

GRAND RAPIDS  
PUBLIC UTILITIES

*Service is Our Nature*

500 SE Fourth Street • Grand Rapids, Minnesota 55744

## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT May 2022 Commission Meeting

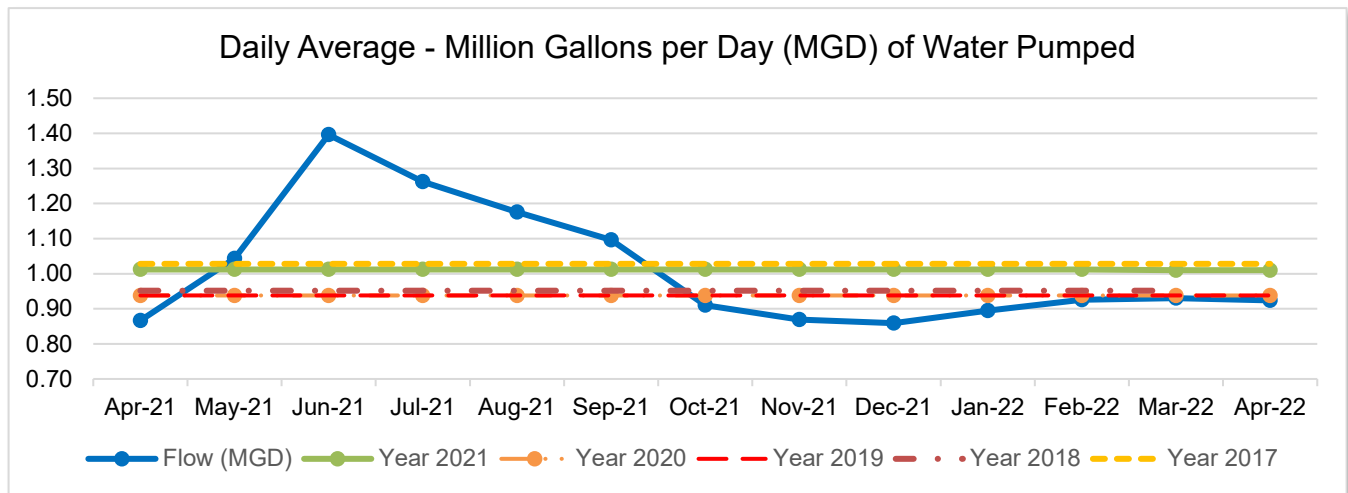
