

GRAND RAPIDS  
PUBLIC UTILITIES

*Service is Our Nature*

500 SE Fourth Street • Grand Rapids, Minnesota 55744

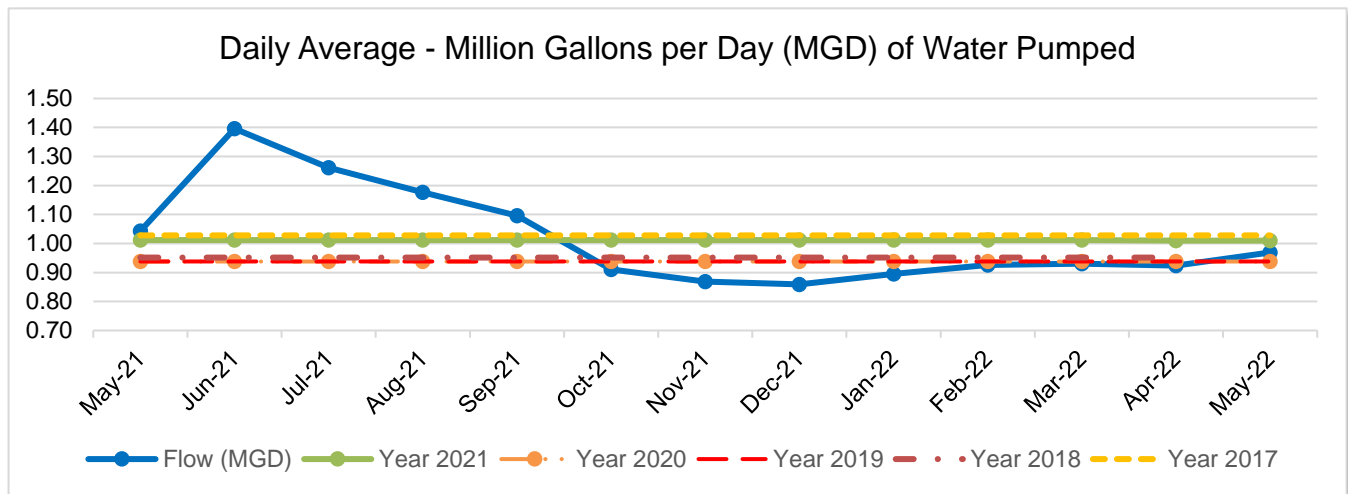
## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT June 2022 Commission Meeting

