



GRAND RAPIDS
PUBLIC UTILITIES

Service is Our Nature

500 SE Fourth Street • Grand Rapids, Minnesota 55744

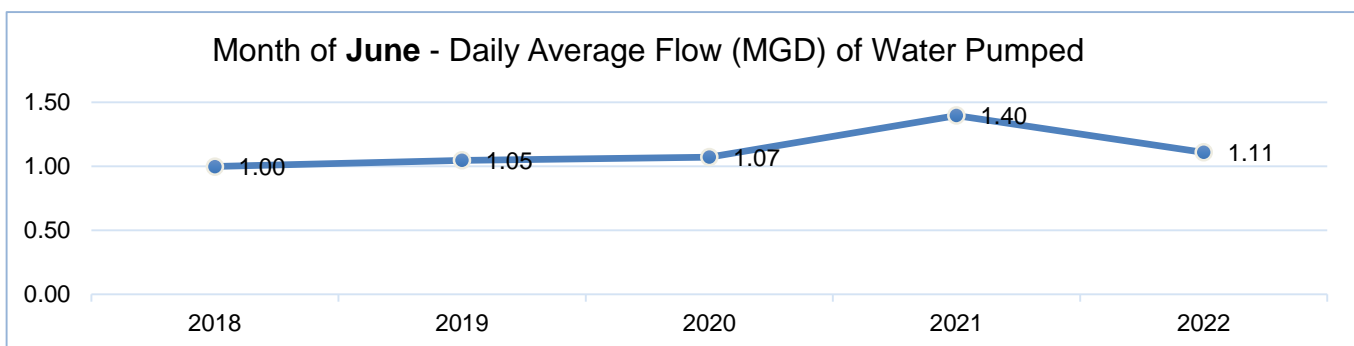
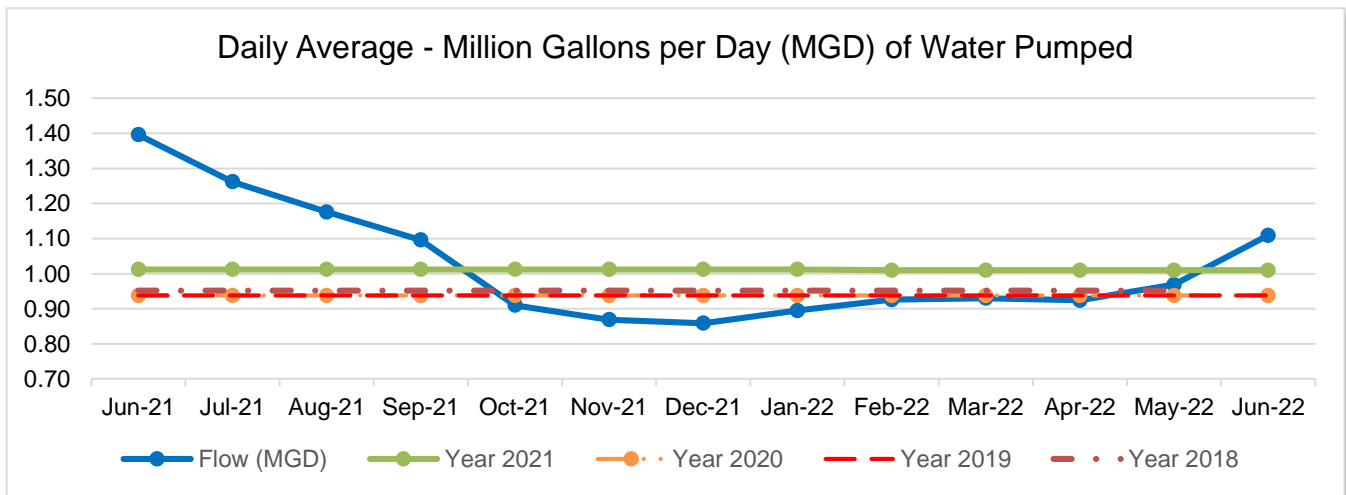
WATER & WASTEWATER DEPARTMENT MONTHLY REPORT July 2022 Commission Meeting

