

**GRAND RAPIDS
PUBLIC UTILITIES**

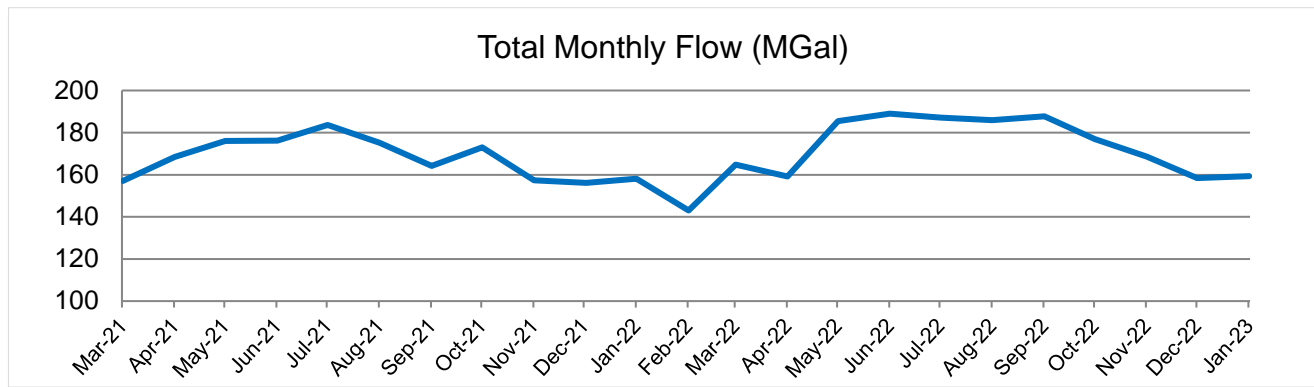
Service is Our Nature

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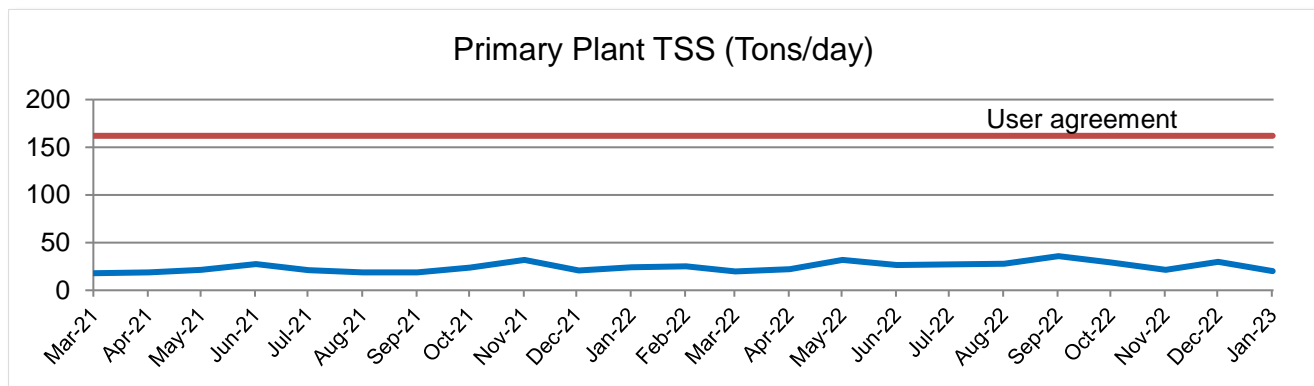
WASTEWATER UTILITY MONTHLY REPORT February 2023 Commission Meeting

Wastewater 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 99.5% of the Total Suspended Solids (TSS) and 99.5% Biochemical Oxygen Demand (cBOD).



	Design Limits (monthly AVG)	Actual Results
<u>Primary Plant</u>		
Flow (MGD)	13.25	3.9
TSS (Tons/day)	162	20.1
TSS Peak (Tons/Day)	284	52.5

