

**GRAND RAPIDS  
PUBLIC UTILITIES**

*Service is Our Nature*

500 SE Fourth Street • Grand Rapids, Minnesota 55744

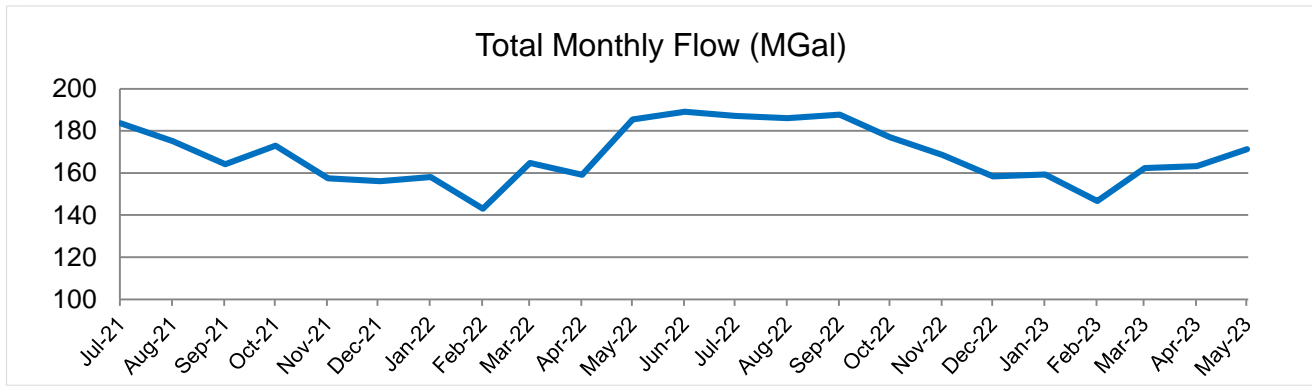
## WASTEWATER UTILITY MONTHLY REPORT June 2023 Commission Meeting

### Wastewater Operations

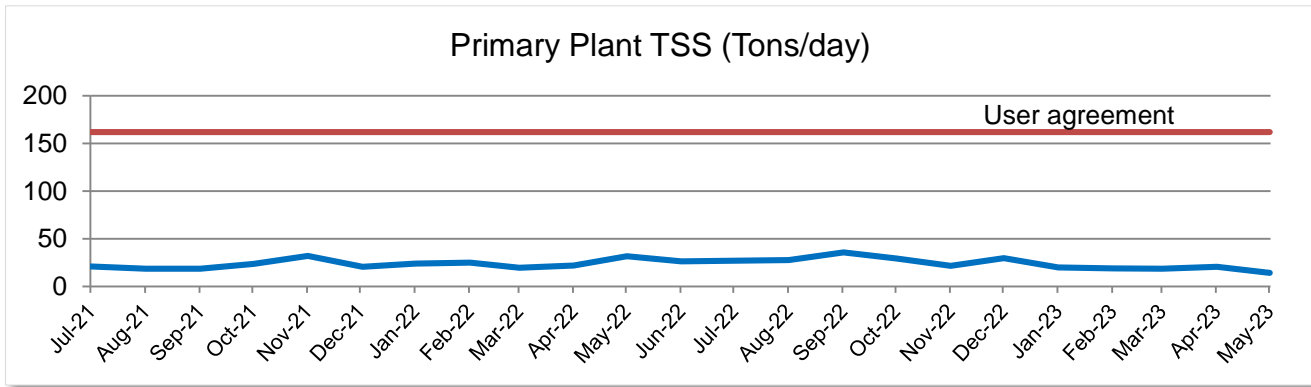
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 171 million gallons of water removing 99.6% of the Total Suspended Solids (TSS) and 99.2% Biochemical Oxygen Demand (cBOD).

MPCA contracted with Braun-Intertec to sample the monitoring wells around the landfill for PFAS at no cost to GRPU as part of a state-wide effort to further investigate the forever chemical impact to the environment.