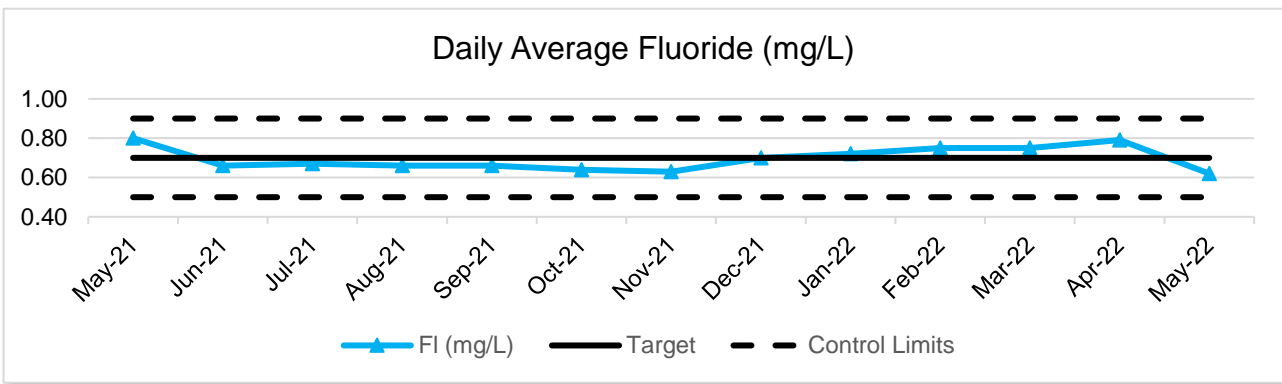
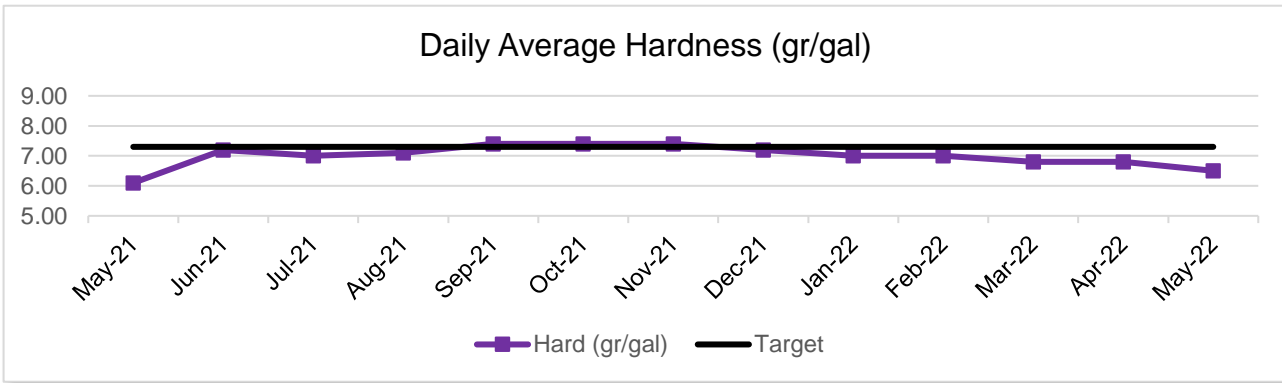
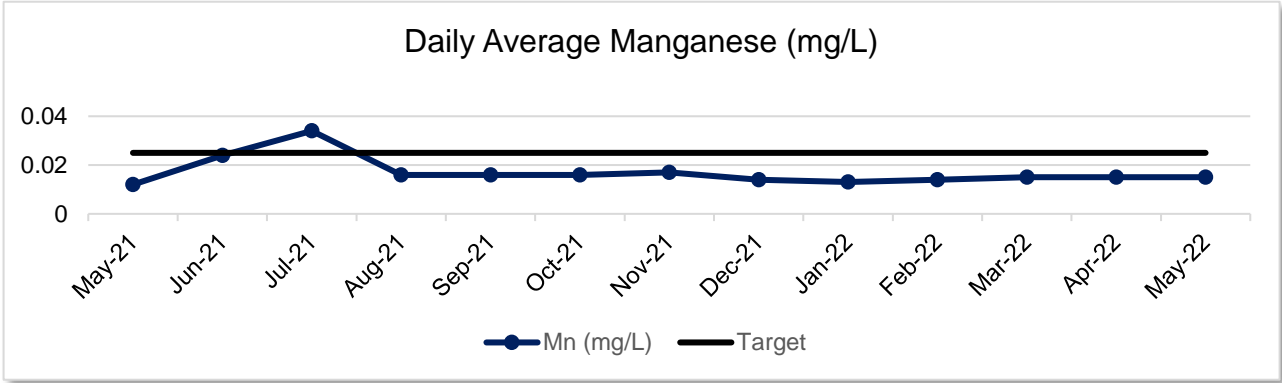
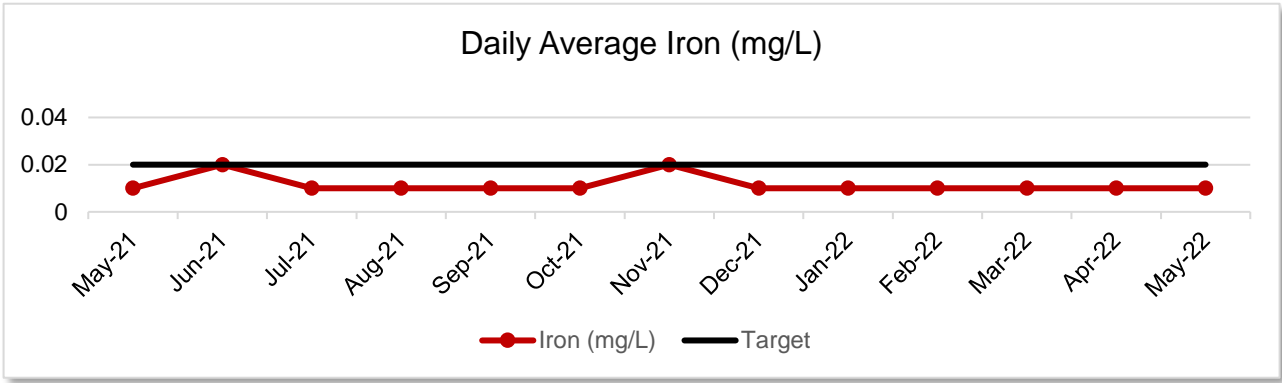
### Safety

