

GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT January 2022 Commission Meeting

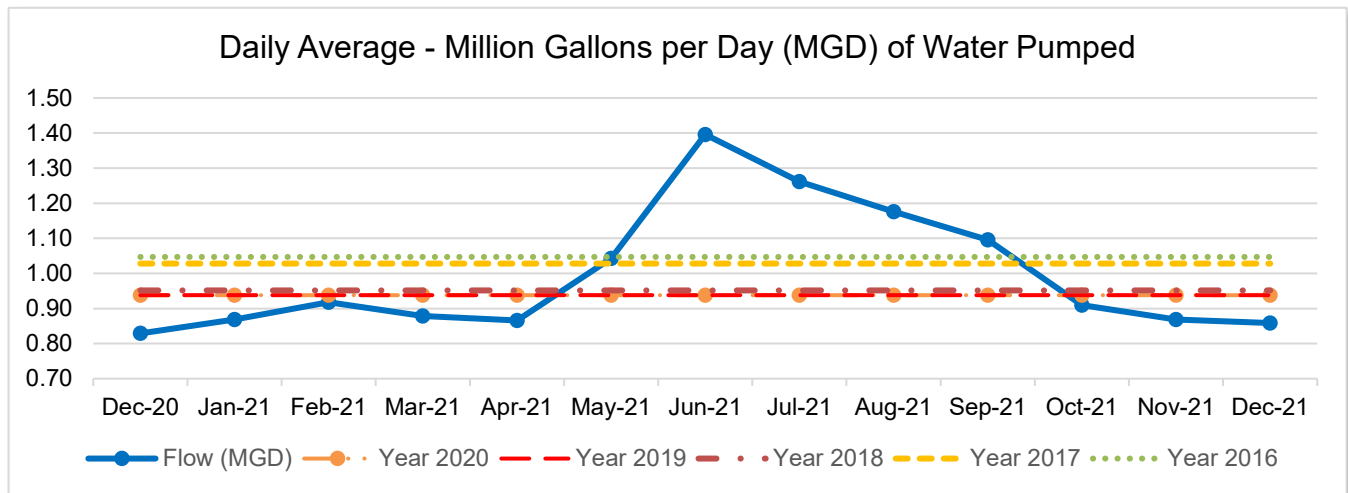
Safety

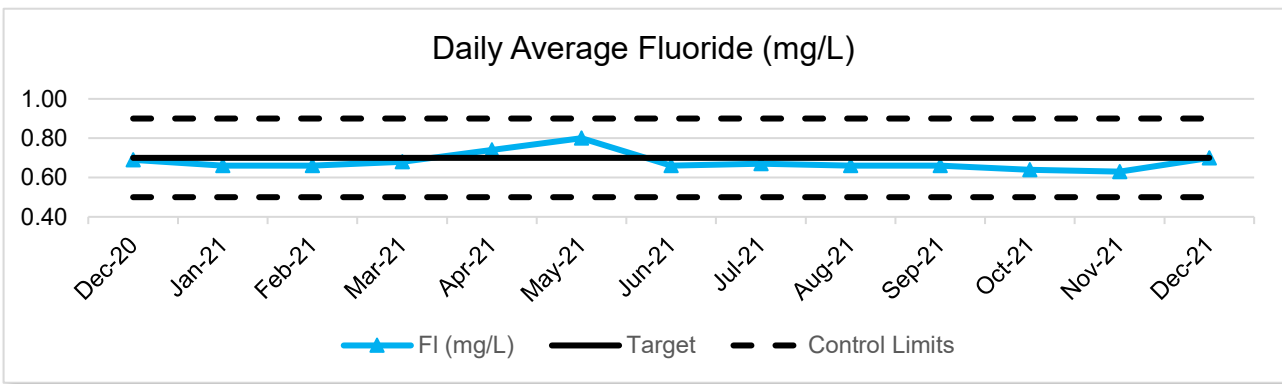