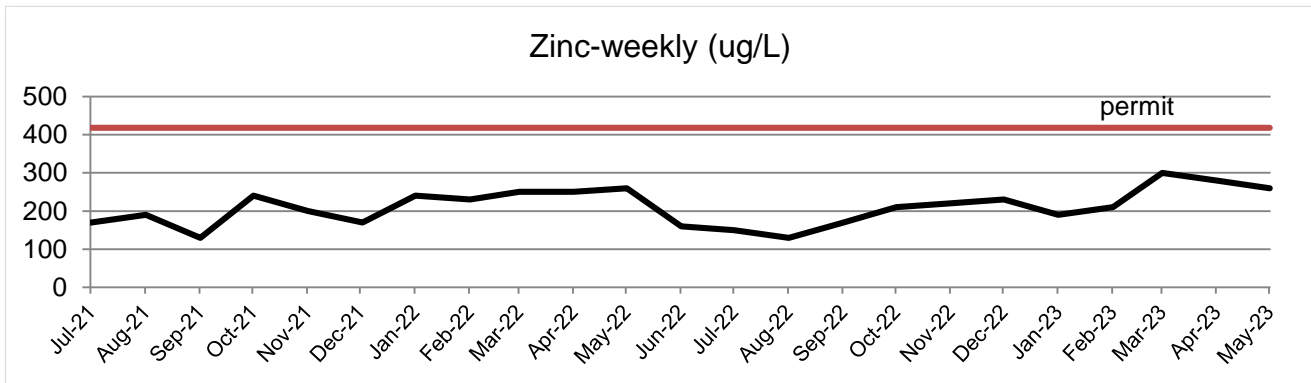
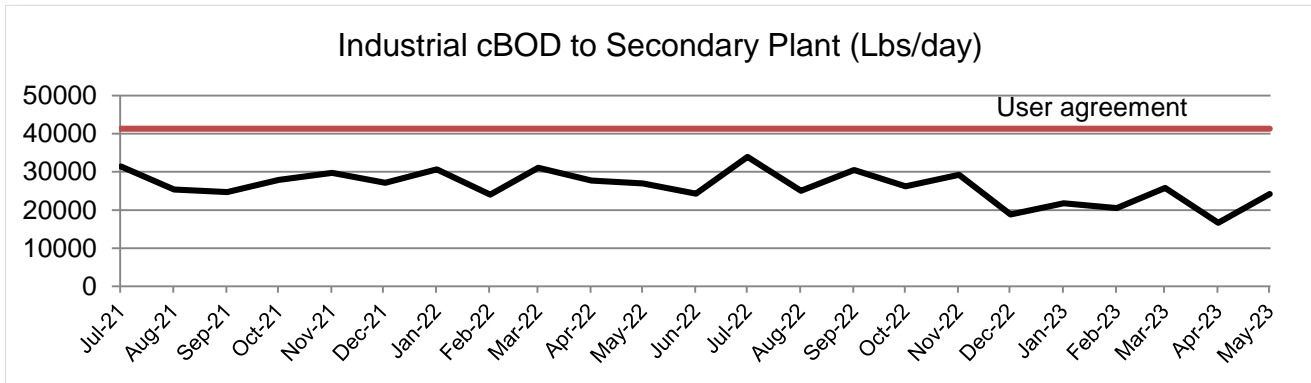
MPCA recently had an update on sulfate and wild rice. Monitoring sulfate will be part of our next NPDES permit.



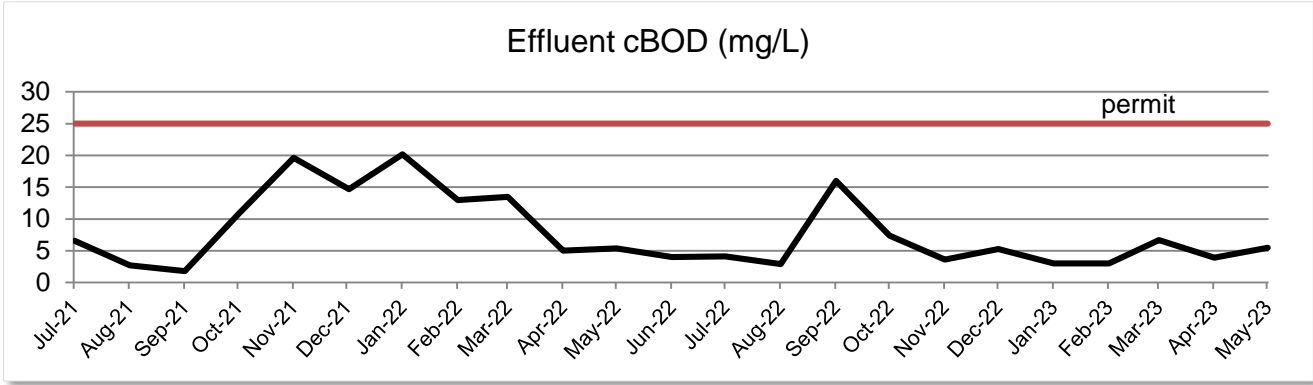
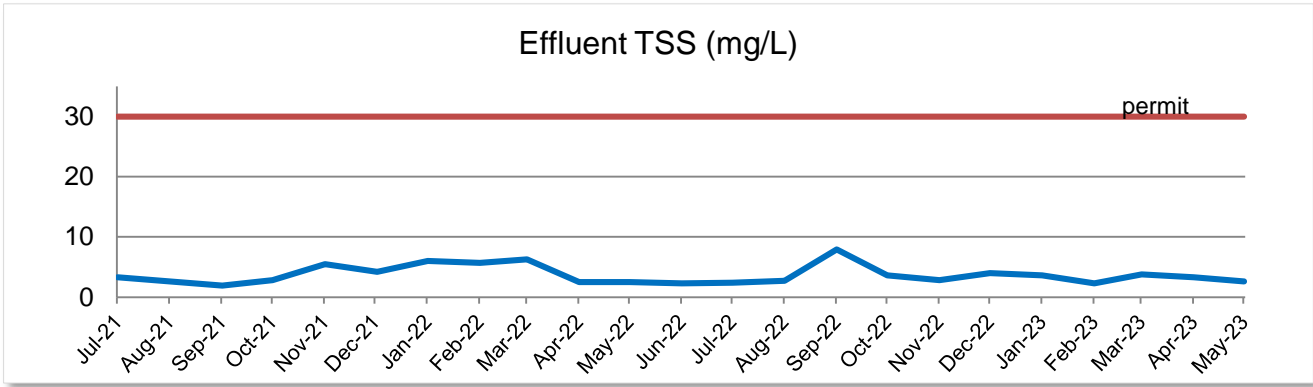
	Design Limits (monthly AVG)	Actual Results
<u>Primary Plant</u>		
Flow (MGD)	13.25	3.7
TSS (Tons/day)	162	14.2
TSS Peak (Tons/Day)	284	41.6