There were no OSHA recordable accidents last month.

### WTP Operations

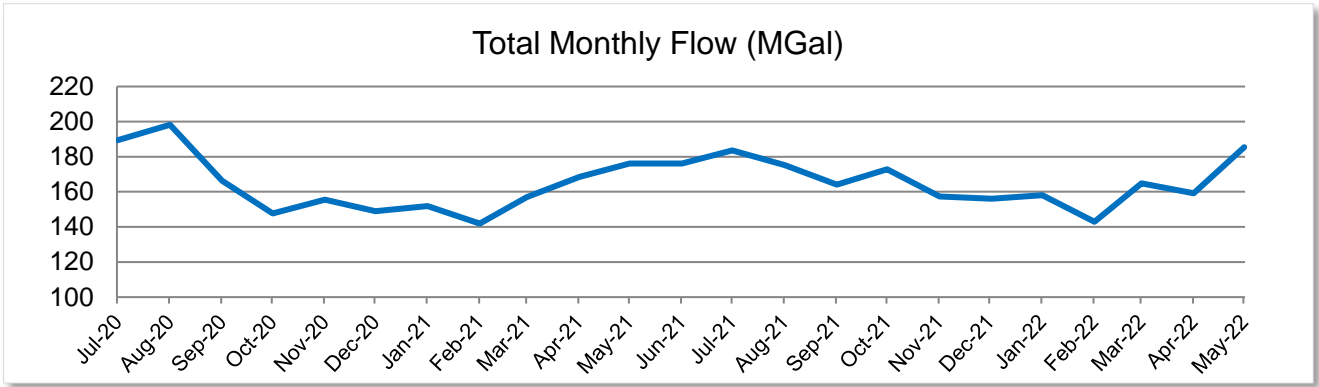
The water plant pumped an average of 0.97 million gallons of water per day (MGD) with a peak of 1.16 million gallons during last month.



