

GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT March 2022 Commission Meeting

Safety

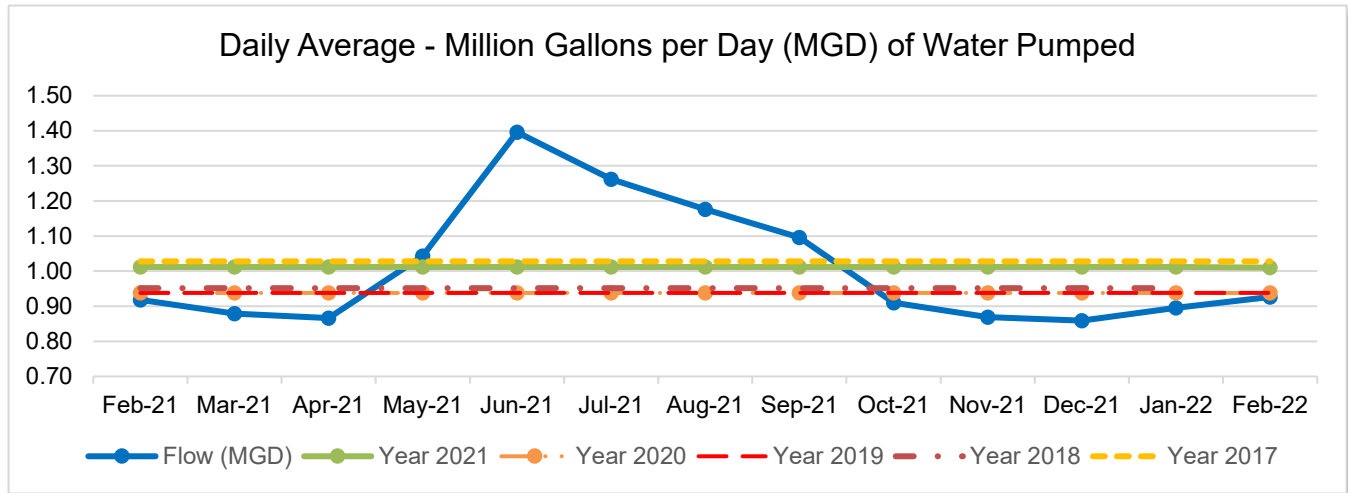
There were no OSHA recordable accidents last month.

