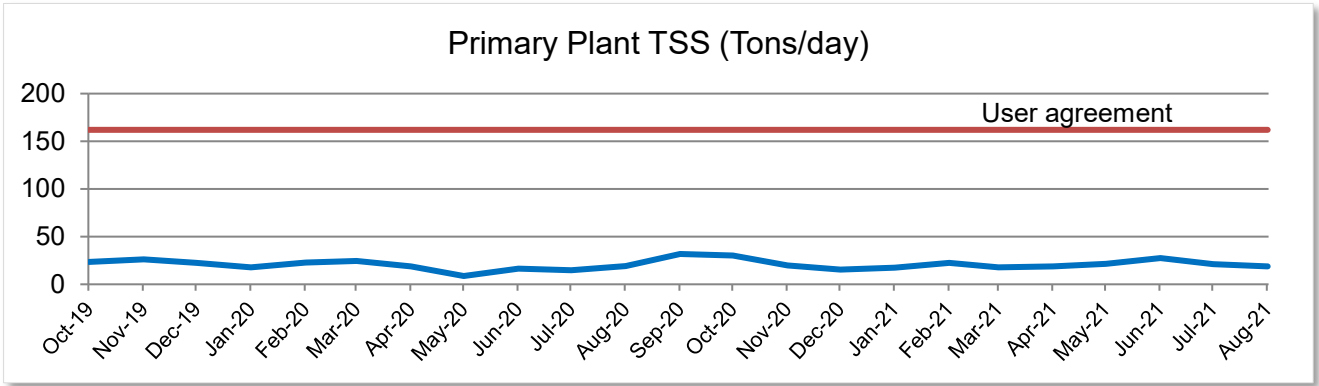


WWTP Operations

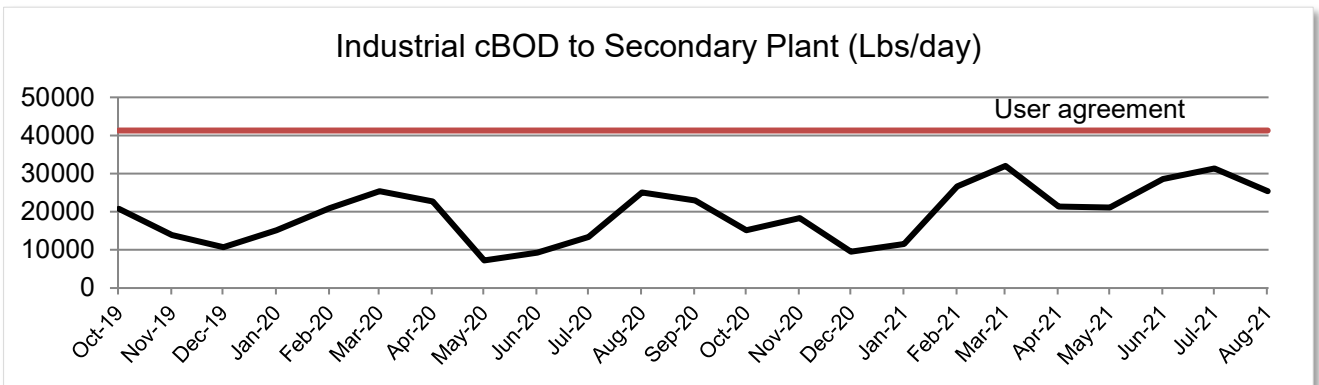
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 184 million gallons of water removing 99.7% of the Total Suspended Solids (TSS) and 99.7% Biochemical Oxygen Demand (cBOD).