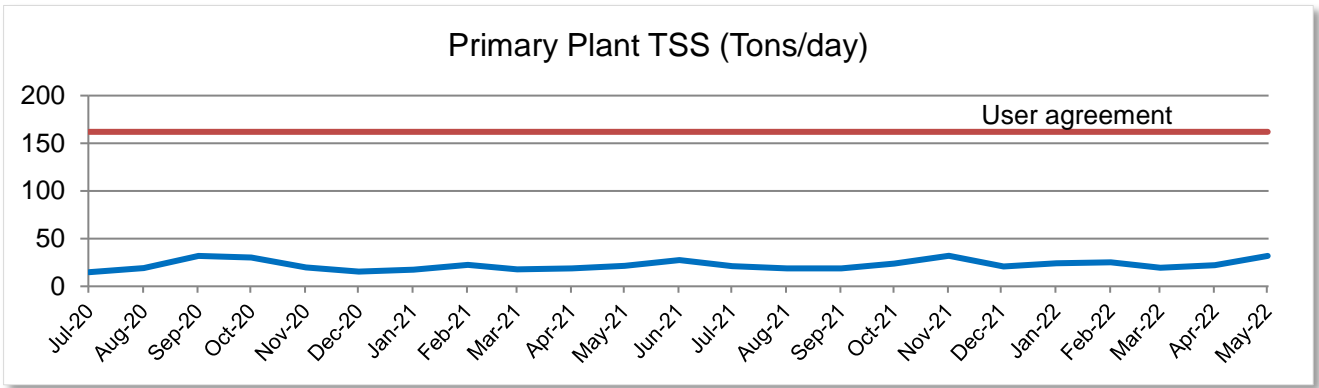


## WWTP Operations

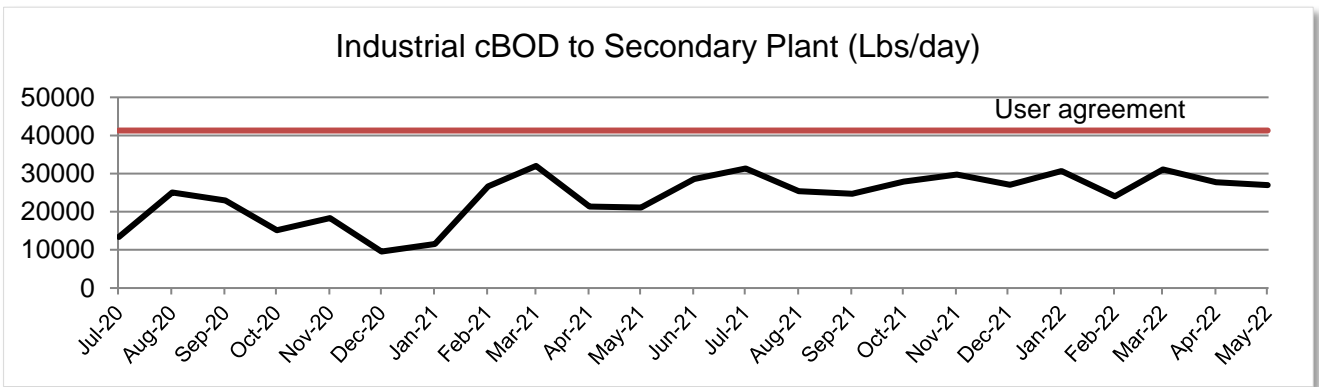
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 185 million gallons of water removing 99.8% of the Total Suspended Solids (TSS) and 99.4% Biochemical Oxygen Demand (cBOD).

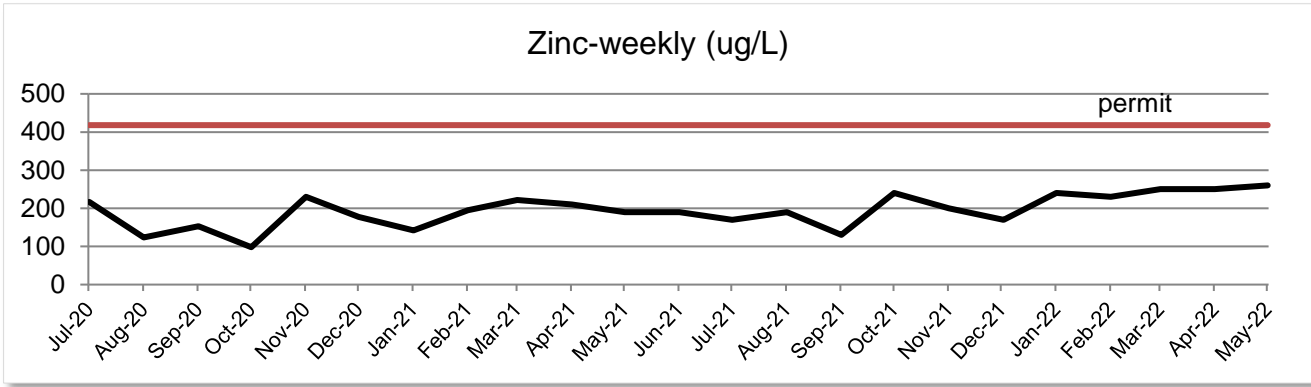


	Design Limits (monthly AVG)	Actual Results
<b>Primary Plant</b>		
Flow (MGD)	13.25	4.2
TSS (Tons/day)	162	31.9
TSS Peak (Tons/Day)	284	86.9

