

GRAND RAPIDS
PUBLIC UTILITIES

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500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT April 2022 Commission Meeting

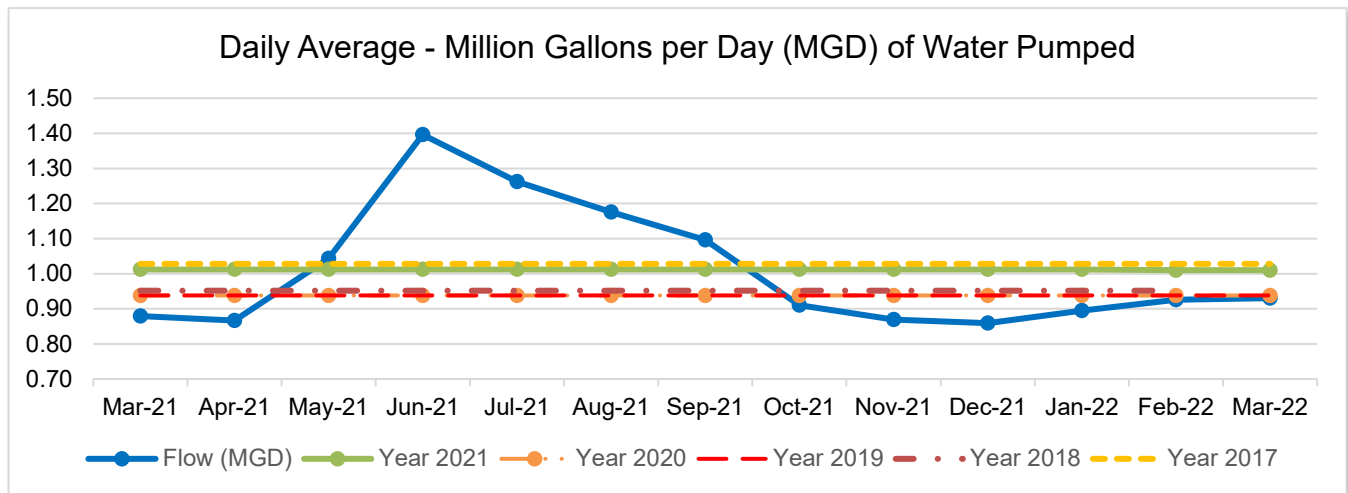
Safety

