

GRAND RAPIDS
PUBLIC UTILITIES

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500 SE Fourth Street • Grand Rapids, Minnesota 55744

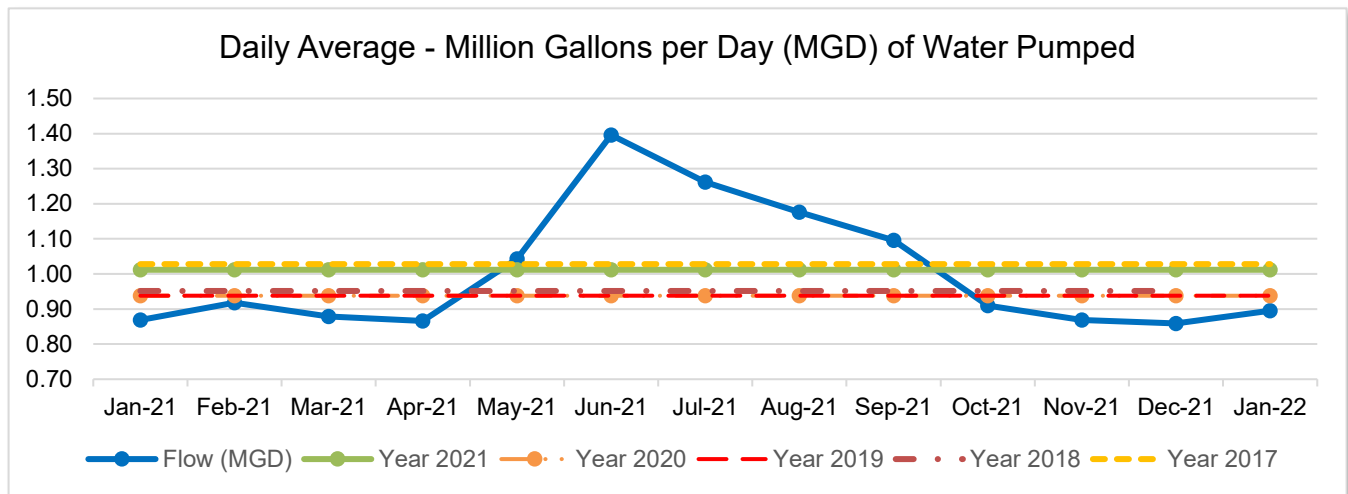
WATER & WASTEWATER DEPARTMENT MONTHLY REPORT February 2022 Commission Meeting

