

GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

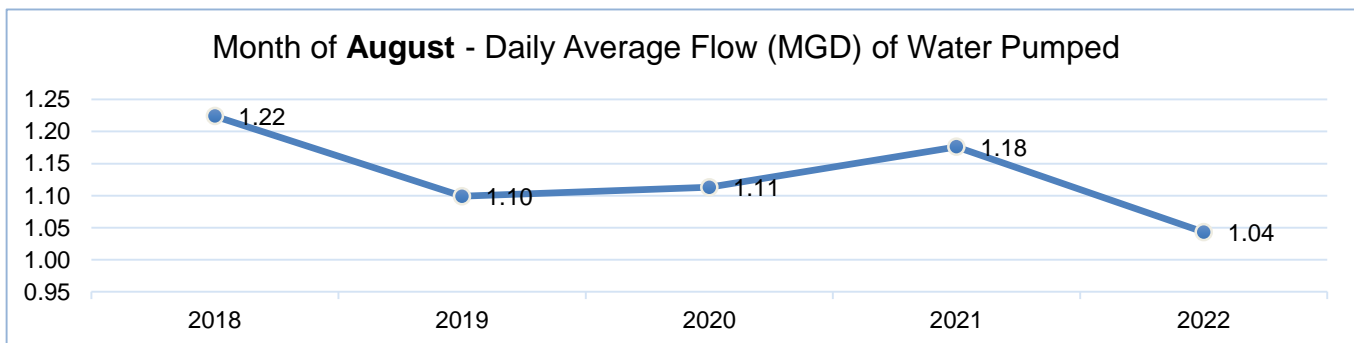
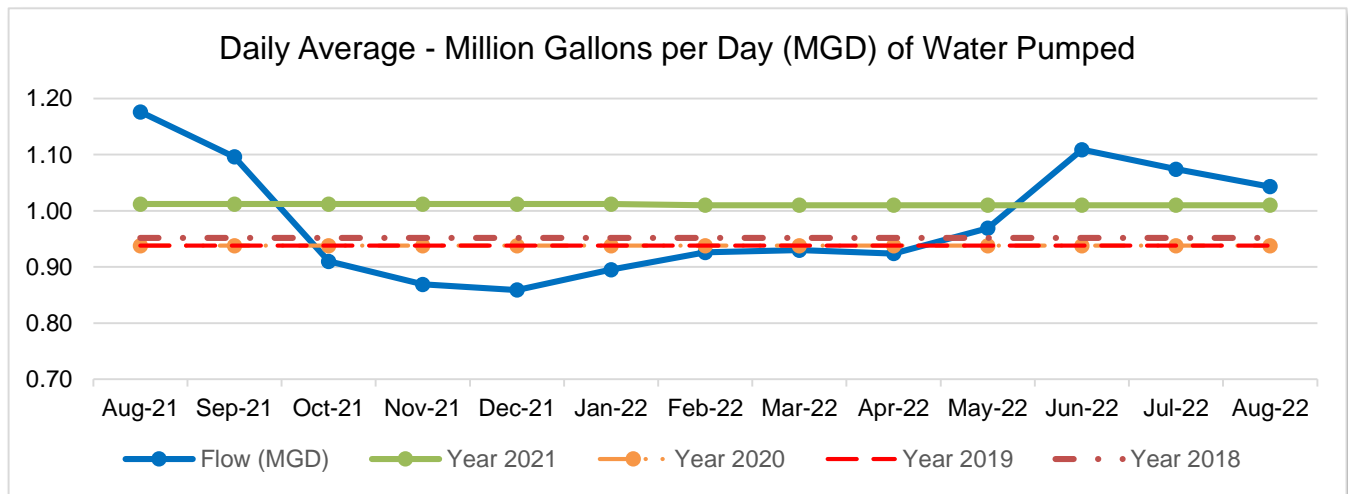
WATER & WASTEWATER DEPARTMENT MONTHLY REPORT September 2022 Commission Meeting