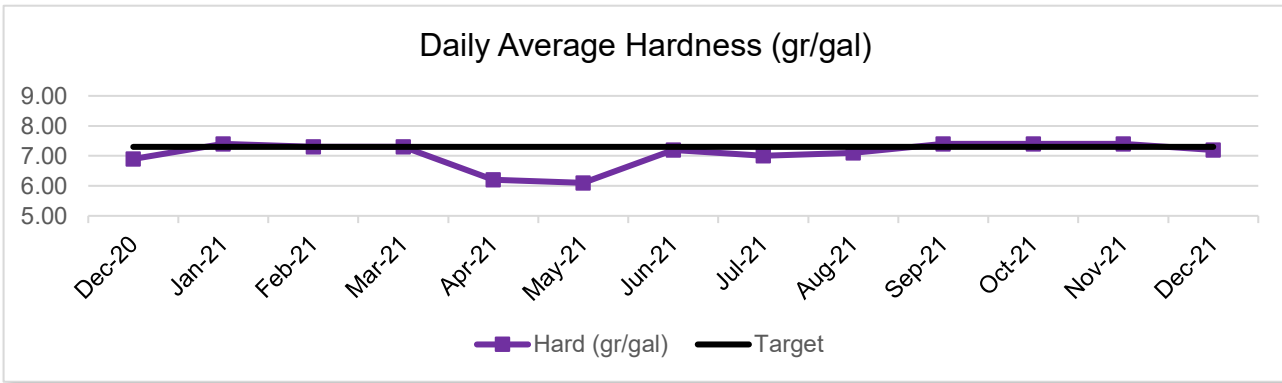
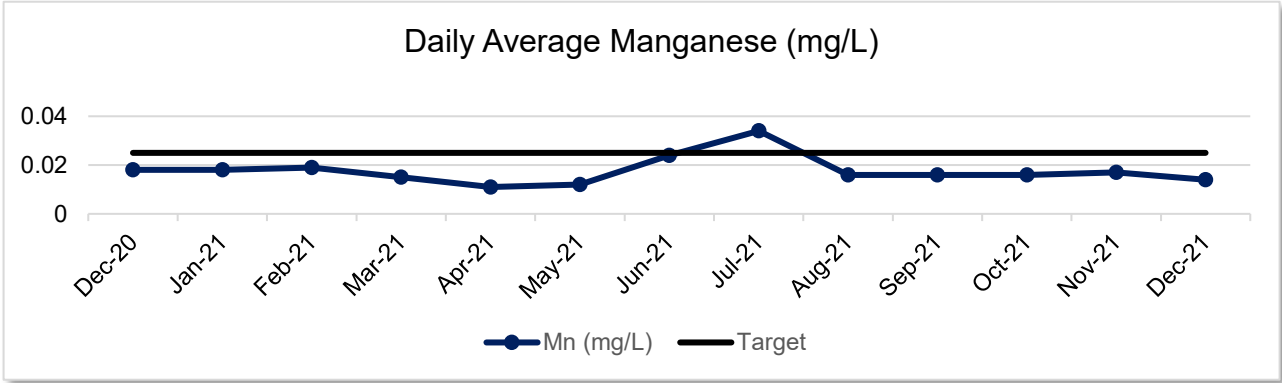
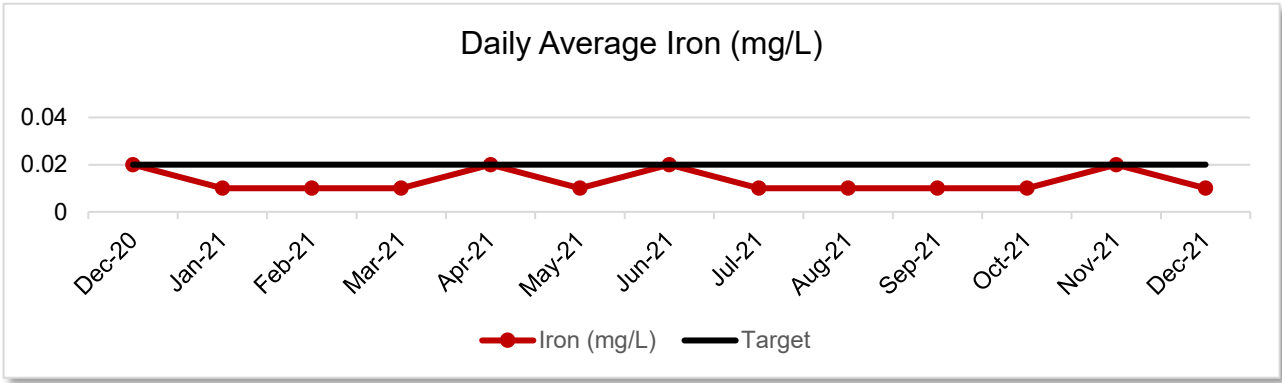
There were no OSHA recordable accidents last month.