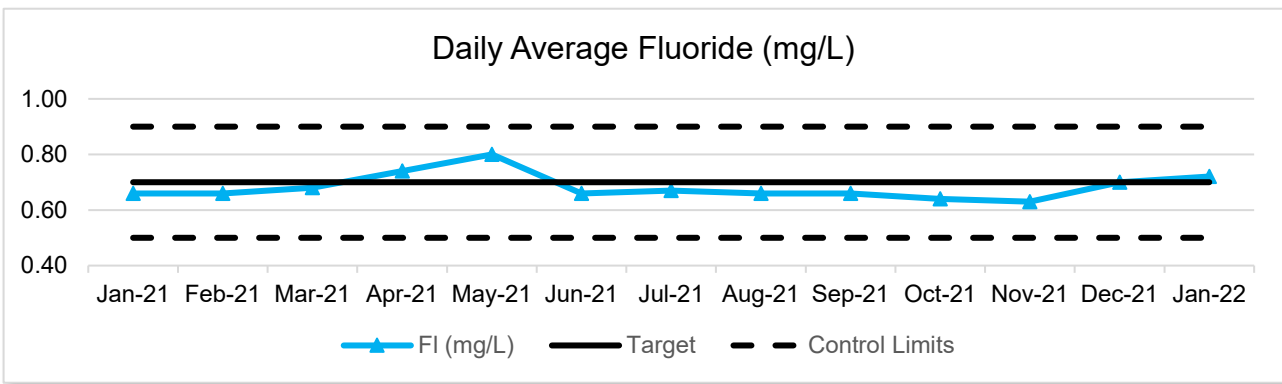
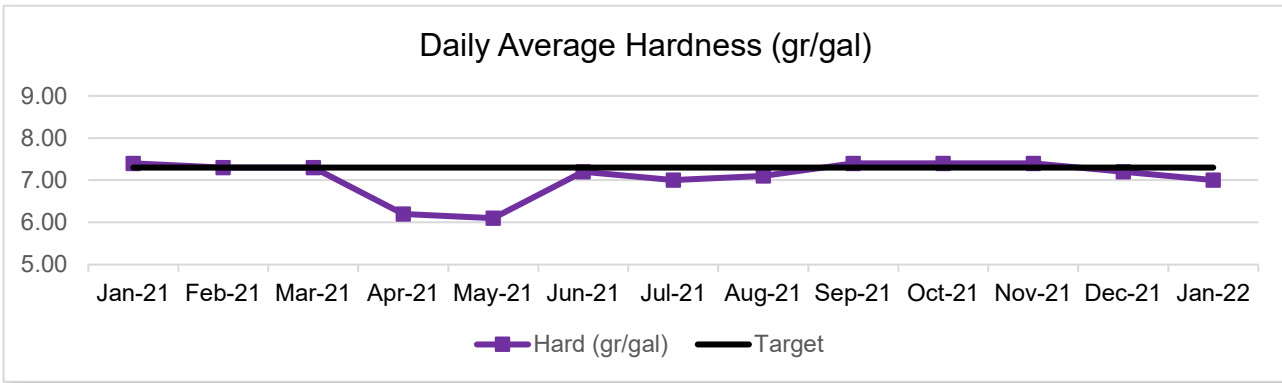
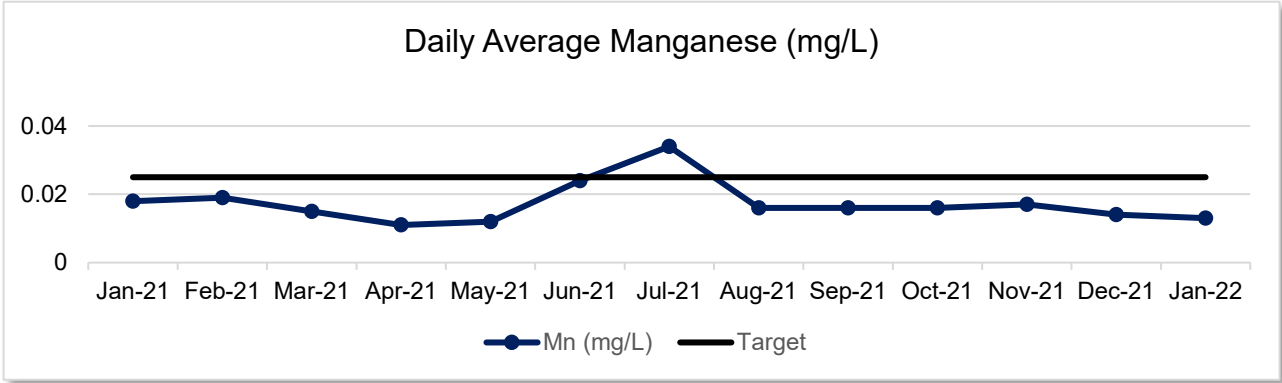
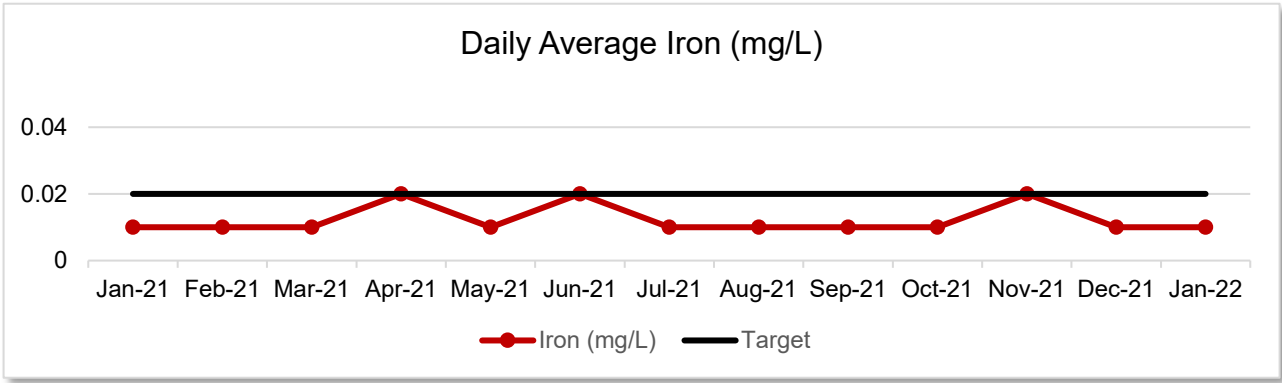
Safety