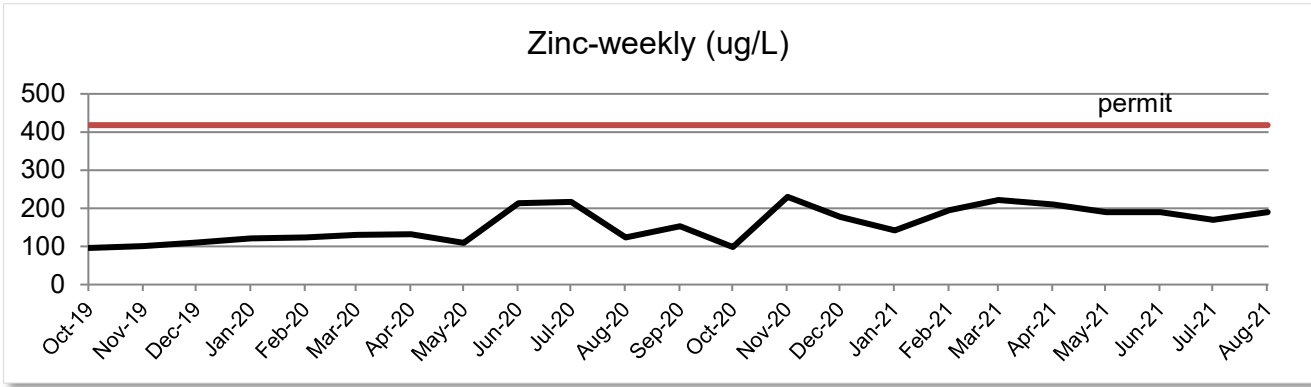


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	4.4
TSS (Tons/day)	162	18.7
TSS Peak (Tons/Day)	284	78.6

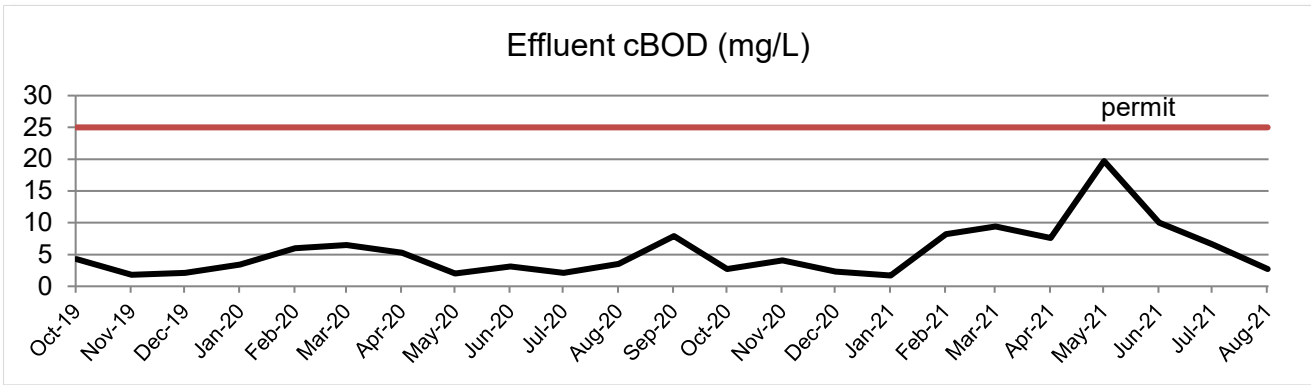
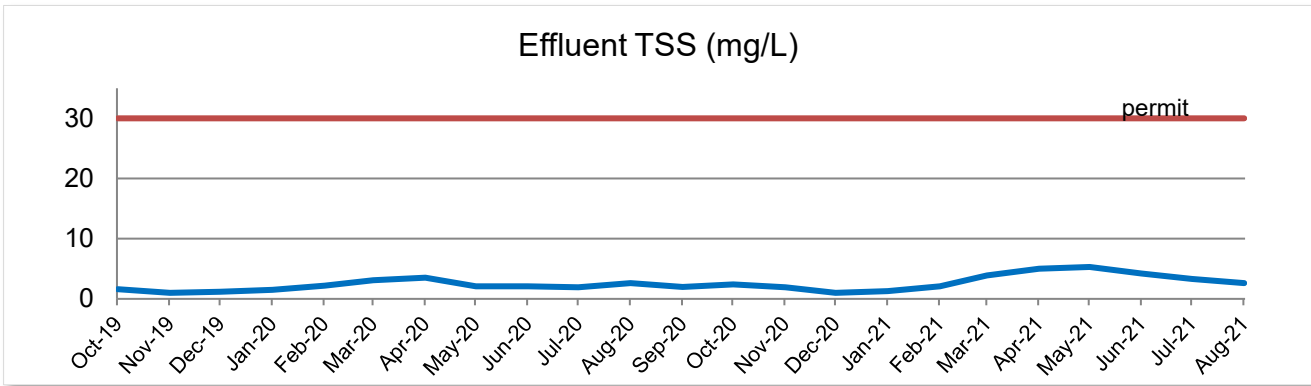