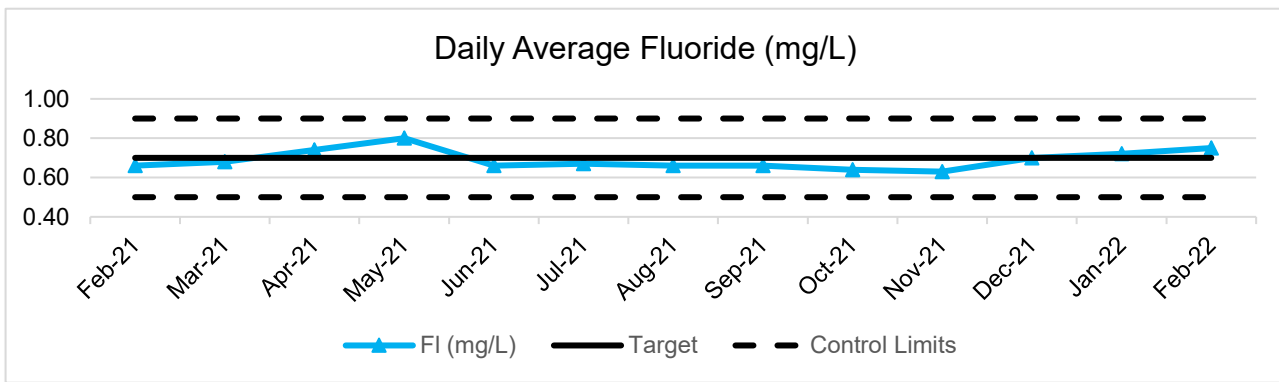
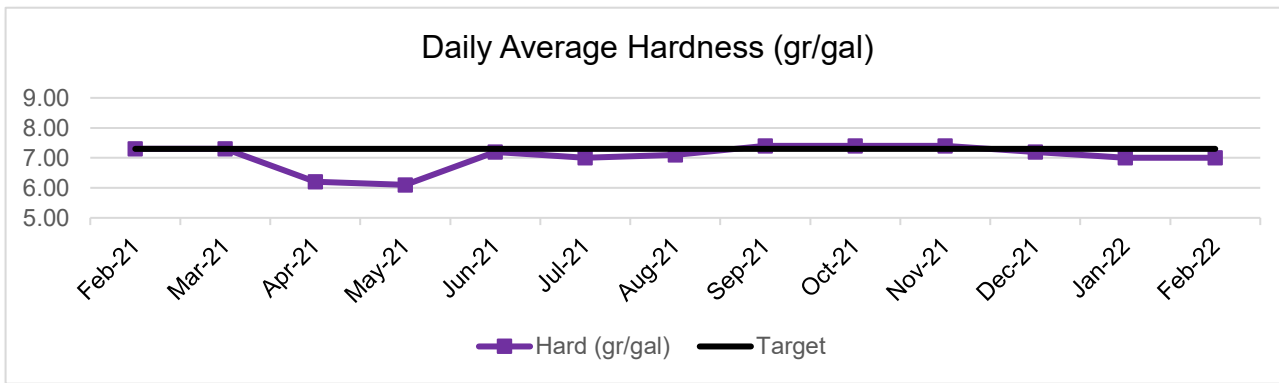
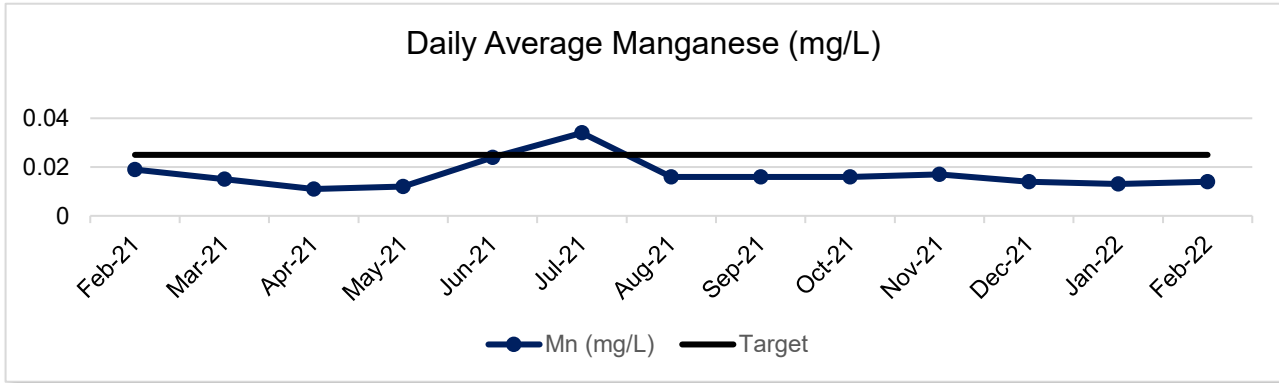
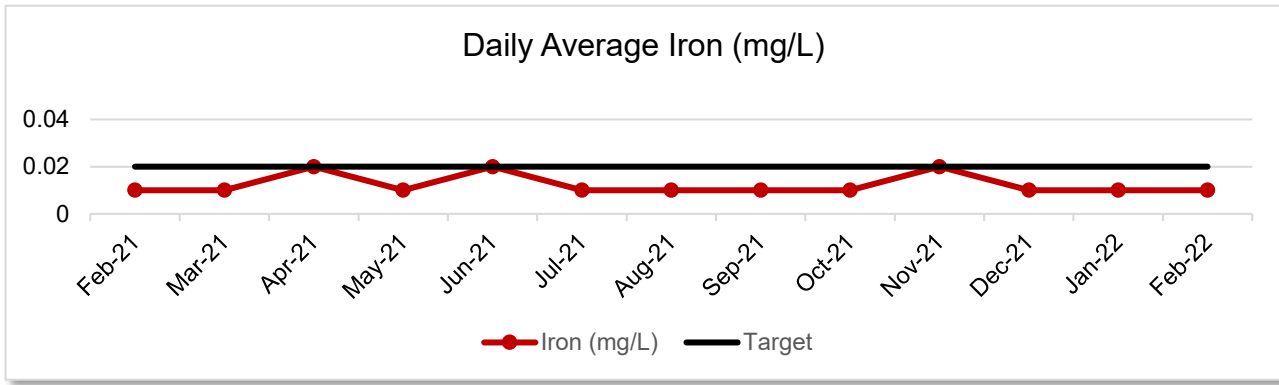
WTP Operations