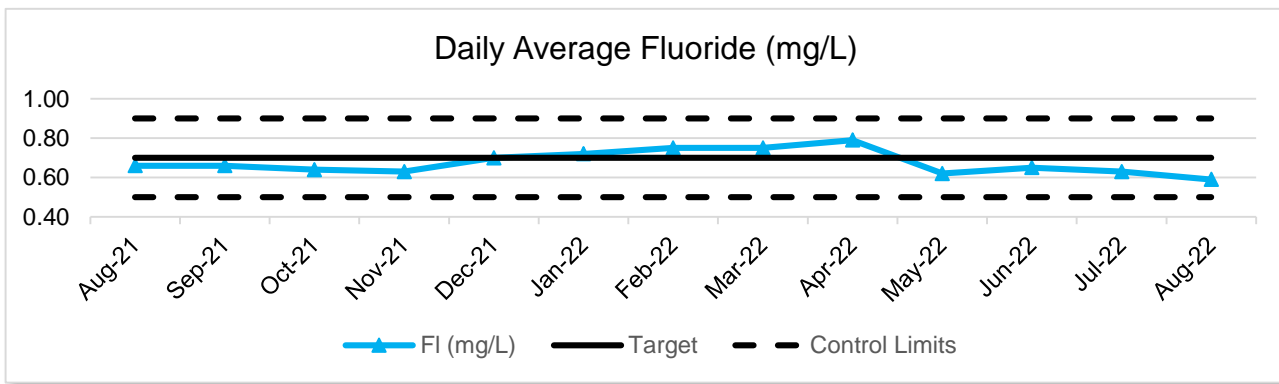
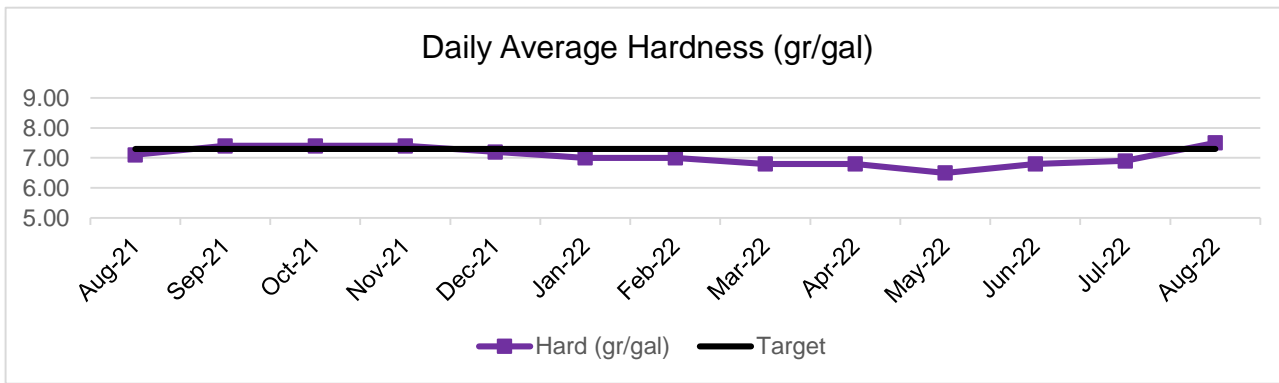
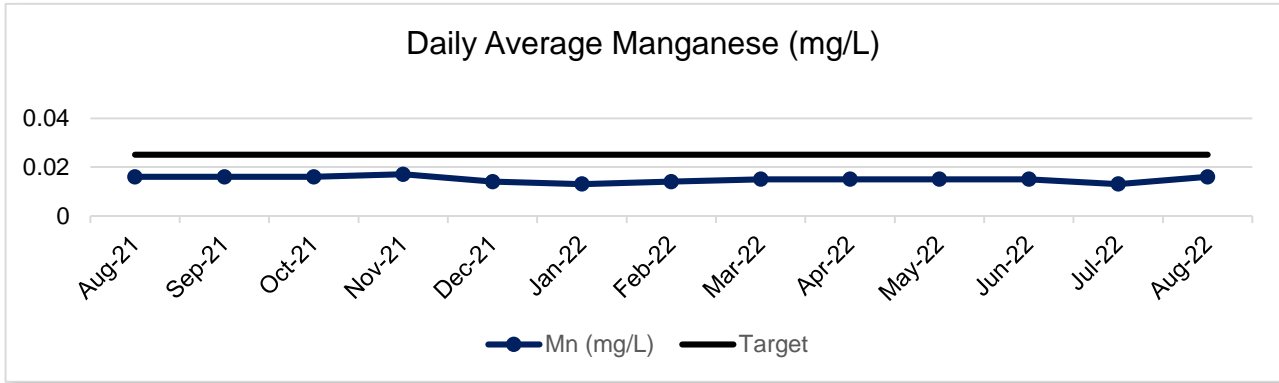
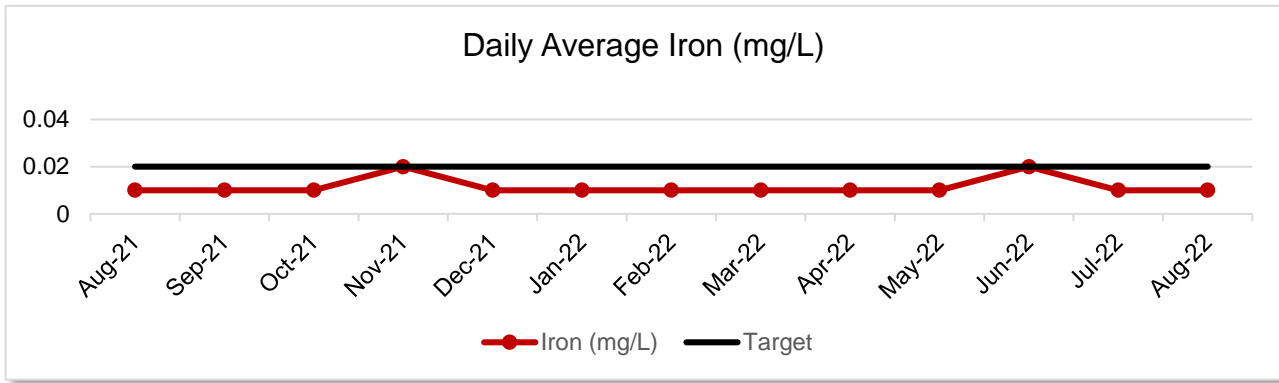
Safety