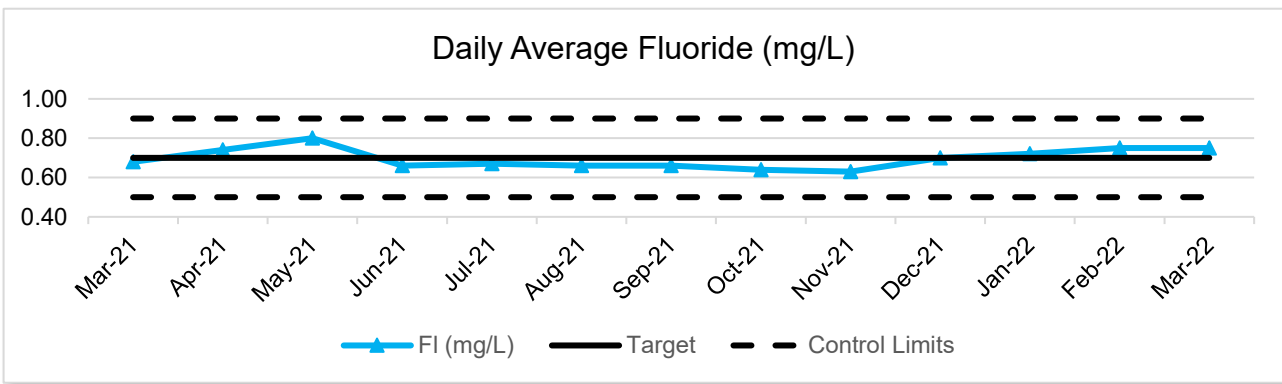
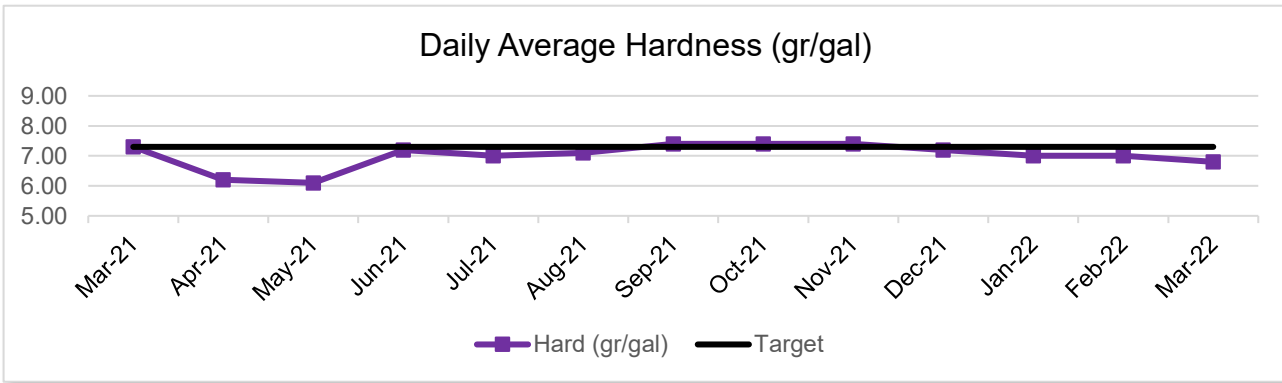
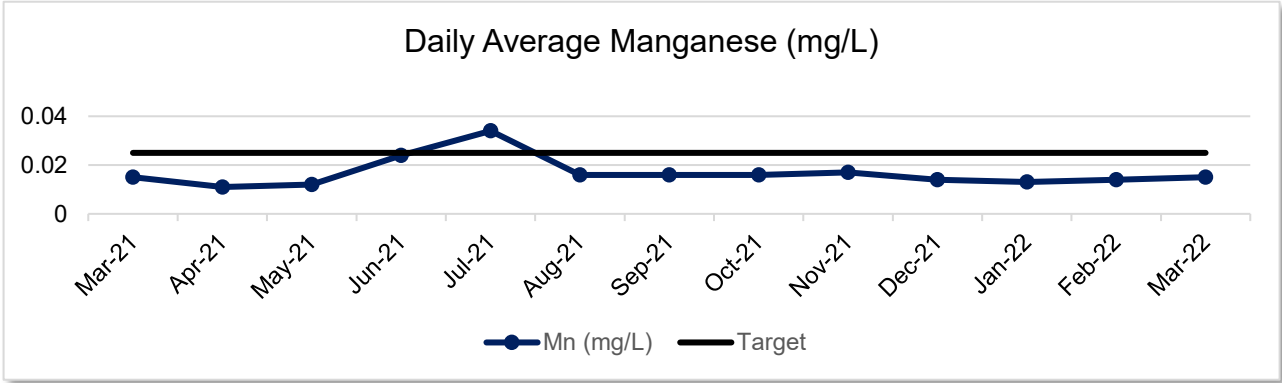
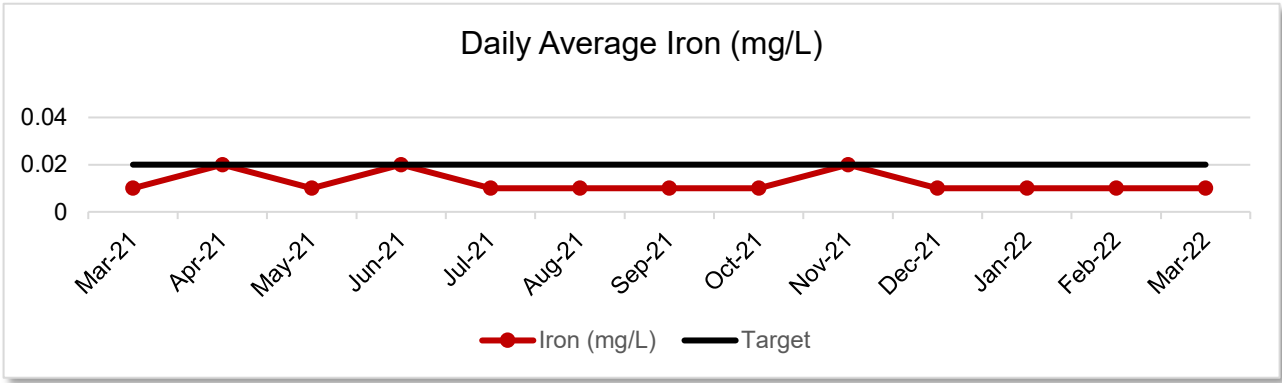
There were no OSHA recordable accidents in the Water-Wastewater Department last month.