### Safety

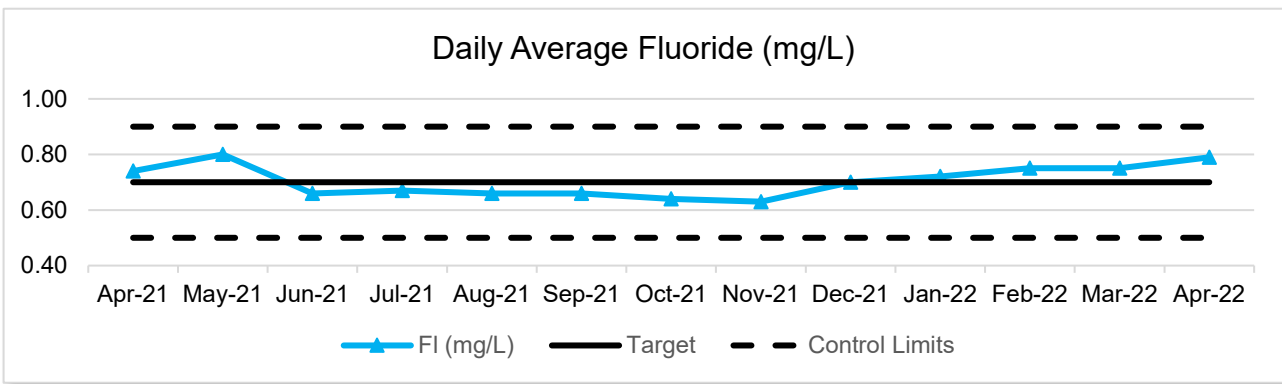
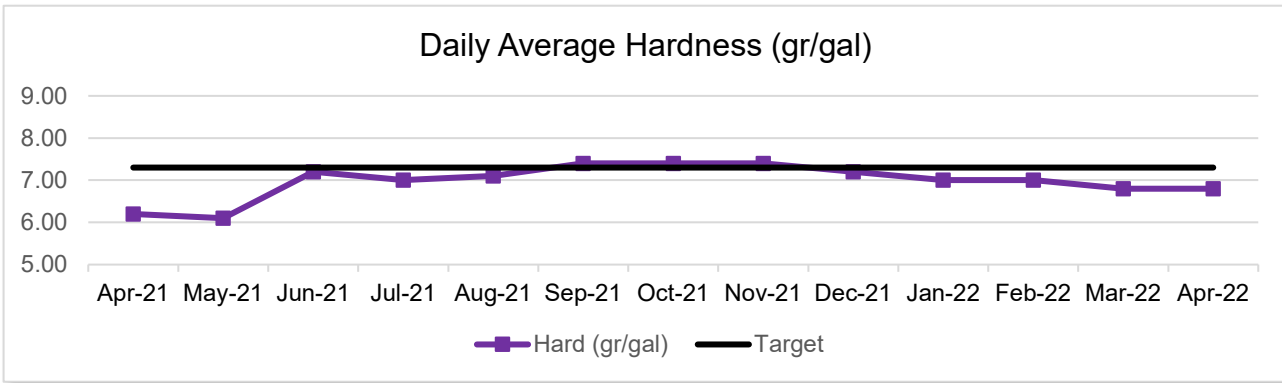
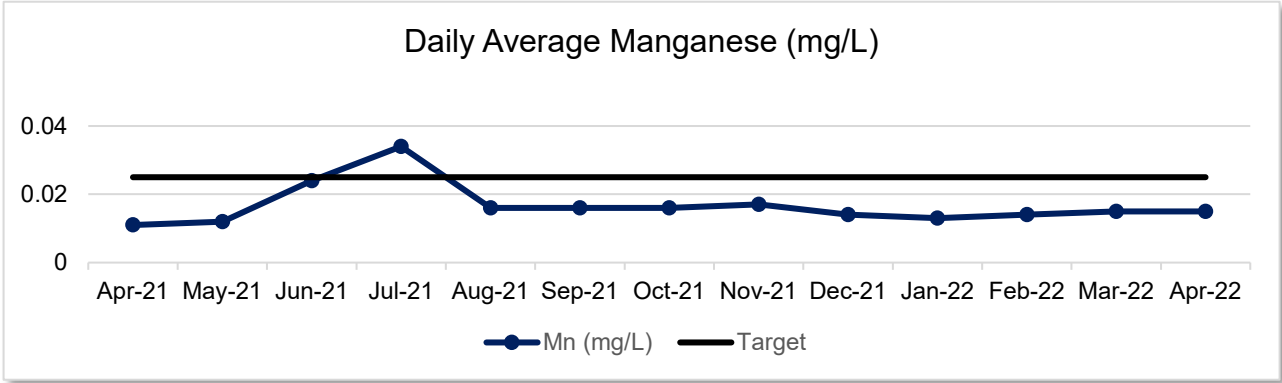
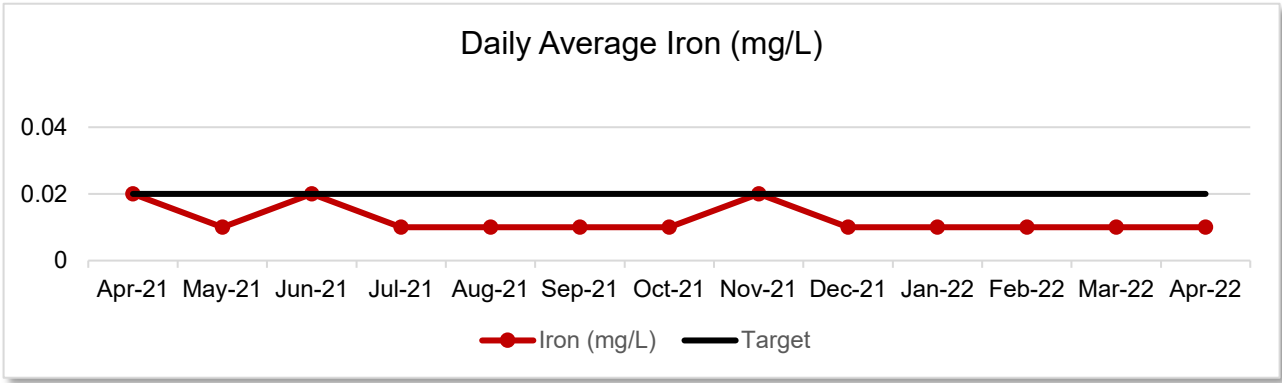
There were no OSHA recordable accidents last month.