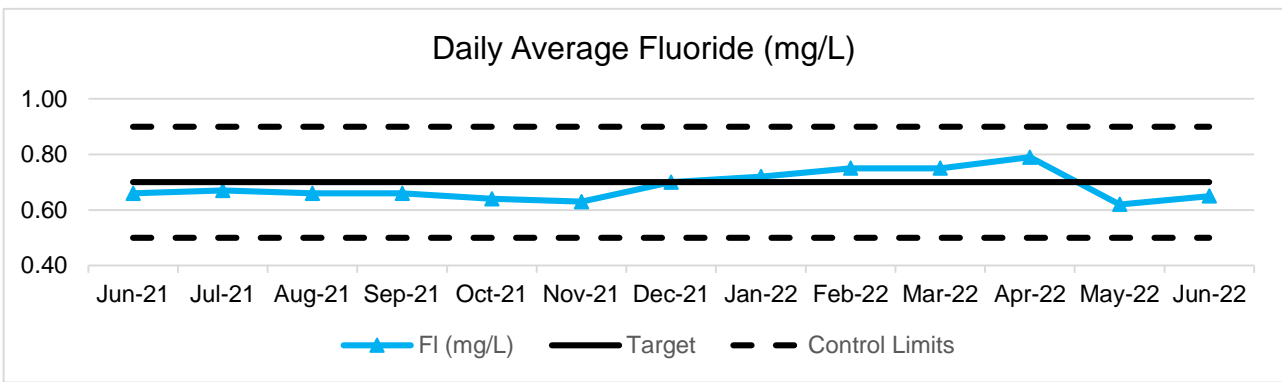
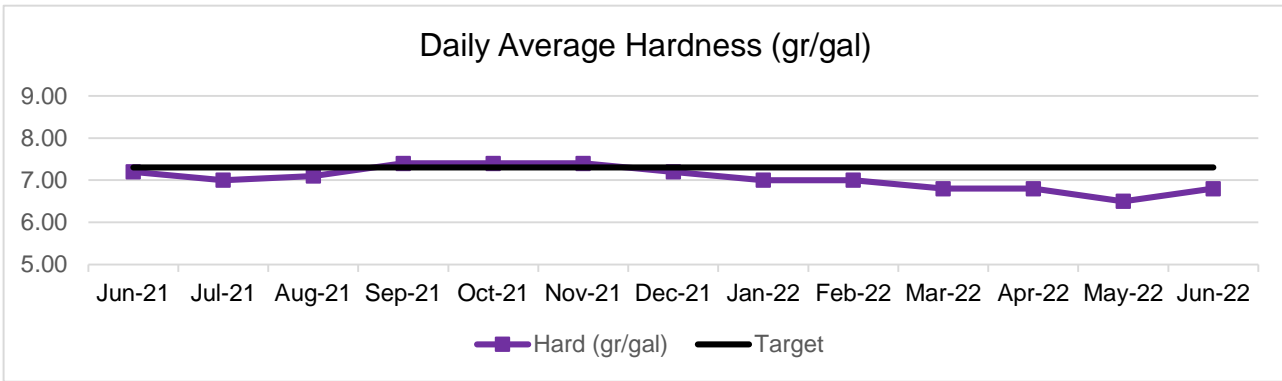
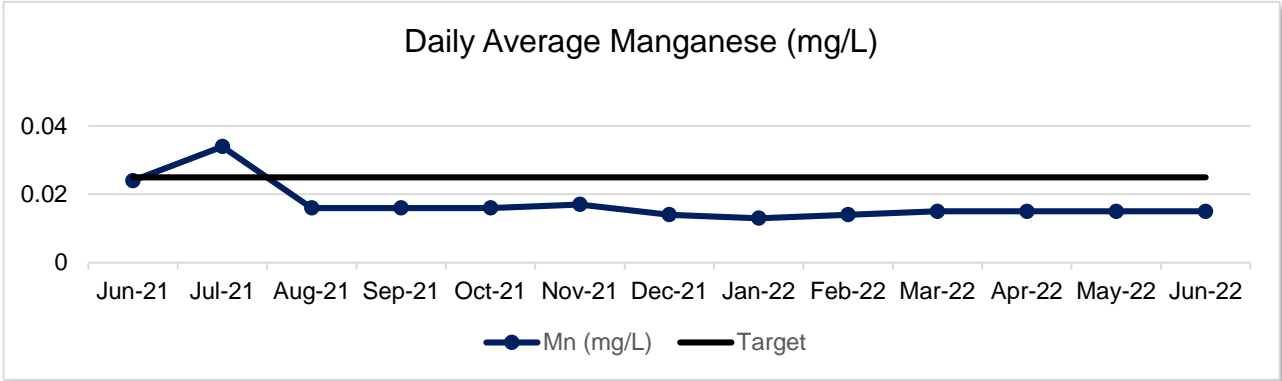
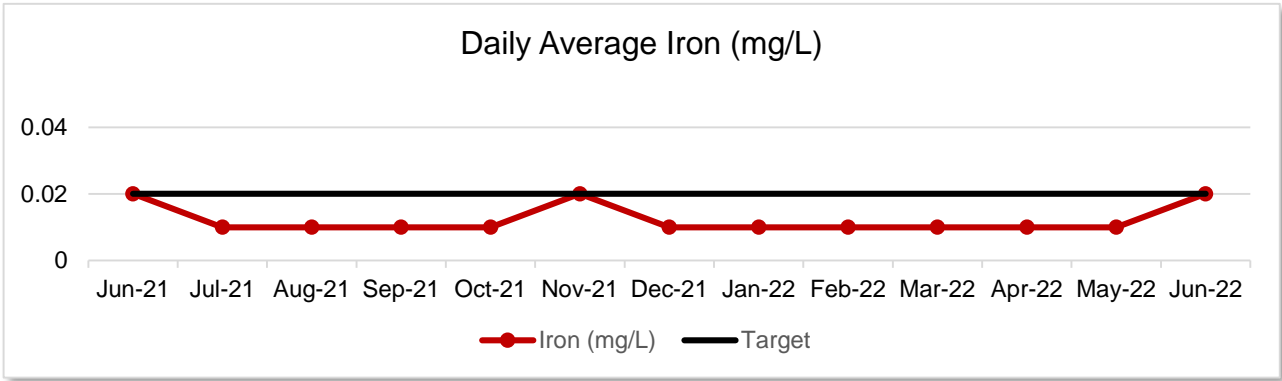
Safety