The water plant pumped an average of 0.93 million gallons of water per day (MGD) with a peak of 1.17 million gallons during last month.

Two water main breaks this month ~600,000 gallons lost. Four excavations associated with the leaks.

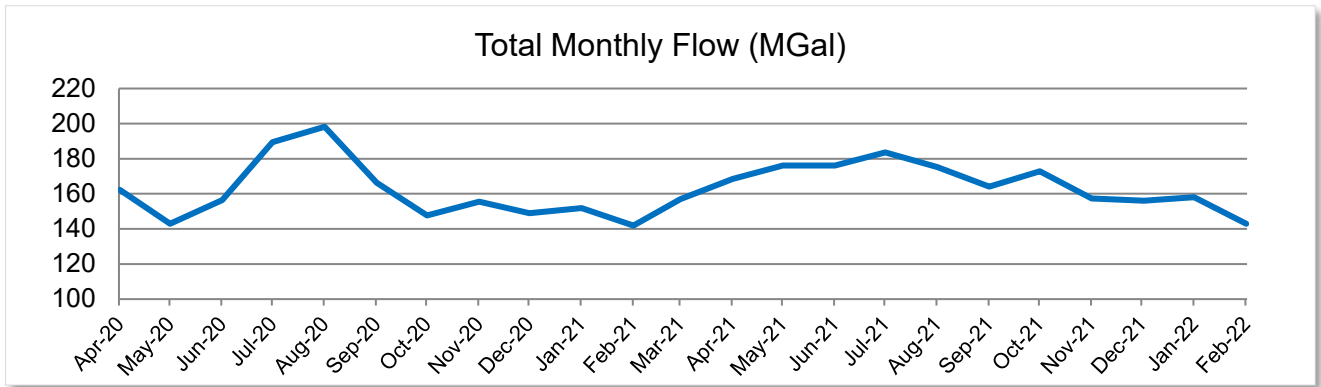
170 customers on the water run list. 27 water thaws as of 3/2