WTP Operations

The water plant pumped an average of 0.93 million gallons of water per day (MGD) with a peak of 1.07 million gallons during last month.

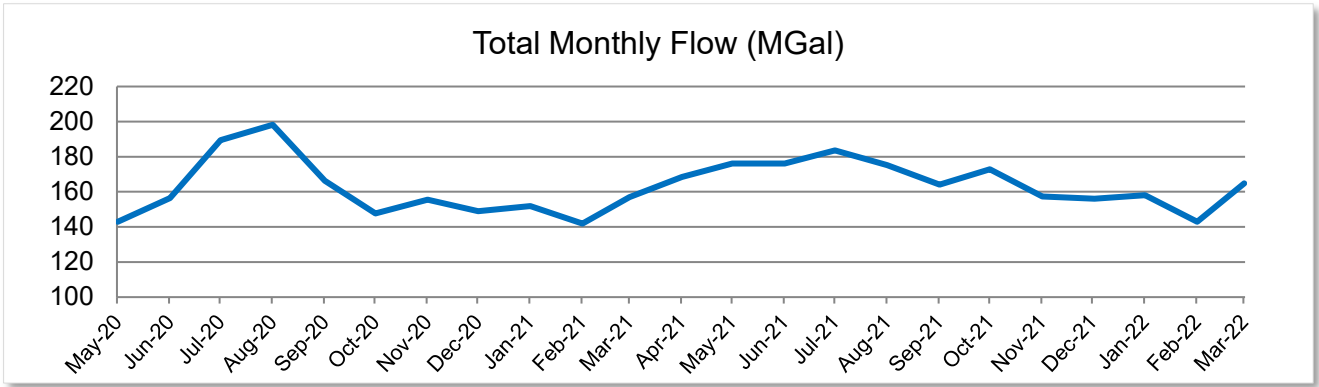
181 customers on the water run list. 33 water thaws last month.