### WTP Operations

The water plant pumped an average of 0.92 million gallons of water per day (MGD) with a peak of 1.07 million gallons during last month.

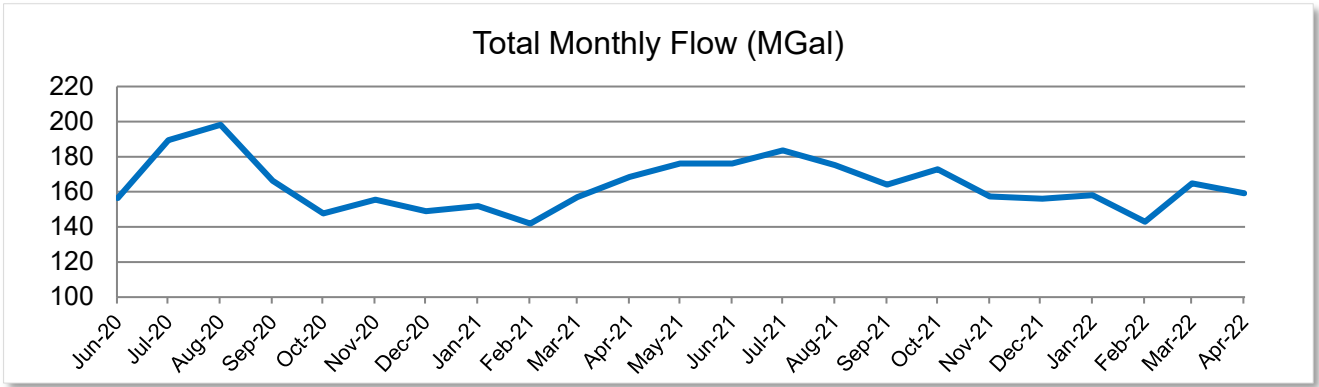
181 customers on the water run list yet.