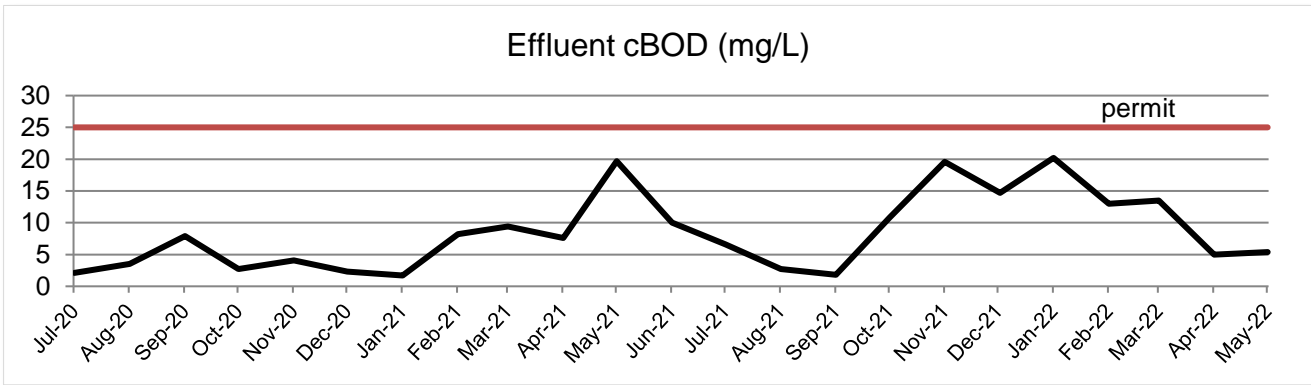
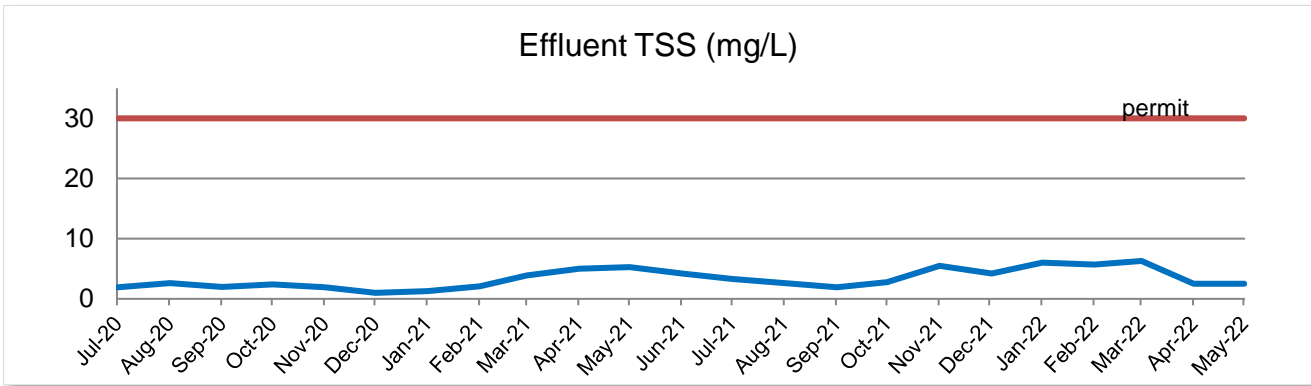


	Design Limits (monthly AVG)	Actual Results
<b>Secondary Plant</b>		
Flow (MGD)	15.25	6.0
cBOD (lbs/Day)	41,300	30,243
Peak cBOD (lbs/Day)	57,350	43,885
Zinc-weekly (ug/L)	418	260
% GRPUC		26.0%