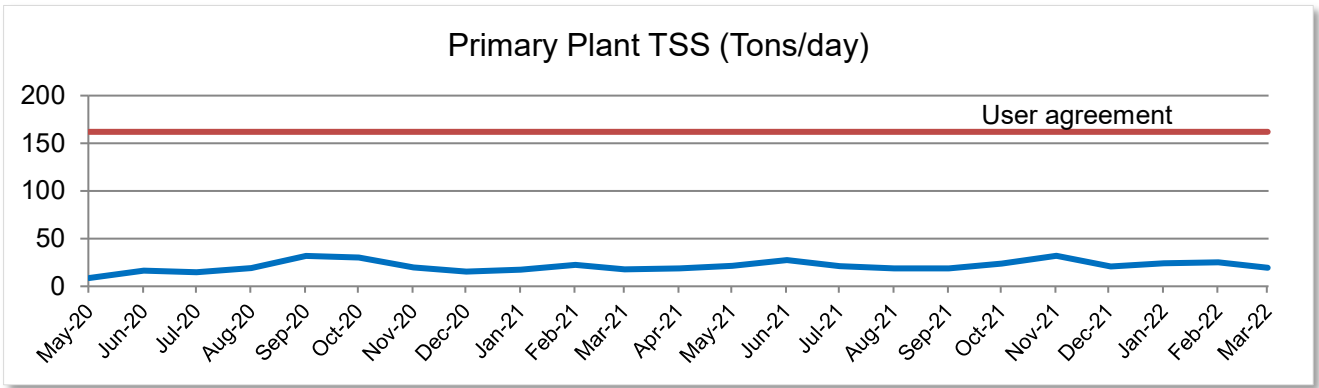


WWTP Operations

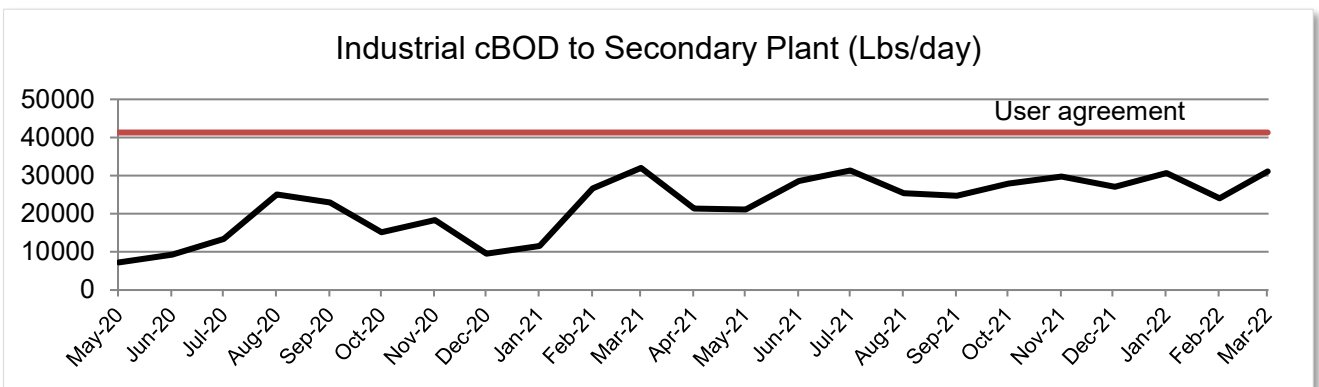
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 165 million gallons of water removing 99.1% of the Total Suspended Solids (TSS) and 97.3% Biochemical Oxygen Demand (cBOD).

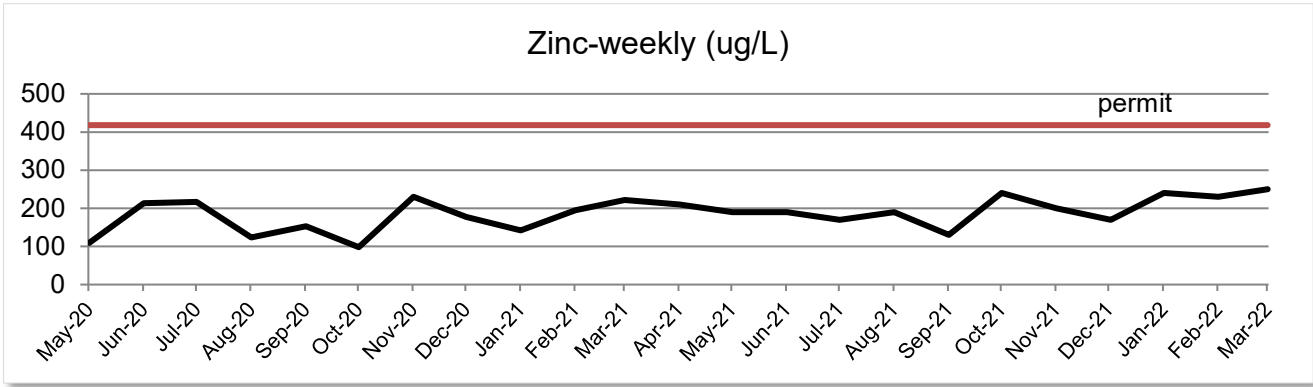


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	4.1
TSS (Tons/day)	162	19.6
TSS Peak (Tons/Day)	284	30.1