	Design Limits (monthly AVG)	Actual Results
<b>Secondary Plant</b>		
Flow (MGD)	15.25	5.5
cBOD (lbs/Day)	41,300	26,729
Peak cBOD (lbs/Day)	57,350	33,396
Zinc-weekly (ug/L)	418	260
% GRPUC		30.0%

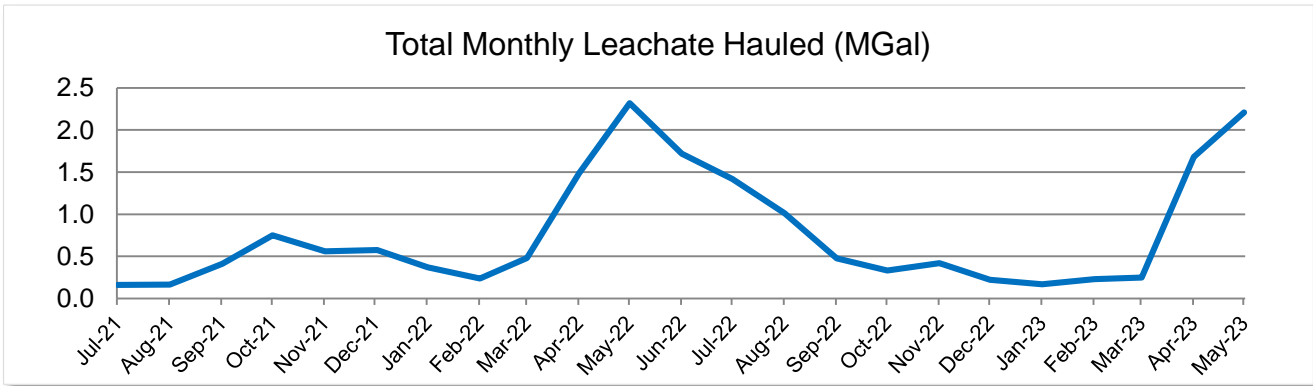


	Permit Limits (monthly AVG)	Actual Results
<b>Effluent</b>		
TSS (mg/L) – monthly average	30	2.6
cBOD (mg/L) – monthly average	25	5.5
Dissolved Oxygen (mg/L)	>1.0	6.2



## **Sludge Landfill Operations**

- 2.21 million gallons of leachate were hauled last month which is typical for spring/summer.
- 2,868 cubic yards of sludge solids were hauled to the landfill