There were no OSHA recordable accidents last month.

Water Operations

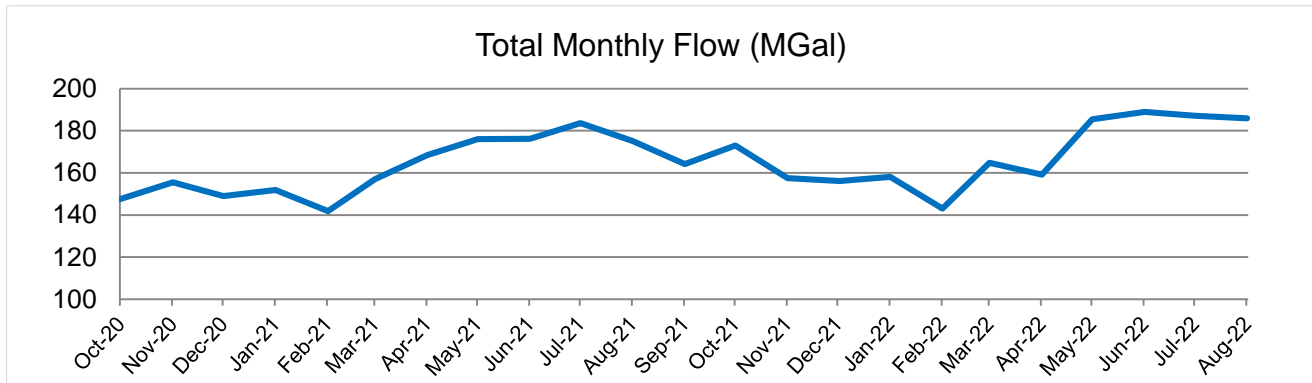
The water plant pumped an average of 1.04 million gallons of water per day (MGD) with a peak of 1.28 million gallons during last month.