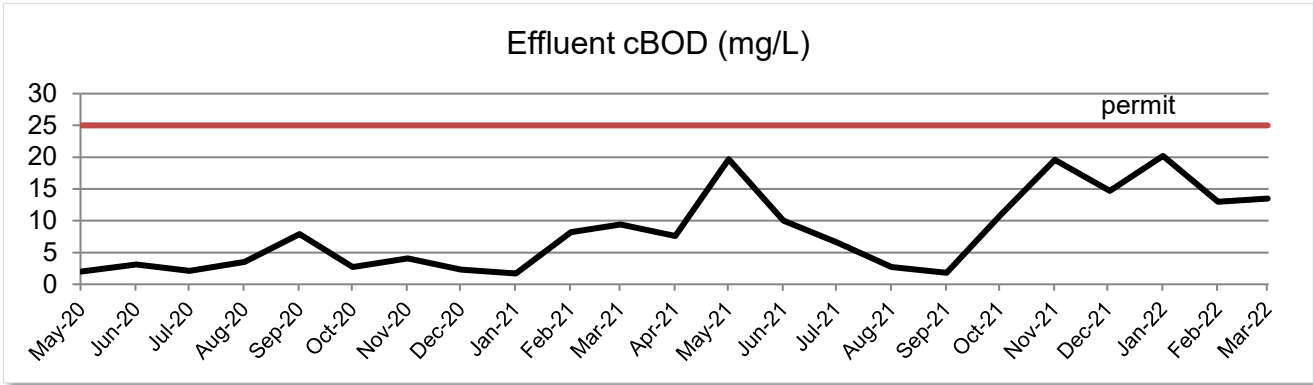
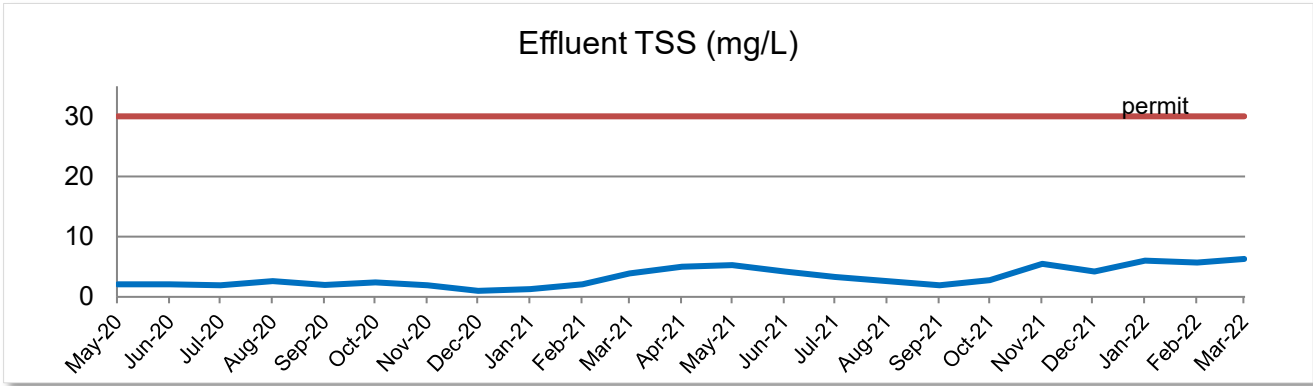


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.3
cBOD (lbs/Day)	41,300	33,405
Peak cBOD (lbs/Day)	57,350	50,356
Zinc-weekly (ug/L)	418	250
% GRPUC		22.6%