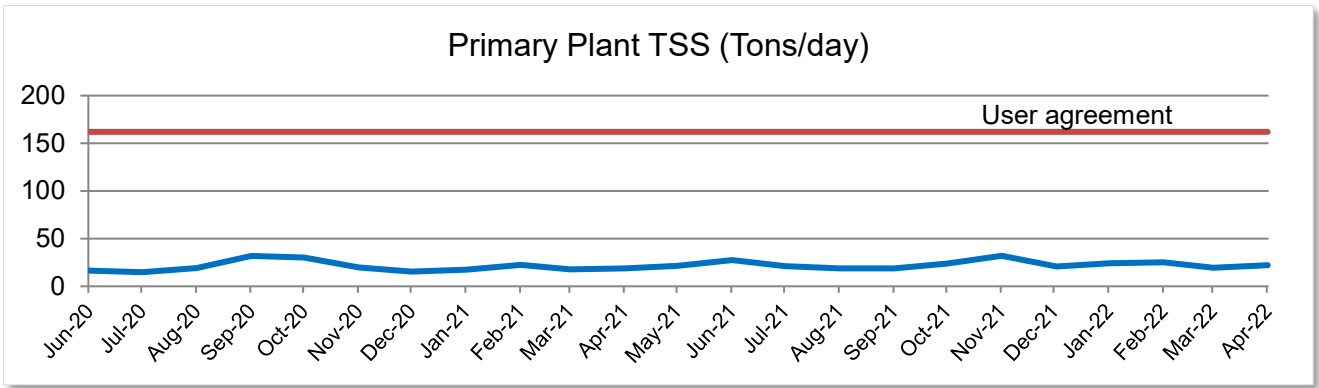


## WWTP Operations

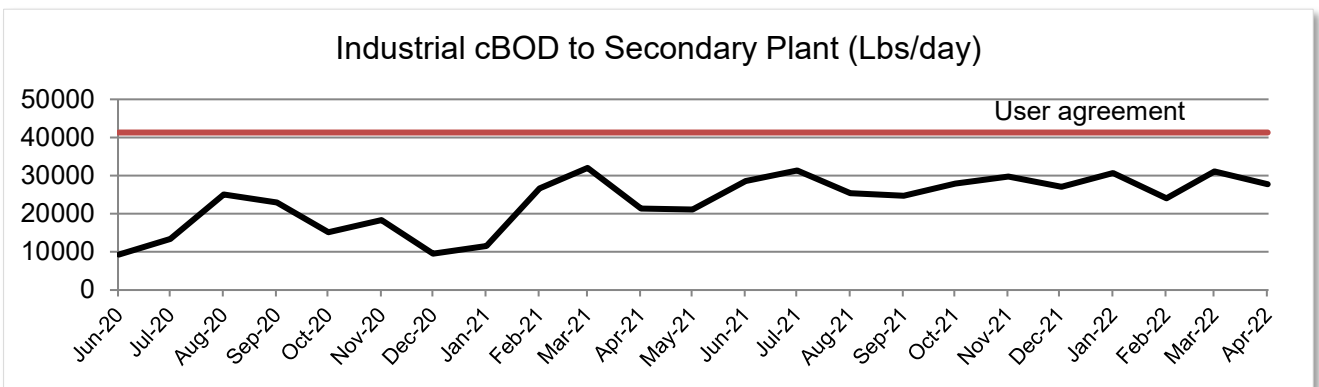
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 159 million gallons of water removing 99.4% of the Total Suspended Solids (TSS) and 97.5% Biochemical Oxygen Demand (cBOD).

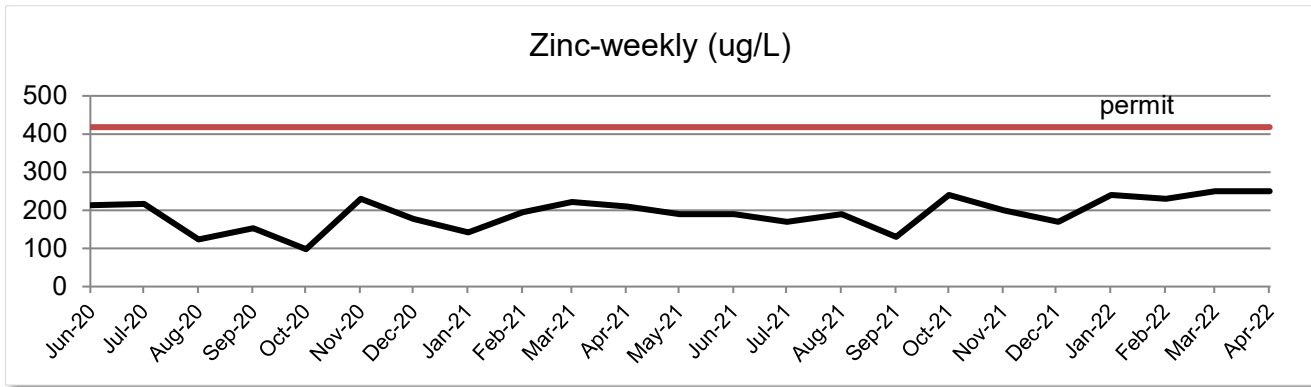


	Design Limits (monthly AVG)	Actual Results
<b>Primary Plant</b>		
Flow (MGD)	13.25	3.7
TSS (Tons/day)	162	22.1
TSS Peak (Tons/Day)	284	71.4