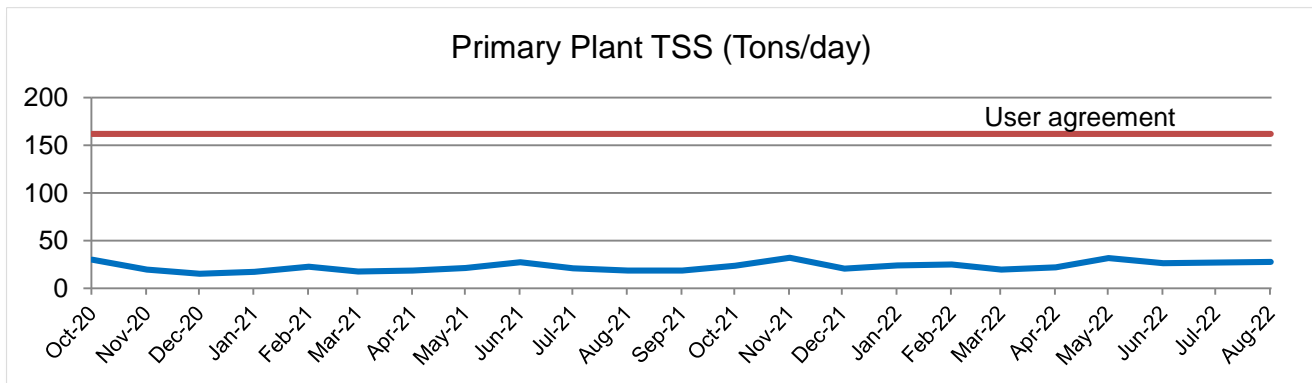


Wastewater Operations

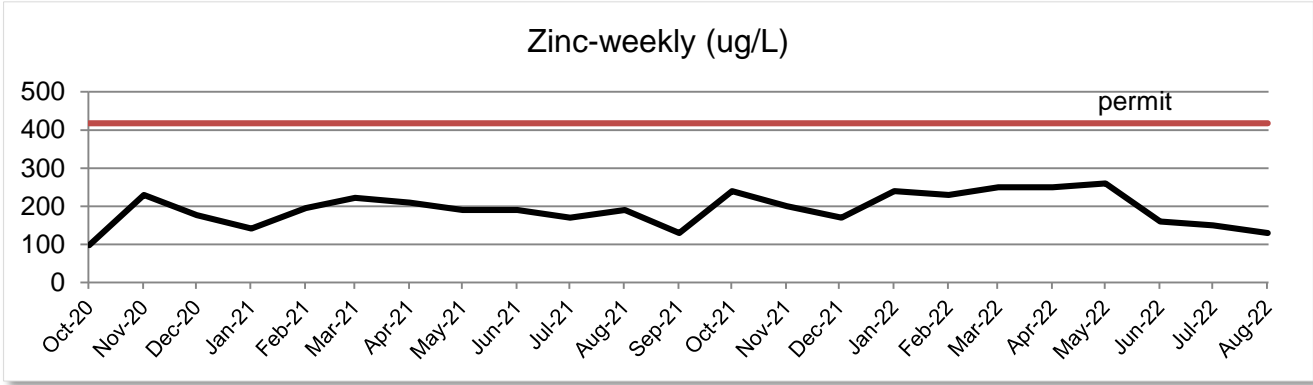
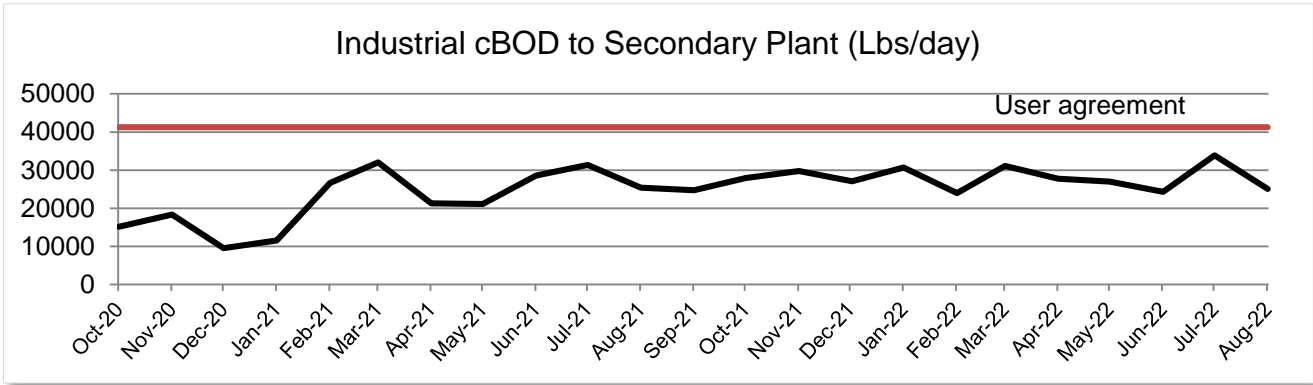
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 186 million gallons of water removing 99.7% of the Total Suspended Solids (TSS) and 99.5% Biochemical Oxygen Demand (cBOD).