There were no OSHA recordable accidents last month.

WTP Operations

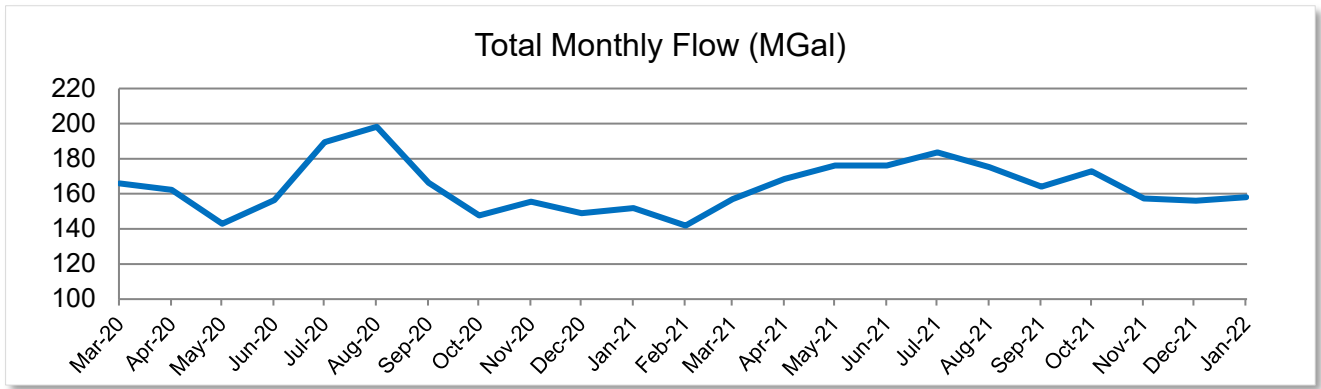
The water plant pumped an average of 0.90 million gallons of water per day (MGD) with a peak of 1.02 million gallons during last month.