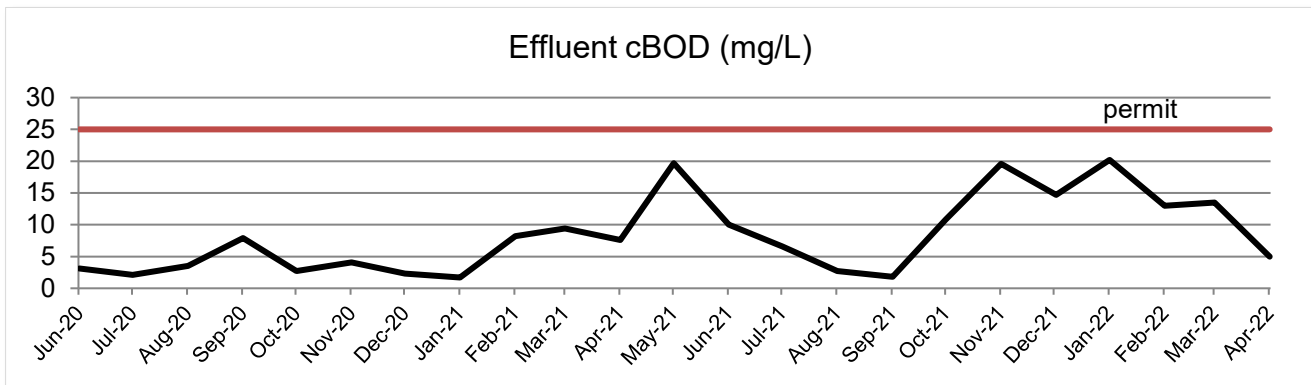
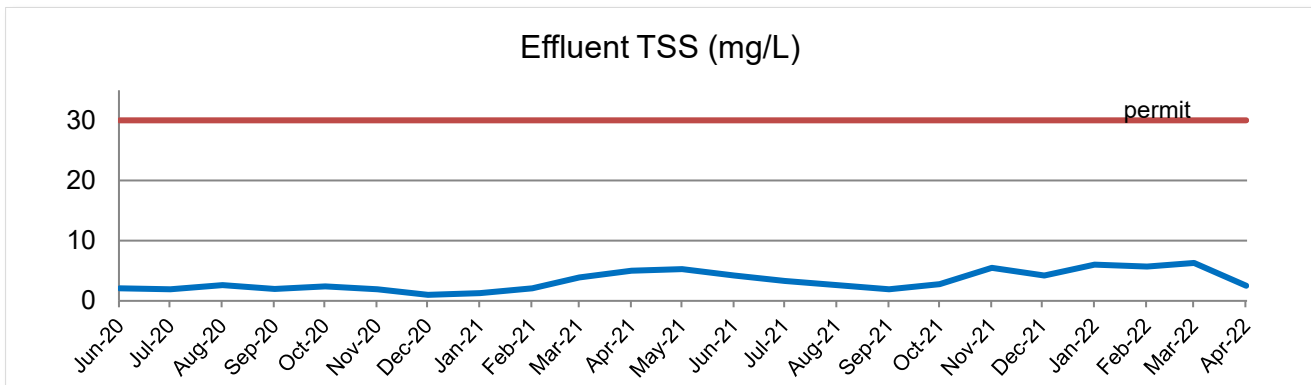


	Design Limits (monthly AVG)	Actual Results
<b>Secondary Plant</b>		
Flow (MGD)	15.25	5.3
cBOD (lbs/Day)	41,300	30,344
Peak cBOD (lbs/Day)	57,350	50,376
Zinc-weekly (ug/L)	418	250
% GRPUC		29.4%