WTP Operations

The water plant pumped an average of 0.86 million gallons of water per day (MGD) with a peak of 1.02 million gallons during last month.

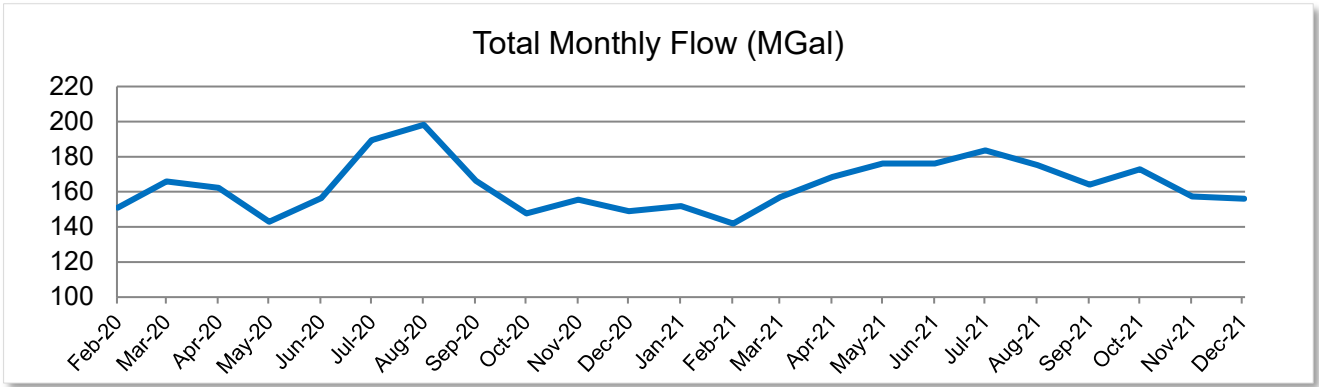
Water main break near Ace Hardware – lost 50,000 gallons