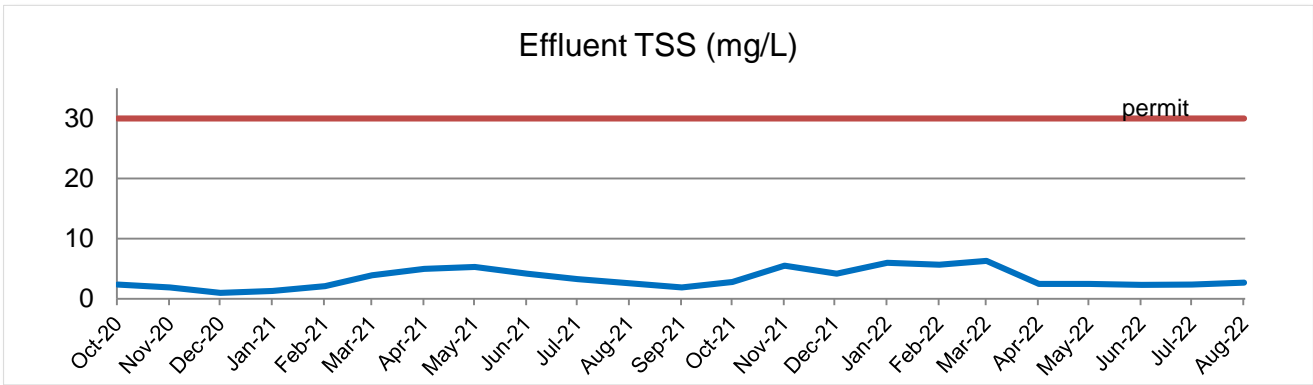
	Design Limits (monthly AVG)	Actual Results
<u>Primary Plant</u>		
Flow (MGD)	13.25	4.4
TSS (Tons/day)	162	27.8
TSS Peak (Tons/Day)	284	67.3