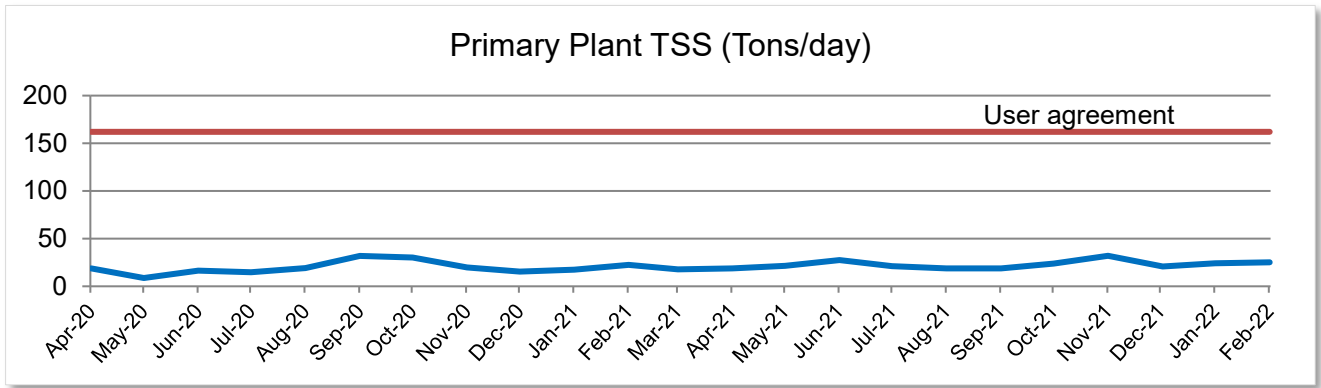


WWTP Operations

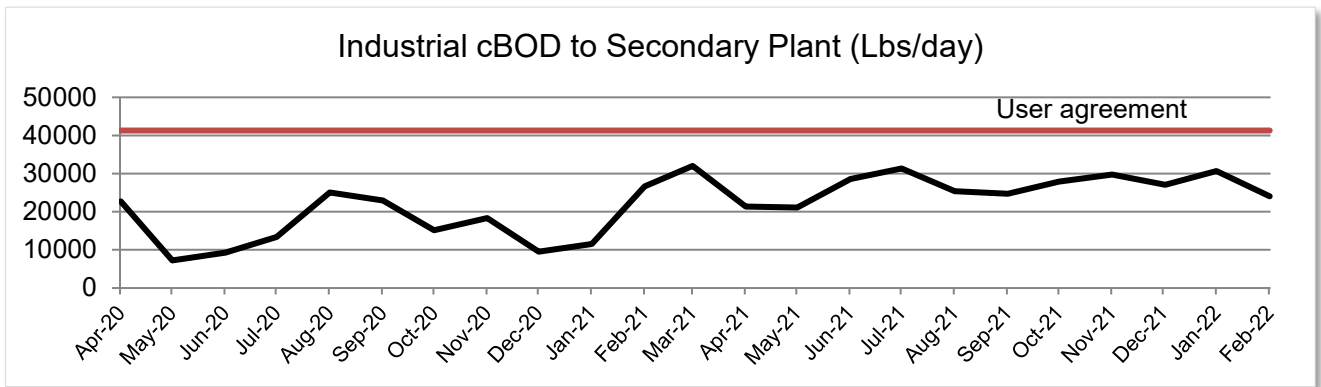
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 143 million gallons of water removing 99.5% of the Total Suspended Solids (TSS) and 98.3% Biochemical Oxygen Demand (cBOD).

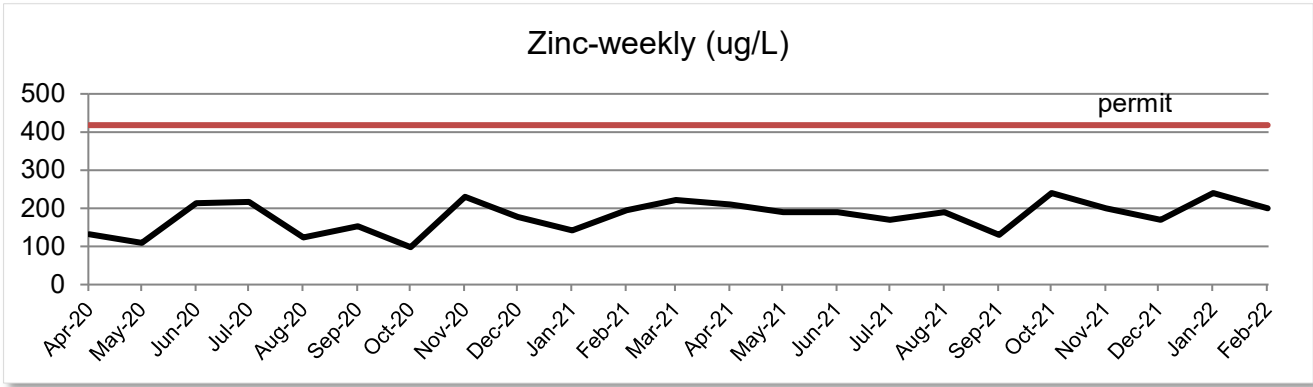


	Design Limits (monthly AVG)	Actual Results
Primary Plant		
Flow (MGD)	13.25	4.0
TSS (Tons/day)	162	25.0
TSS Peak (Tons/Day)	284	70.3