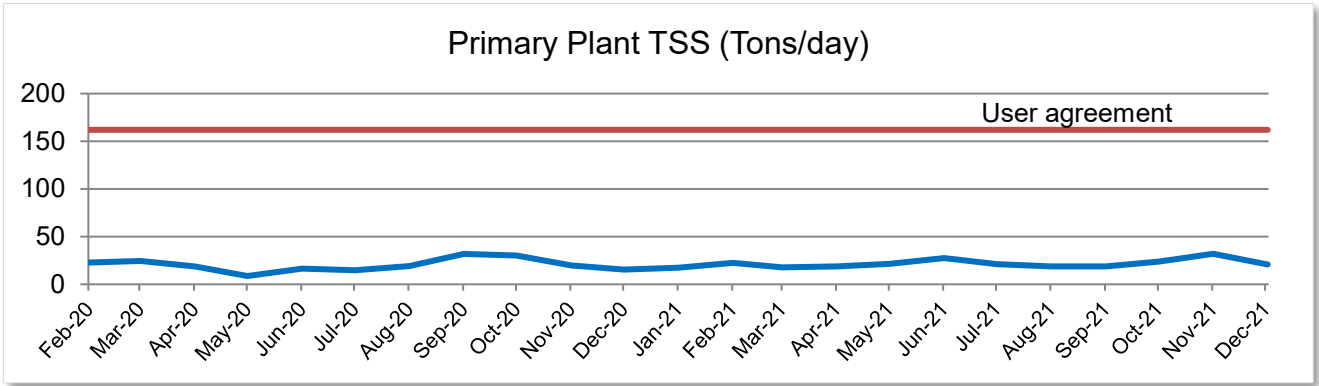


WWTP Operations

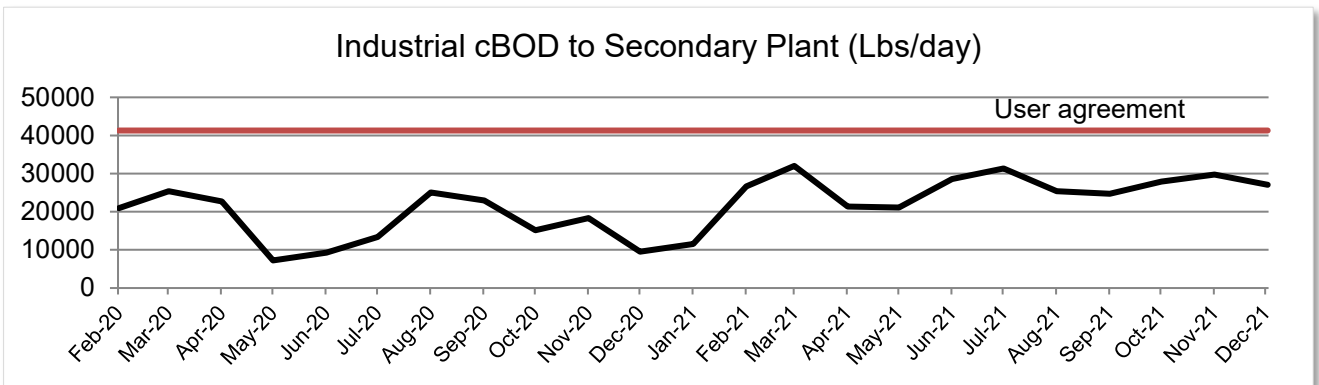
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 156 million gallons of water removing 99.5% of the Total Suspended Solids (TSS) and 96.8% Biochemical Oxygen Demand (cBOD).

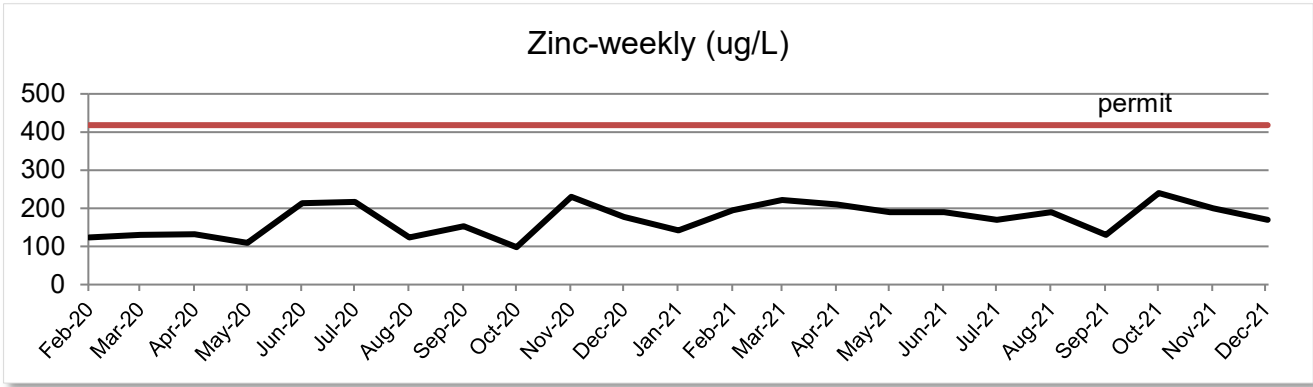


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	3.9
TSS (Tons/day)	162	20.8
TSS Peak (Tons/Day)	284	51.6