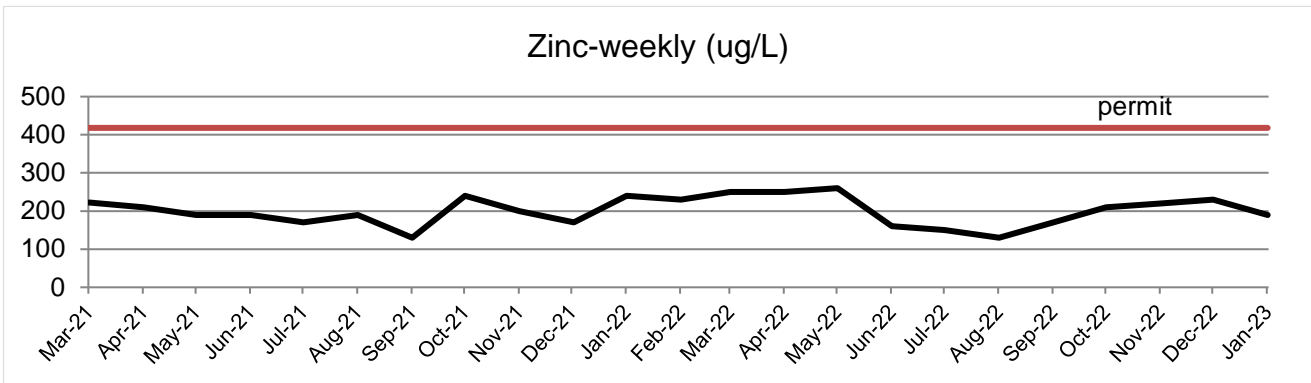
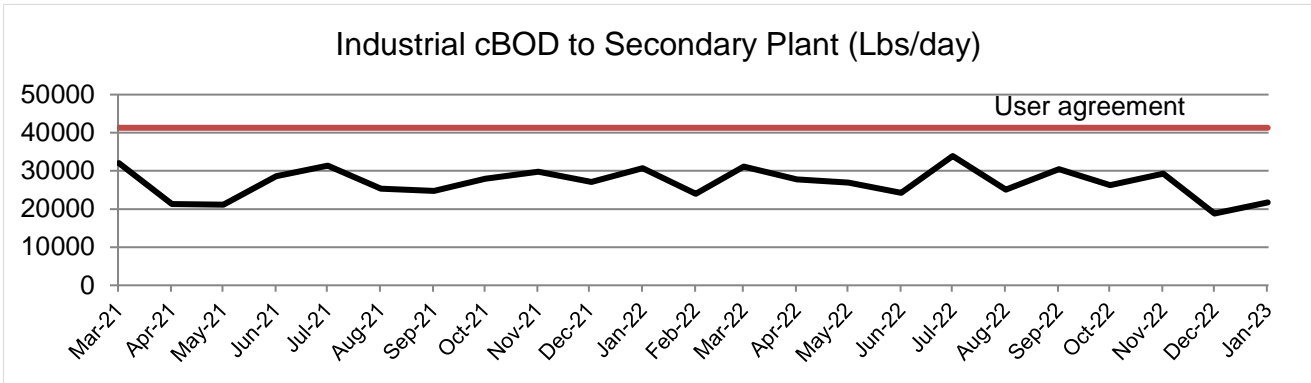


Design Limits
(monthly AVG)

Actual Results

Secondary Plant

Flow (MGD)	15.25	5.1
cBOD (lbs/Day)	41,300	24,260
Peak cBOD (lbs/Day)	57,350	35,633
Zinc-weekly (ug/L)	418	190
% GRPUC		23.7%