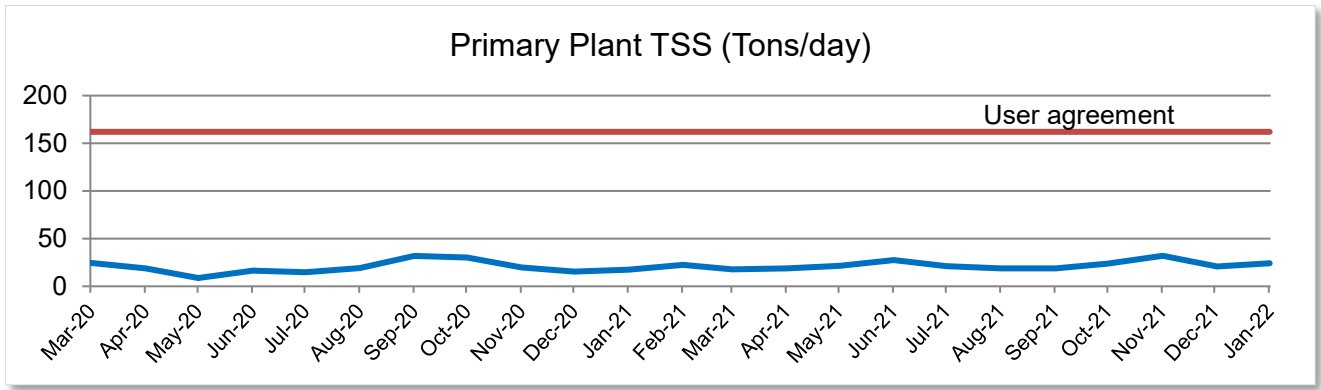


WWTP Operations

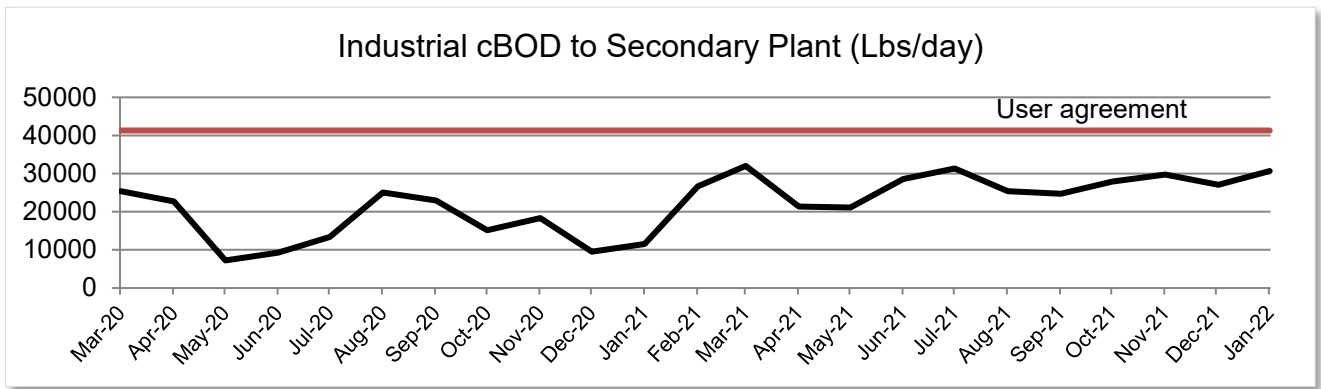
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 158 million gallons of water removing 99.4% of the Total Suspended Solids (TSS) and 97.9% Biochemical Oxygen Demand (cBOD).

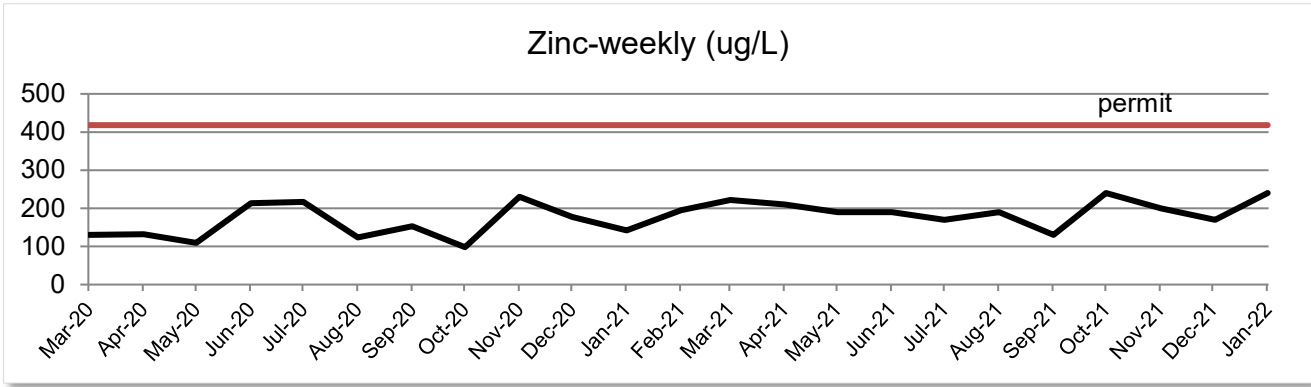


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	4.0
TSS (Tons/day)	162	24.1
TSS Peak (Tons/Day)	284	64.8