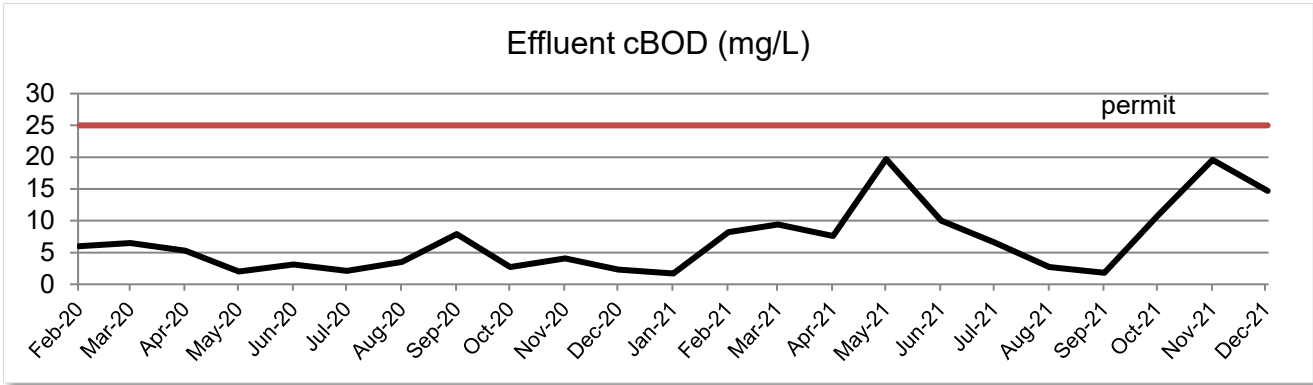
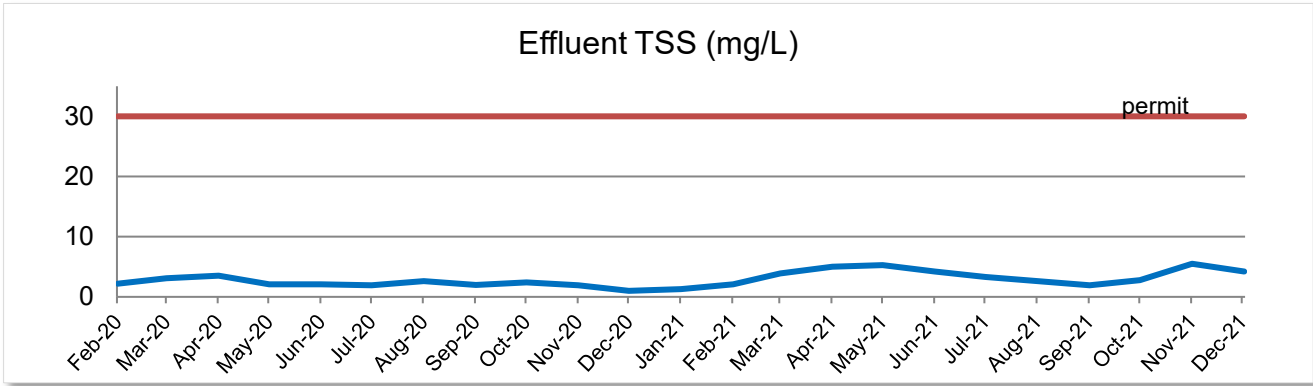


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.0
cBOD (lbs/Day)	41,300	27,777
Peak cBOD (lbs/Day)	57,350	42,073
Zinc-weekly (ug/L)	418	170
% GRPUC		24.3%