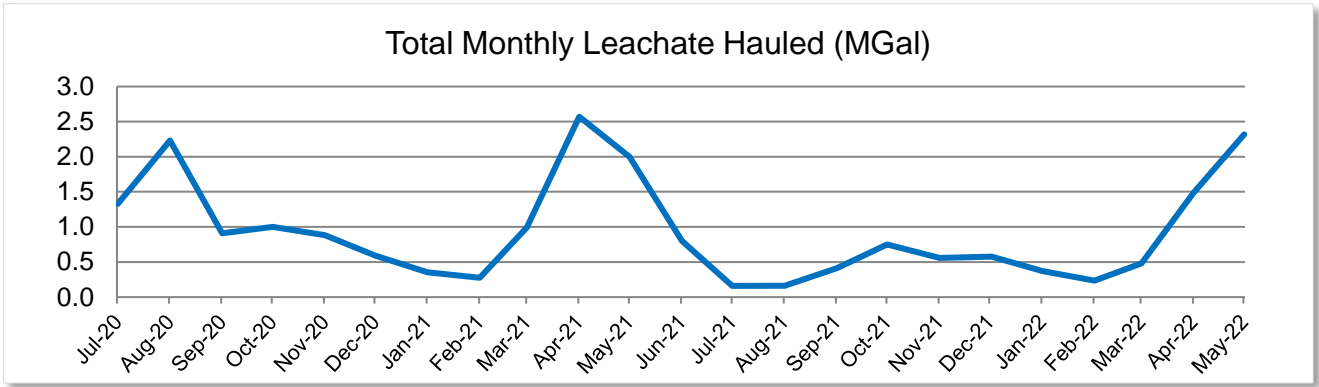


Effluent	Permit Limits (monthly AVG)	Actual Results
TSS (mg/L) – monthly average	30	2.5
cBOD (mg/L) – monthly average	25	5.4
Dissolved Oxygen (mg/L)	>1.0	6.7



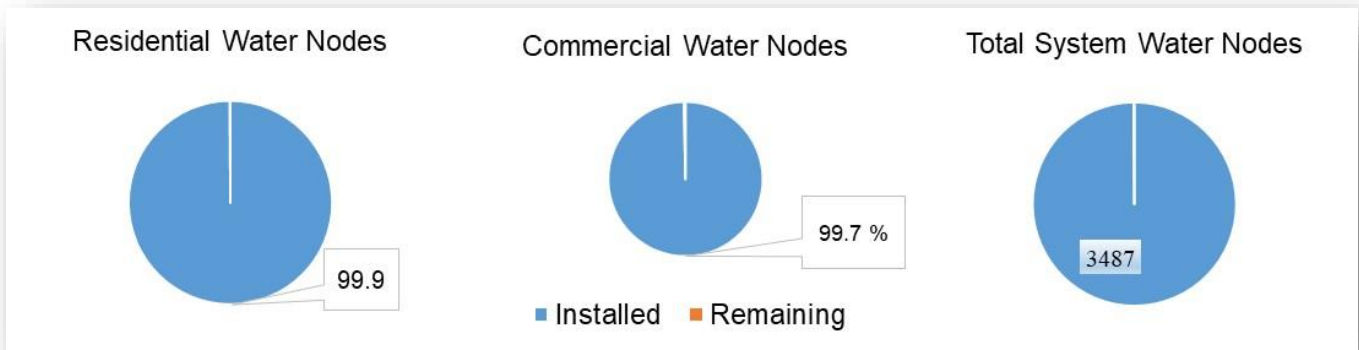
### Sludge Landfill Operations

- 2.32 million gallons of leachate were hauled last month
- 4,428 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**

- Jetting and televising the collection system. Category 1 and SW part of Grand Rapids
- Installation of sump pump in WAS transfer building.
- Landfill surface water pump installed and landfill phase 1-4, Kettle D cover evaluation project planning.

**Projects Scheduled for This Month**

- Jetting and televising the collection system in SW.
- WWTP Annual Acute Whole Effluent Toxicity testing.
- Landfill Phase 1-4, Kettle D cover evaluation project work.

**Sanitary Televising Project Update**

- Bid opening was on 5/25, 3 bidders. Budget was \$501,000. Engineer’s estimate was \$501,146.
- Low bid was \$642,925 and high bid was \$1,383,917.
- Based on preliminary data it is possible to complete internally by end of year 2024.
- We will gather more data as the year progresses and take a closer look at projected completion in the fall. If the data suggests it will take much longer then what it suggests now then we will look to re-bid for 2023.