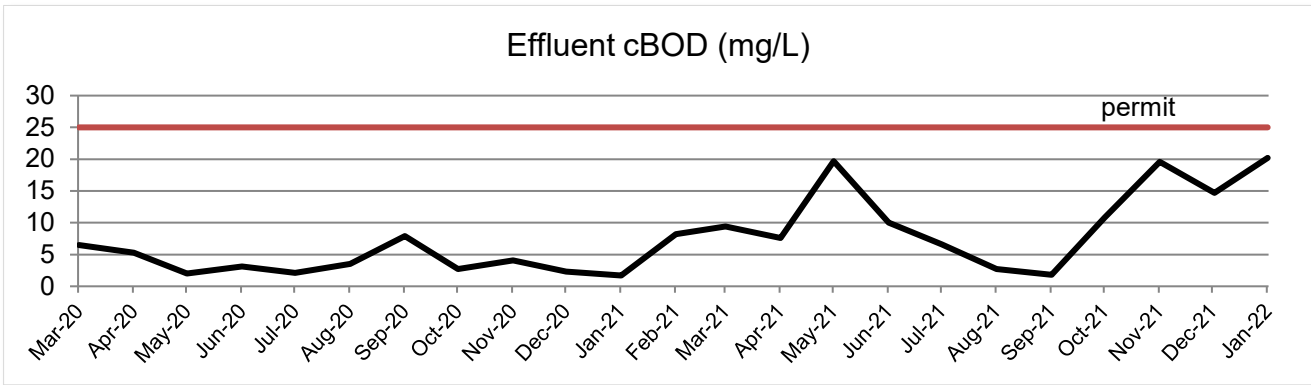
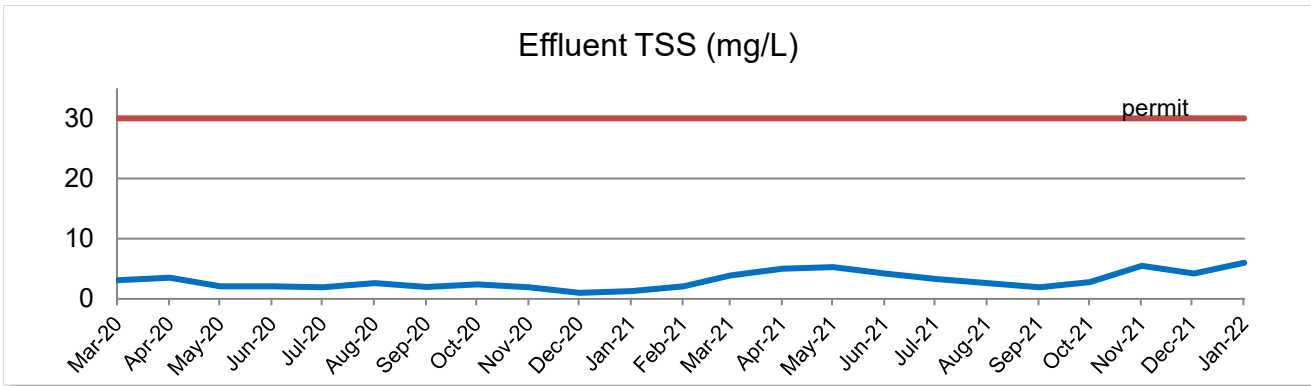


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.1
cBOD (lbs/Day)	41,300	33,240
Peak cBOD (lbs/Day)	57,350	47,696
Zinc-weekly (ug/L)	418	240
% GRPUC		23.5%