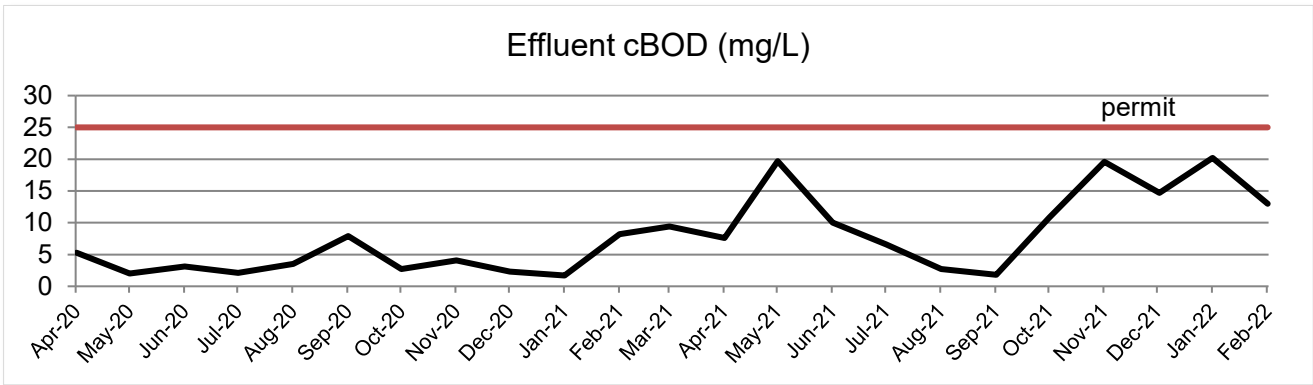
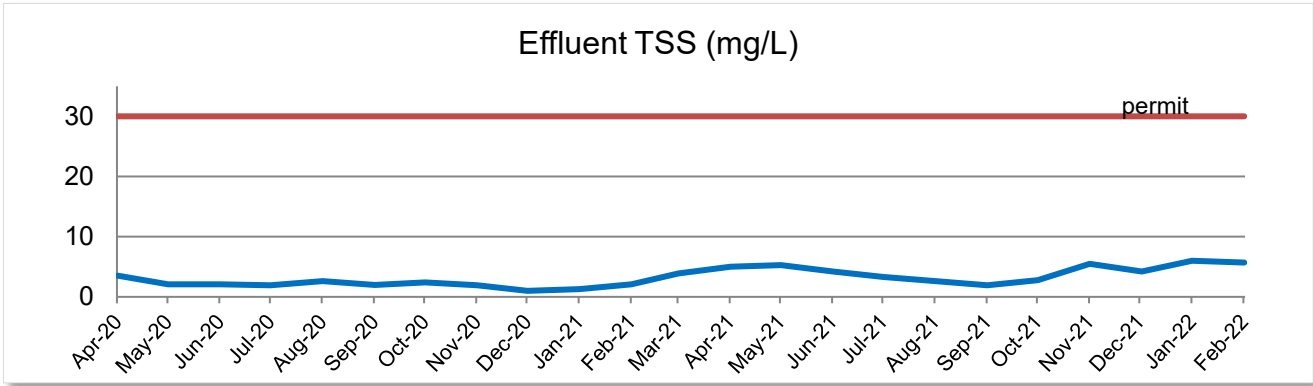