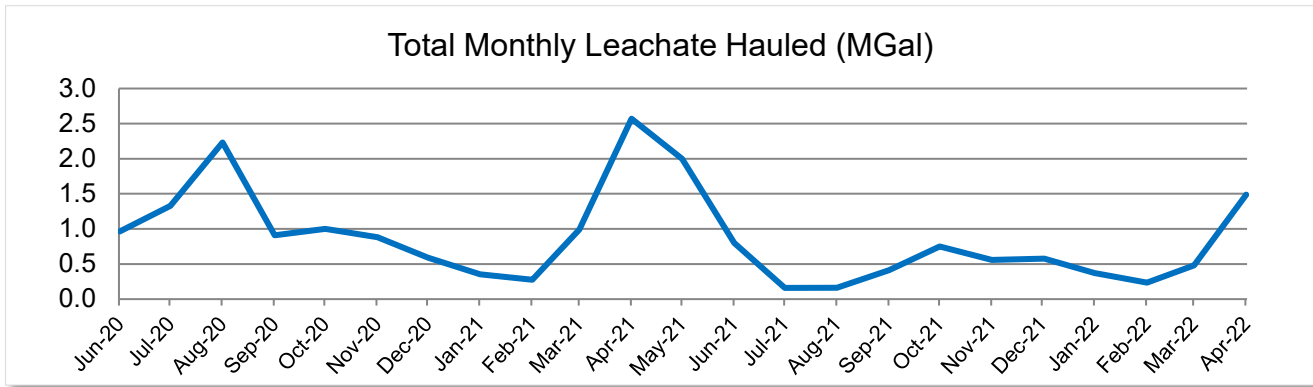


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	2.5
cBOD (mg/L) – monthly average	25	5.0
Dissolved Oxygen (mg/L)	>1.0	7.0



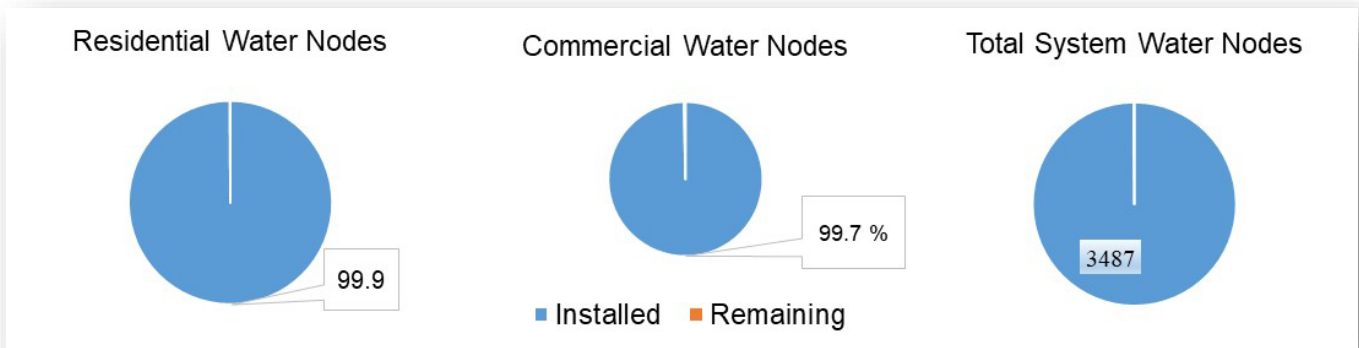
### Sludge Landfill Operations

- 1.49 million gallons of leachate were hauled last month
- 3,048 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

- Completed and passed all performance testing for annual WW lab certification for MPCA.
- Cleaned out south salt tank at WTP.
- Rebuilt WAS Transfer Pump 2

### Projects Scheduled for This Month

- Jetting and televising the collection system.
- Landfill surface water pump installed.
- Installation of sump pump in WAS Transfer building.