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.7
cBOD (lbs/Day)	41,300	28,285
Peak cBOD (lbs/Day)	57,350	39,596
Zinc-weekly (ug/L)	418	190
% GRPUC		28.4%



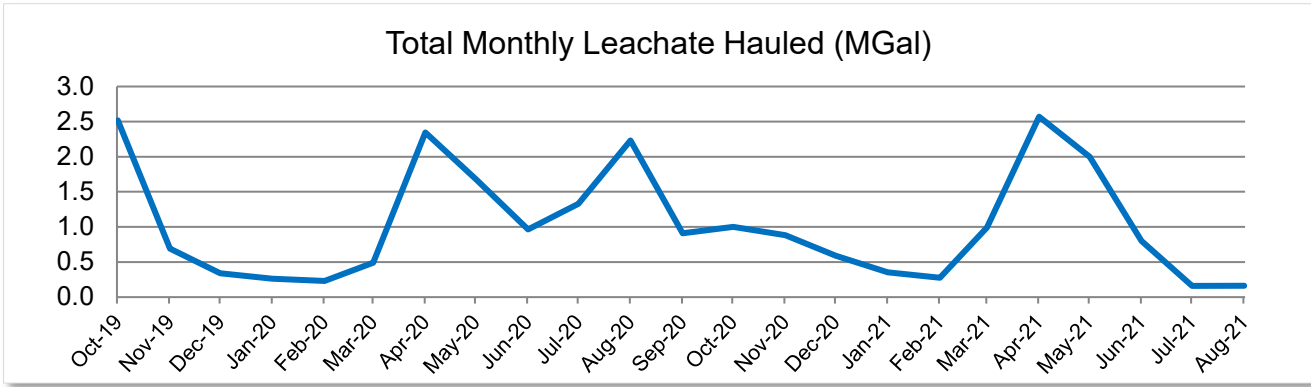


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	2.6
cBOD (mg/L) – monthly average	25	2.7
Dissolved Oxygen (mg/L)	>1.0	4.3



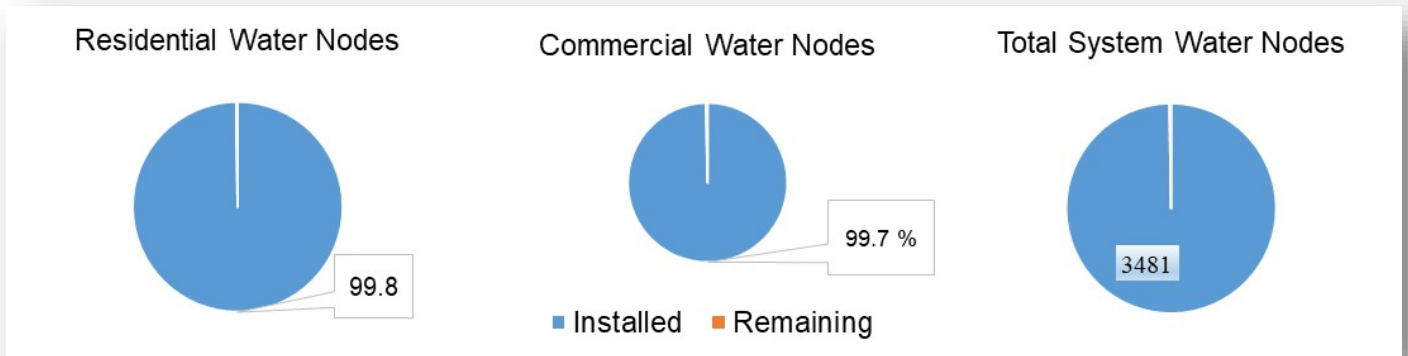
Sludge Landfill Operations

- 0.16 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 15 water nodes and/or meters in residential routes. We currently have 3481 (99.8%) active water nodes installed in the system.



Projects Performed Last Month

- Completed Lift station 4 controls update capital project.
- Completed oil changes on aeration basin mixers.
- Replaced number 3 screen house pump.

Projects Scheduled for This Month

- East valve pit actuator capital project
- Water Treatment Plant capital needs assessment.
- Annual hydrant flushing