There were no OSHA recordable accidents last month. Did have employee proactively fill out a first report of injury for an incident while helping on an electrical call-out, but no doctoring has been needed.

Water Operations

The water plant pumped an average of 1.11 million gallons of water per day (MGD) with a peak of 1.30 million gallons during last month.



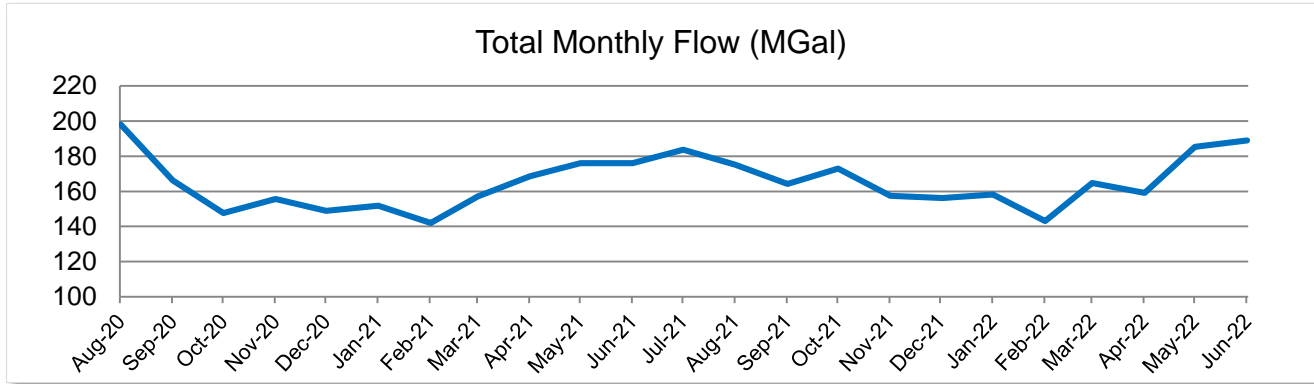


Two water main breaks last month NE 3rd Ave and 5th St. 90,000 gallons lost. Rocks on the cast iron pipe.