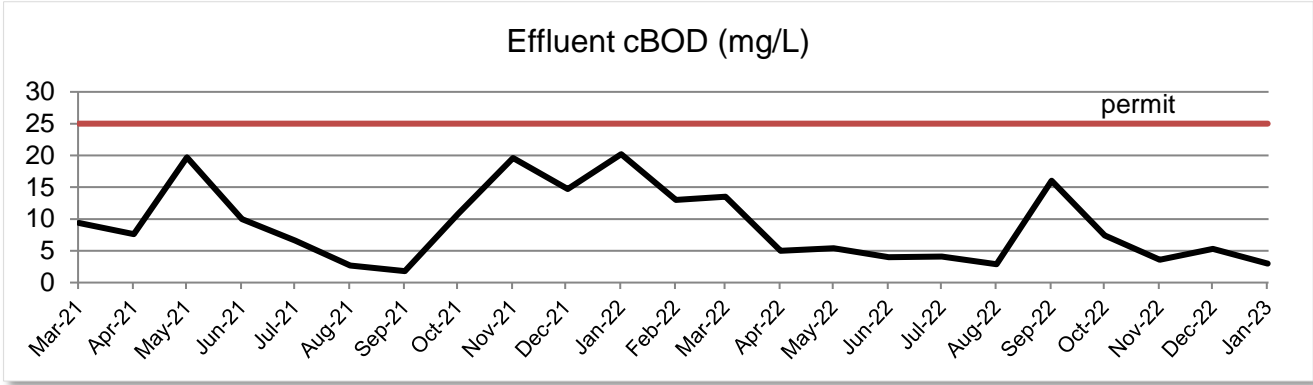
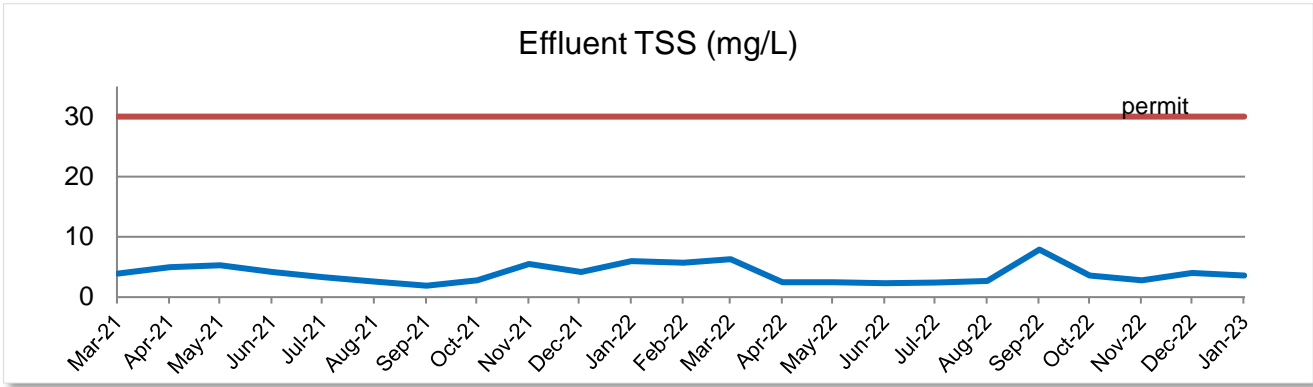


Permit Limits
(monthly AVG)

Actual Results

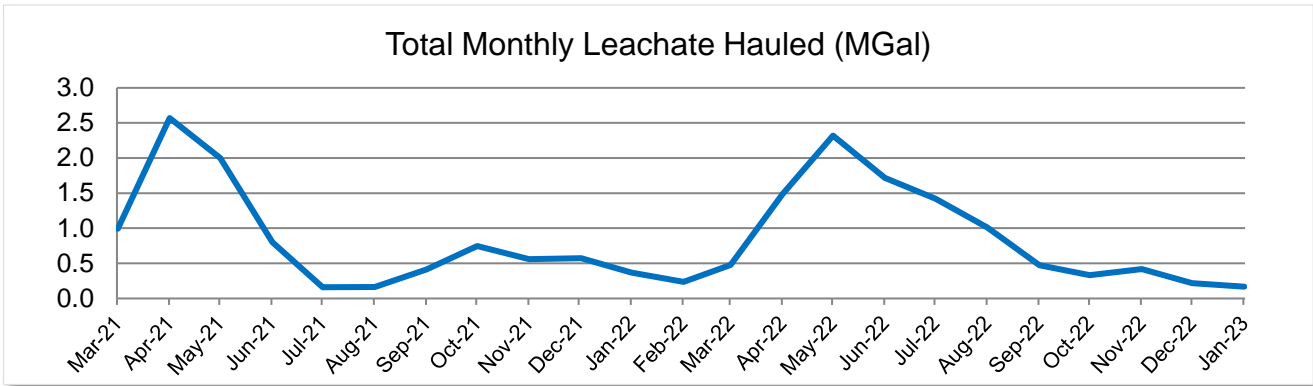
Effluent

TSS (mg/L) – monthly average	30	3.6
cBOD (mg/L) – monthly average	25	3.0
Dissolved Oxygen (mg/L)	>1.0	9.2



Sludge Landfill Operations

- 0.17 million gallons of leachate were hauled last month which is typical for the month of January.
- 3,888 cubic yards of sludge solids were hauled to the landfill



Capital and Operations Project Summary

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