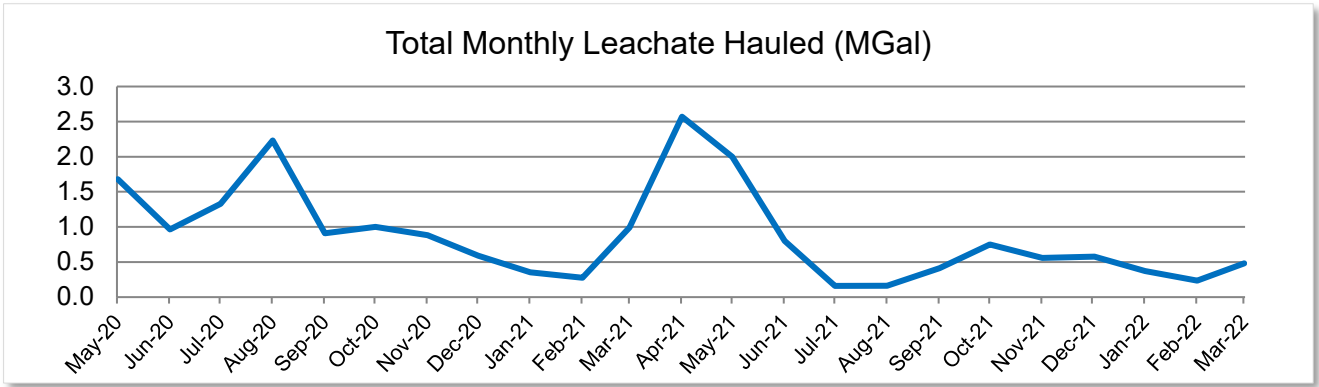


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	6.3
cBOD (mg/L) – monthly average	25	13.5
Dissolved Oxygen (mg/L)	>1.0	3.0



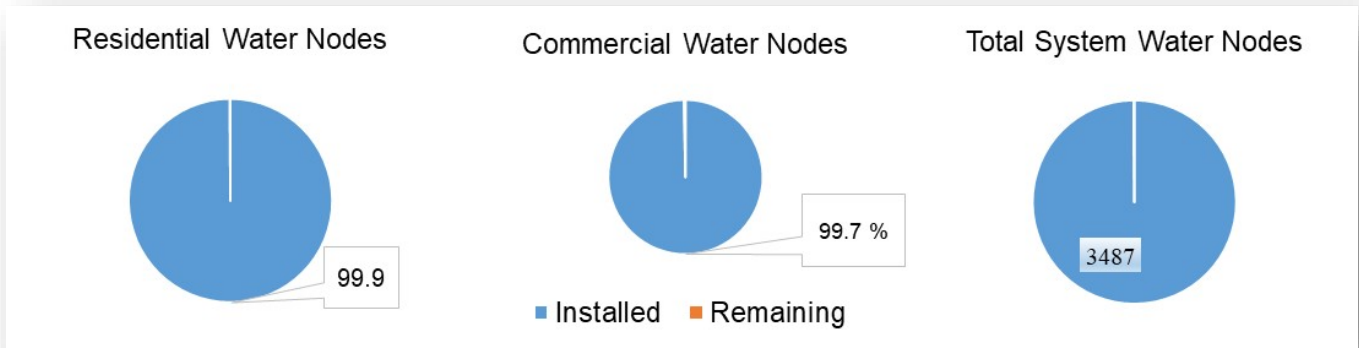
Sludge Landfill Operations

- 0.48 million gallons of leachate were hauled last month
- 4,200 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.



Projects Performed Last Month

- Changed out motor on ejector pump at WTP
- Rebuild blower for aerator at WTP
- Rebuild WAS transfer pump no 2 in secondary plant at WWT

Projects Scheduled for This Month

- Clean out grit chambers at screen house
- Build hatch cover for WTP
- RST and screw press annual inspection and oil change