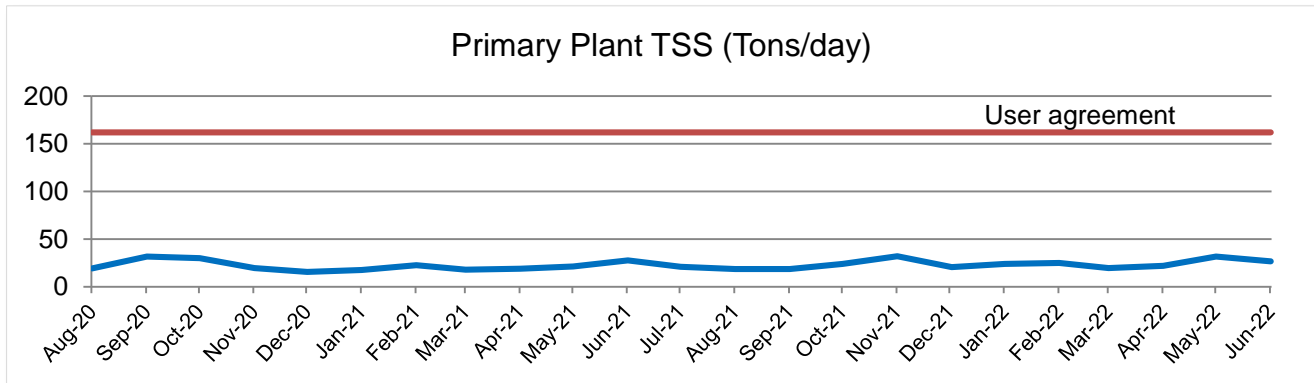
Wastewater Operations

The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 189 million gallons of water removing 99.8% of the Total Suspended Solids (TSS) and 99.5% Biochemical Oxygen Demand (cBOD).