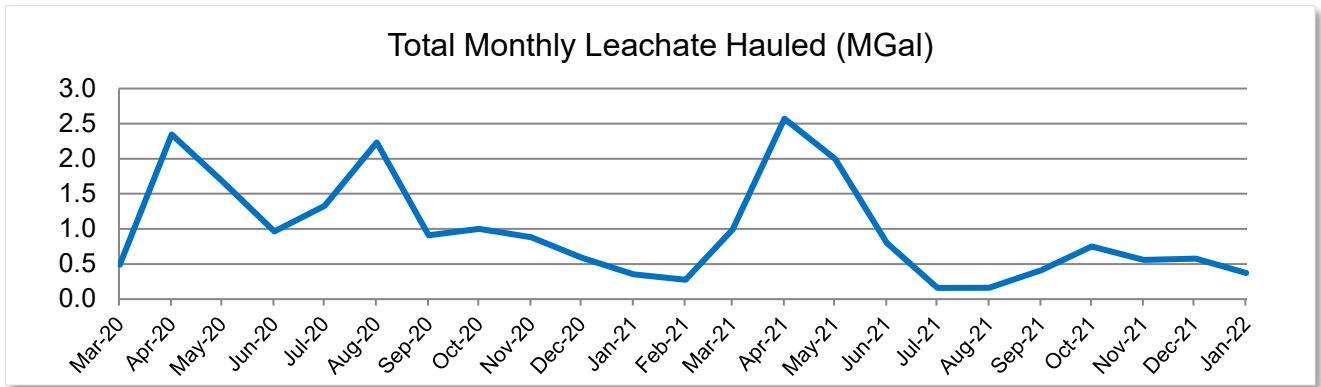


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	6.0
cBOD (mg/L) – monthly average	25	20.2
Dissolved Oxygen (mg/L)	>1.0	3.2



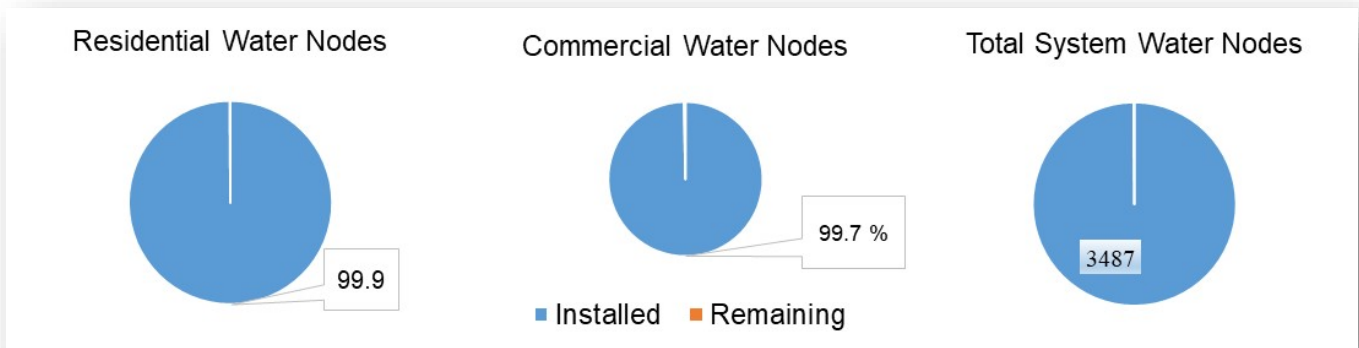
Sludge Landfill Operations

- 0.37 million gallons of leachate were hauled last month
- 4,092 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 3487 (99%) active water nodes installed in the system.



Projects Performed Last Month

- Installed Sumotomo blower at WTP
- Rebuilt 5 hp KSP lift station pump
- Rebuilt and installed primary sludge pump 1A

Projects Scheduled for This Month

- Change out motor on aeration basin mixer A1
- Install air compressor at WTP
- Repair Helen filter for WWT secondary plant EWS system