	Design Limits (monthly AVG)	Actual Results
Secondary Plant		
Flow (MGD)	15.25	5.1
cBOD (lbs/Day)	41,300	26,180
Peak cBOD (lbs/Day)	57,350	33,216
Zinc-weekly (ug/L)	418	200
% GRPUC		21.8%



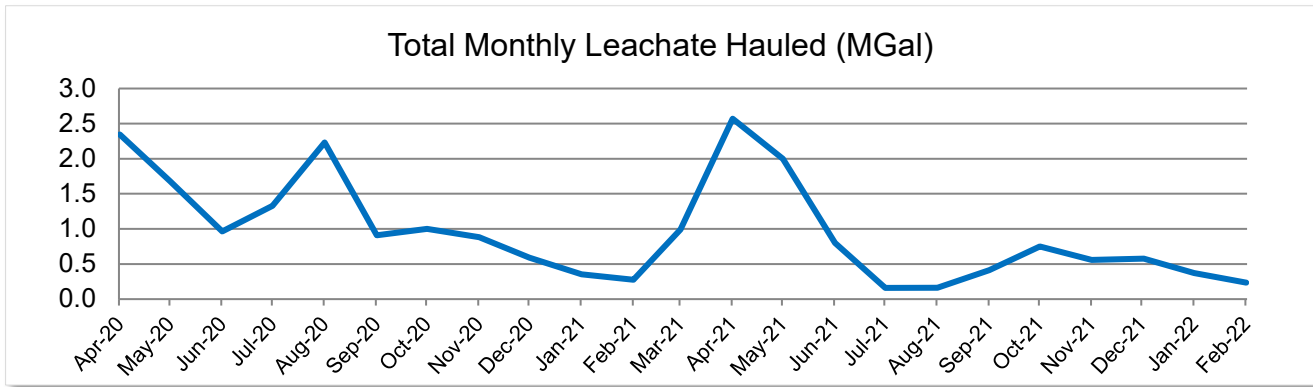


Effluent	Permit Limits (monthly AVG)	Actual Results
TSS (mg/L) – monthly average	30	5.7
cBOD (mg/L) – monthly average	25	13
Dissolved Oxygen (mg/L)	>1.0	3.3



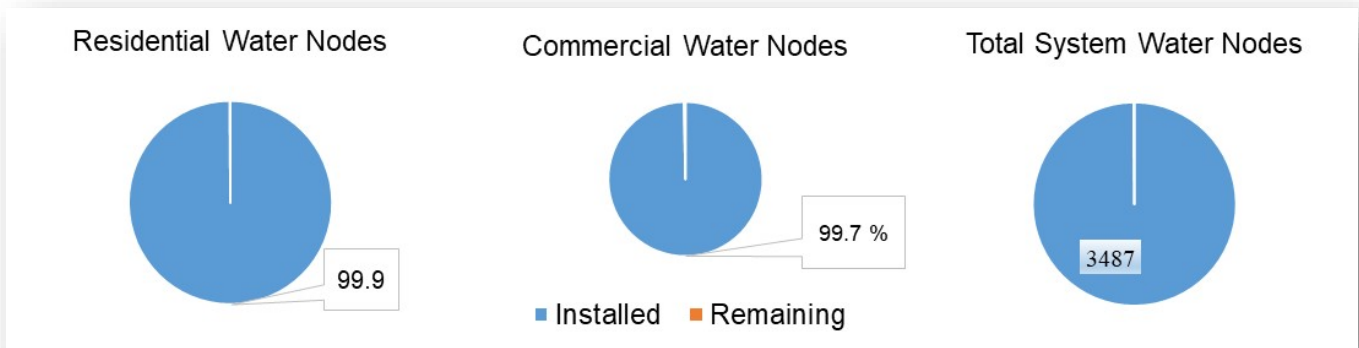
Sludge Landfill Operations

- 0.24 million gallons of leachate were hauled last month
- 3,528 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

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

Projects Scheduled for This Month

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