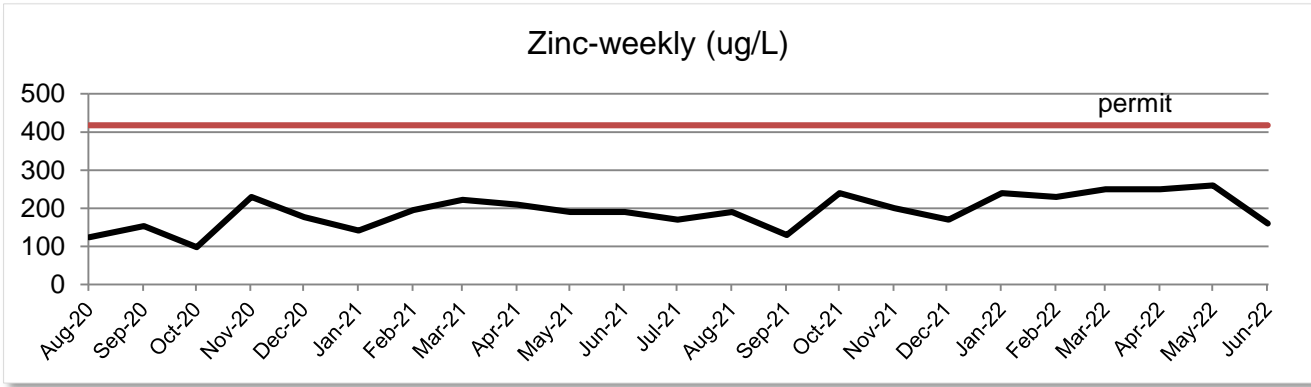
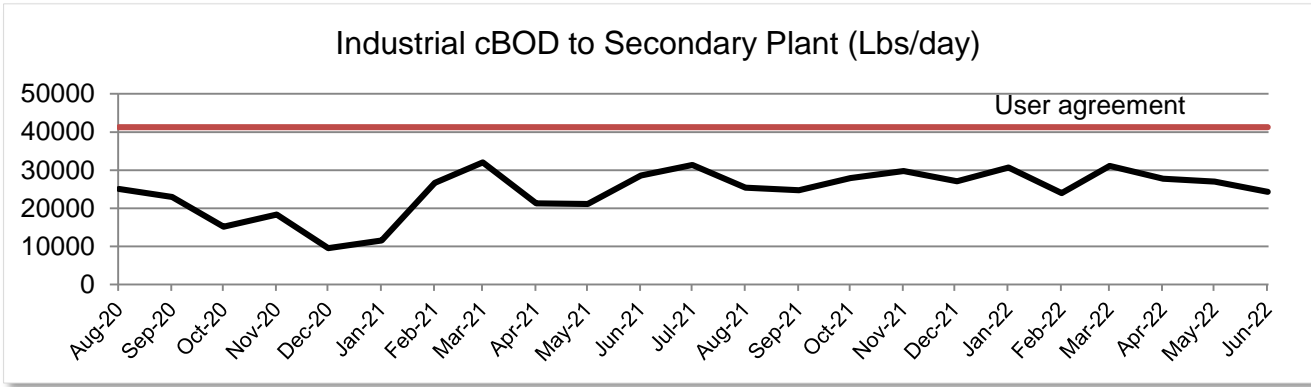
Passed the annual Acute Whole Effluent Toxicity testing.



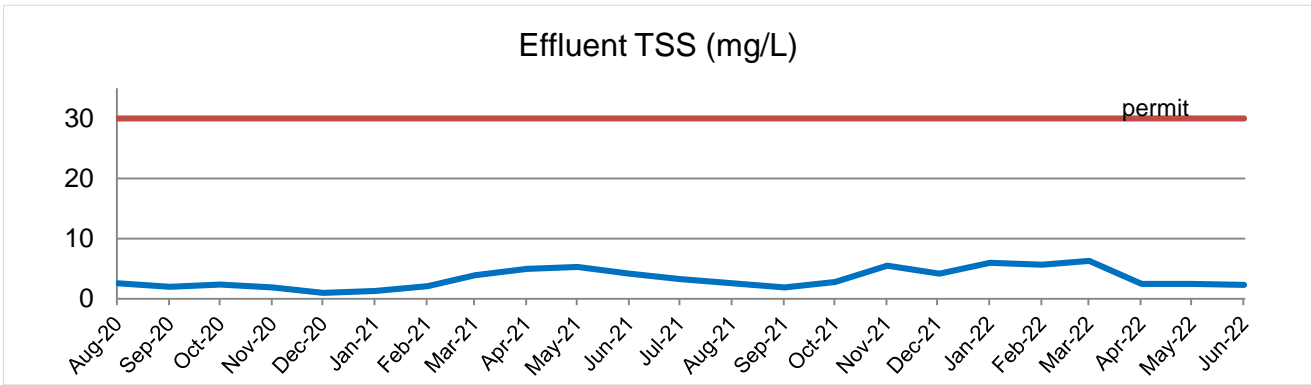
	Design Limits (monthly AVG)	Actual Results
<u>Primary Plant</u>		
Flow (MGD)	13.25	4.4
TSS (Tons/day)	162	26.6
TSS Peak (Tons/Day)	284	65.2