# Capital and Operations Project Summary

COMMISSION REPORT CONTENTS									
Agency					Amount	Percent Spent	Percent		
Lead	Dept	Proj Desc	Proj #	Budget	Spent	(calc'd)	Comple	Status	Noted Issues / Highlights
City	WWC	Sylvan Overlays	WWCO2310	\$1,010,000	\$0	0%	2%	In Progress	
GRPU	WWC	Category 1 - Piping Repairs	WWCO2308	\$350,000	\$0	0%	0%	Not Started	
City	WWC	River Road Roundabout	WWCO2312	\$210,959	\$0	0%	0%	Not Started	
GRPU	WWC	Jetting		\$150,000	\$18,000	12%	5%	In Progress	
GRPU	WWC	Jetting Camera	WWCO2303	\$60,000	\$55,000	92%	100%	Completed	
City	WWC	6th Ave NW (4th-5th)	WWCO2302	\$52,000	\$0	0%	0%	Not Started	
GRPU	WWC	Lift Station 2 - Generator and Switch	WWCO2207	\$36,490	\$0	0%	25%	In Progress	
GRPU	WWC	Lift Station Pumps	WWCO2005	\$35,000	\$34,460	98%	75%	In Progress	
GRPU	WWC	Lift Station 8 Controls Update	WWCO2601	\$35,000	\$20,100	57%	40%	In Progress	
GRPU	WWC	Lift Station 6 I/I Repairs	WWCO2307	\$35,000	\$0	0%	0%	Not Started	
GRPU	WWC	Lift Station 9 Controls Update	WWCO2304	\$35,000	\$19,100	55%	40%	In Progress	
GRPU	WWC	Lift Station 3 - Generator and Switch	WWCO2208	\$32,825	\$0	0%	25%	In Progress	
GRPU	WWC	Lift Station 2 Pump	WWCO2305	\$25,000	\$0	0%	0%	Not Started	
GRPU	WWC	Clinic Lift Alarm Agent	WWCO2103	\$20,000	\$8,085	40%	60%	In Progress	
GRPU	WWC	Manhole Replacements	WWCO1805	\$20,000	\$0	0%	0%	Not Started	
GRPU	WWC	Mains and Services	WWCO1804	\$15,000	\$0	0%	0%	Not Started	
GRPU	WWC	Lift Station 2 Flow Meter	WWCO2309	\$8,000	\$0	0%	0%	Not Started	
GRPU	WWT	Septic Hauler Dump Station	WWSP2301	\$350,000	\$0	0%	0%	Not Started	
GRPU	WWT	Landfill Cover Work Ph 1-4, Ket D	WWSD2301	\$250,000	\$23,940	10%	50%	In Progress	
GRPU	WWT	Secondary Aeration Basin Mixer Repa	WWSP1804	\$175,000	\$0	0%	0%	Not Started	
GRPU	WWT	Rebuild Domestic Screen	WWDO1801	\$150,000	\$98,750	66%	100%	Completed	
GRPU	WWT	Replace Fiber ASV to CSC	WWSC2301	\$54,000	\$0	0%	0%	Not Started	
GRPU	WWT	Bleach Tank Replacement	WWSP2302	\$50,000	\$43,300	87%	60%	In Progress	
GRPU	WWT	Sludge Screw Conveyor - Screw	WWPP2103	\$50,000	\$0	0%	25%	In Progress	
GRPU	WWT	Demo of old Primary Plant	WWPP2001	\$50,000	\$0	0%	0%	Not Started	
GRPU	WWT	Trash Compactor	WWDO2302	\$50,000	\$0	0%	15%	In Progress	
GRPU	WWT	Painting Primary Clarifiers	WWPP2003	\$40,000	\$0	0%	10%	In Progress	
GRPU	WWT	Primary Plant Sludge Pumps	WWPP2303	\$28,000	\$0	0%	10%	In Progress	
GRPU	WWT	Primary Sludge Pump VFD	WWPP2301	\$24,000	\$0	0%	0%	Not Started	
GRPU	WWT	Landfill Phase Pumps	WWSD2302	\$18,000	\$0	0%	0%	Not Started	
GRPU	WWT	Forks for Front End Loader	WWPP2202	\$12,000	\$9,500	79%	100%	Completed	
GRPU	WWT	Replace Fiber Segment 1	WWSH2302	\$12,000	\$0	0%	0%	Not Started	
GRPU	WWT	VFD Upgrades for Lift Pumps	WWSH2301	\$12,000	\$0	0%	10%	In Progress	
GRPU	WWT	Leachate Phase Pump	WWSD2101	\$8,000	\$0	0%	0%	Not Started	
GRPU	WWT	Screw Press VFD	WWPP2302	\$8,000	\$0	0%	0%	Not Started	
GRPU	WWT	Flow Meter for Domestic Flow	WWDO2301	\$7,000	\$0	0%	0%	Not Started	
GRPU	WWT	WWTP Alarm Agent	WWPP2304	\$6,500	\$6,000	92%	60%	In Progress	

## Status Definitions

**Not Started** - no human or financial resources utilized

**In Progress** - time or money spent on the project

**In Service** - operational but final close out needed

**Completed** - done and closed out

**On Hold** - waiting on some type of significant action