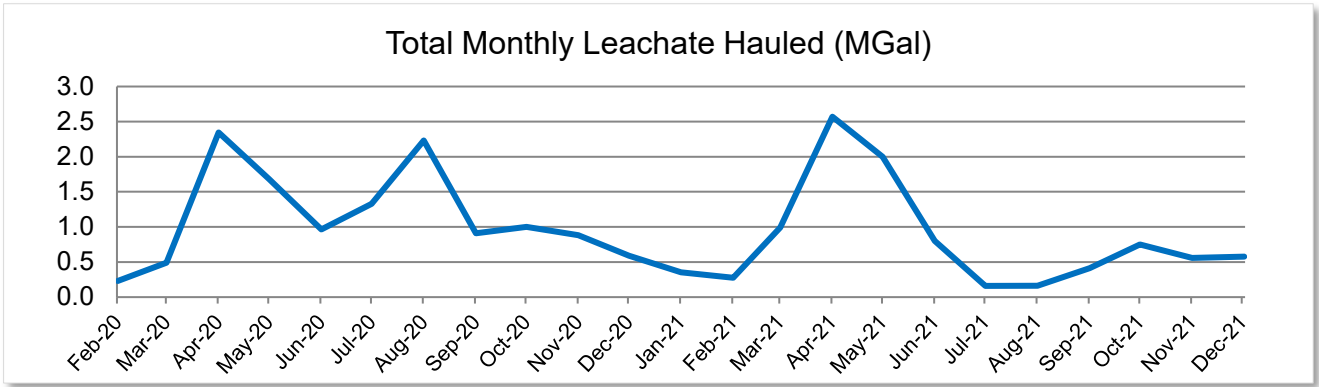


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	5.5
cBOD (mg/L) – monthly average	25	19.6
Dissolved Oxygen (mg/L)	>1.0	5.1



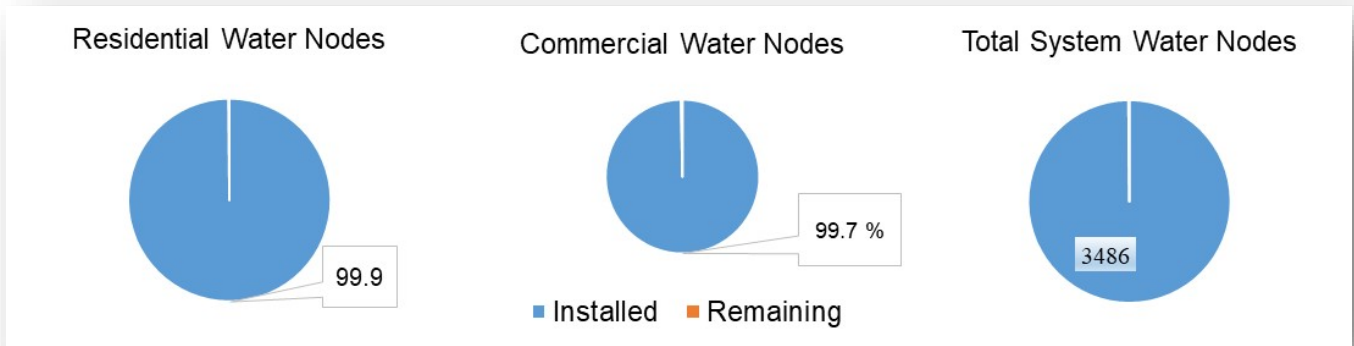
Sludge Landfill Operations

- 0.58 million gallons of leachate were hauled last month
- 4,860 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 3486 (99%) active water nodes installed in the system.



Projects Performed Last Month

- Rebuilt the WTP filter backwash pump
- Service center HVAC work
- Rebuilt the WWTP site lift gate

Projects Scheduled for This Month

- Install Sumotomo blower at the WTP for filters
- Rebuild of primary sludge pump 1A
- Rebuild 5 hp KSB pump lift station pump