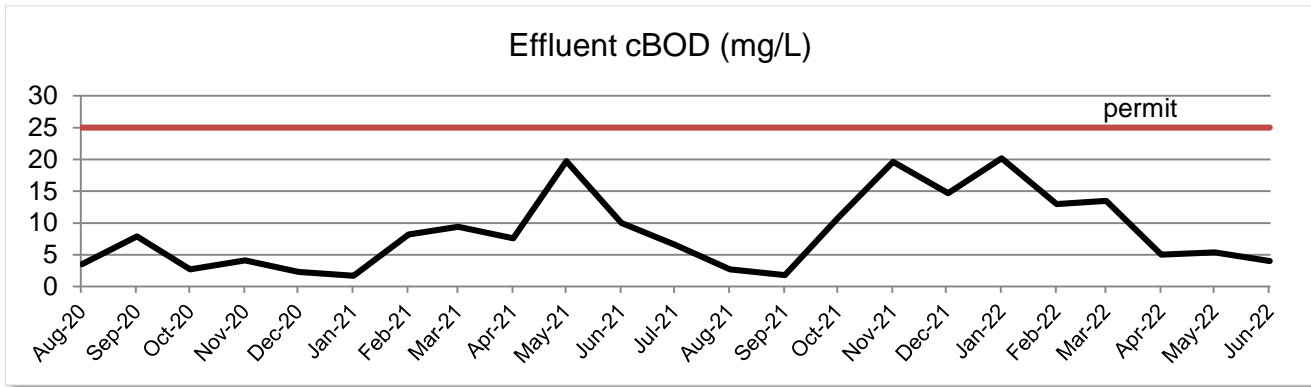


	Design Limits (monthly AVG)	Actual Results
<u>Secondary Plant</u>		
Flow (MGD)	15.25	6.3
cBOD (lbs/Day)	41,300	26,536
Peak cBOD (lbs/Day)	57,350	39,761
Zinc-weekly (ug/L)	418	160
% GRPUC		30.0%



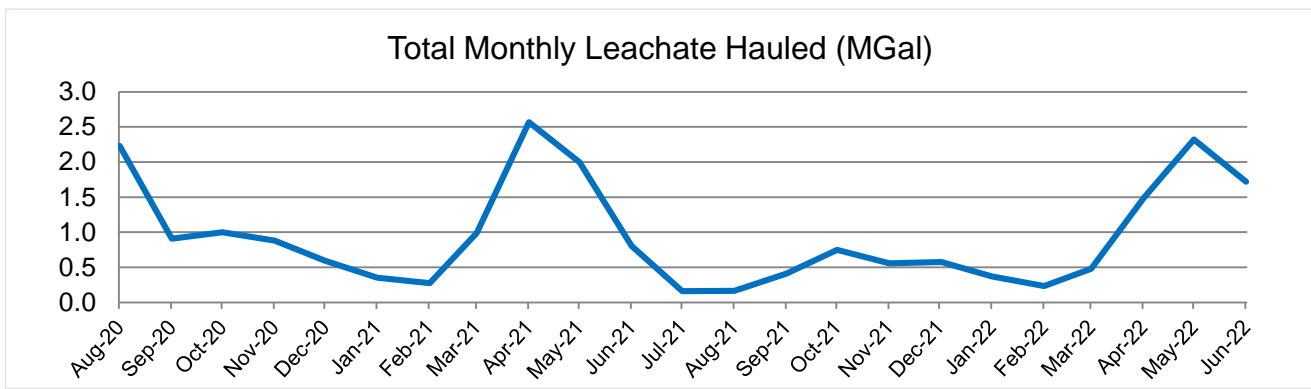
Effluent	Permit Limits (monthly AVG)	Actual Results
TSS (mg/L) – monthly average	30	2.3
cBOD (mg/L) – monthly average	25	4.0
Dissolved Oxygen (mg/L)	>1.0	5.8





Sludge Landfill Operations

- 1.72 million gallons of leachate were hauled last month
- 4,284 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. Production has started and delivery schedules to be shared sometime soon.

Projects Performed Last Month

- Jetting and televising the collection system in the SE part of Grand Rapids.
- Replaced several faulty curbstops, and hydrants throughout the city.
- Landfill perimeter and haul road maintenance.

Projects Scheduled for This Month

- Jetting and televising the collection system in SE.
- Rebuilding primary sludge positive displacement pumps.
- Landfill Phase 1-4, Kettle D cover project work with Stantec.