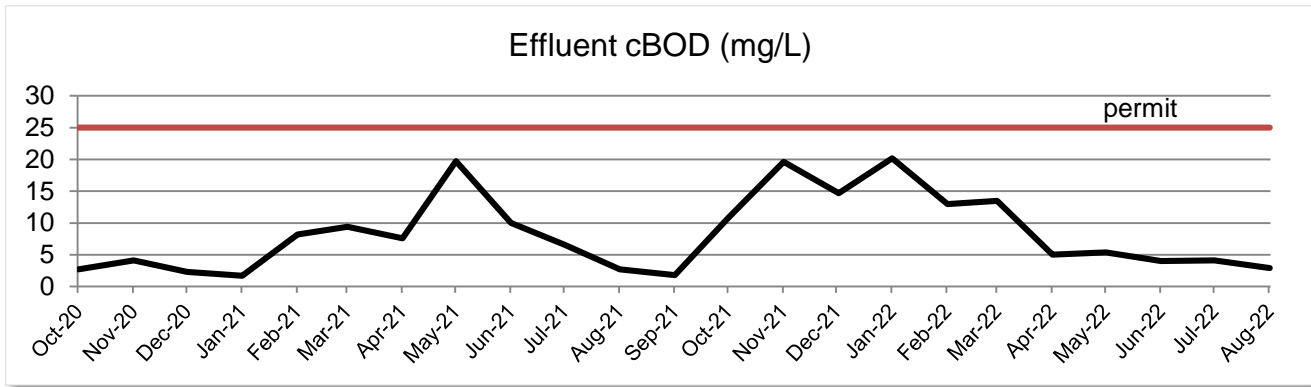


	Design Limits (monthly AVG)	Actual Results
<u>Secondary Plant</u>		
Flow (MGD)	15.25	6.0
cBOD (lbs/Day)	41,300	27,666
Peak cBOD (lbs/Day)	57,350	49,518
Zinc-weekly (ug/L)	418	130
% GRPUC		27.7%



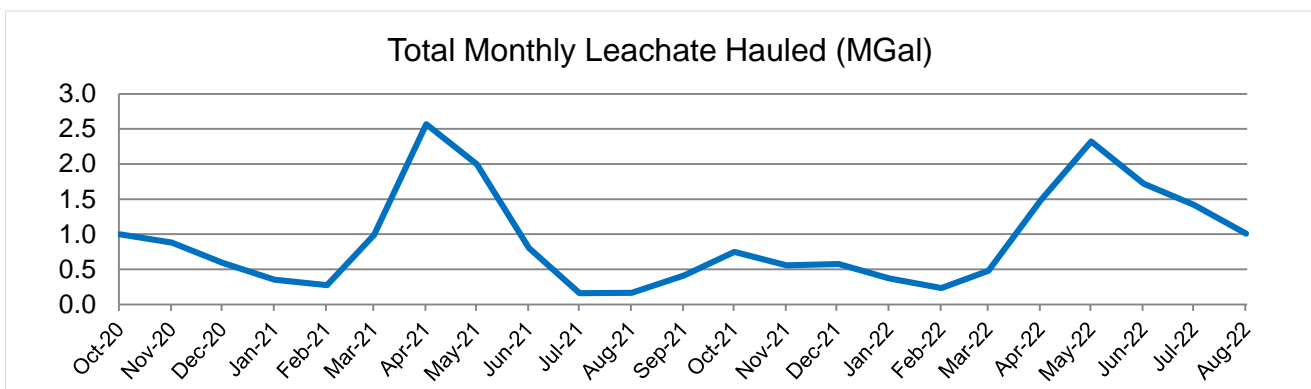
	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	2.7
cBOD (mg/L) – monthly average	25	2.9
Dissolved Oxygen (mg/L)	>1.0	5.2





Sludge Landfill Operations

- 1.01 million gallons of leachate were hauled last month
- 3,516 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 are still awaiting delivery on nodes ordered in December 2020. We have been told that we should finally see some nodes in the month of September.

Projects Performed Last Month

- Jetting and televising the collection system in the SE part of Grand Rapids.
- Repaired broken drive shaft on sludge screw conveyor.
- Landfill road repairs and patches.

Projects Scheduled for This Month

- Jetting and televising the collection system in SE.
- Hydrant flushing – entire city.
- Capex - Painting primary clarifier #1 (PC #2 has been completed)