

GRAND RAPIDS  
PUBLIC UTILITIES

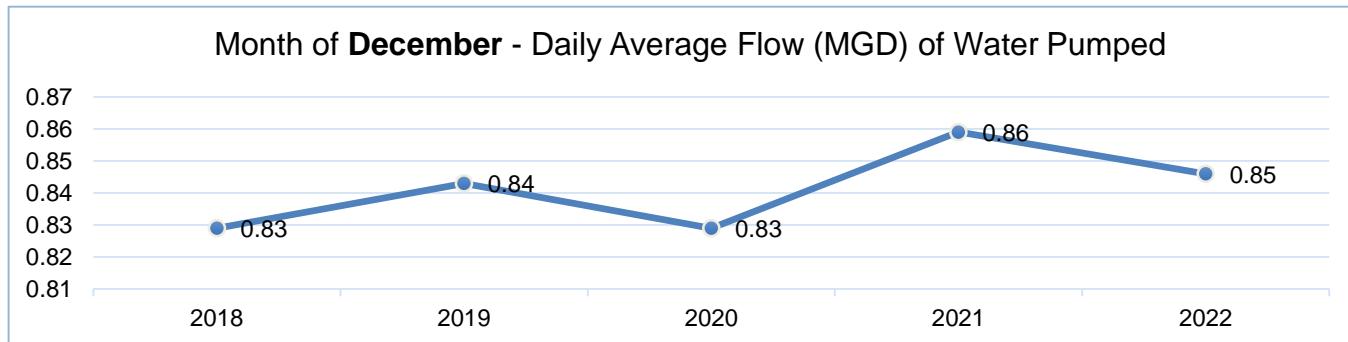
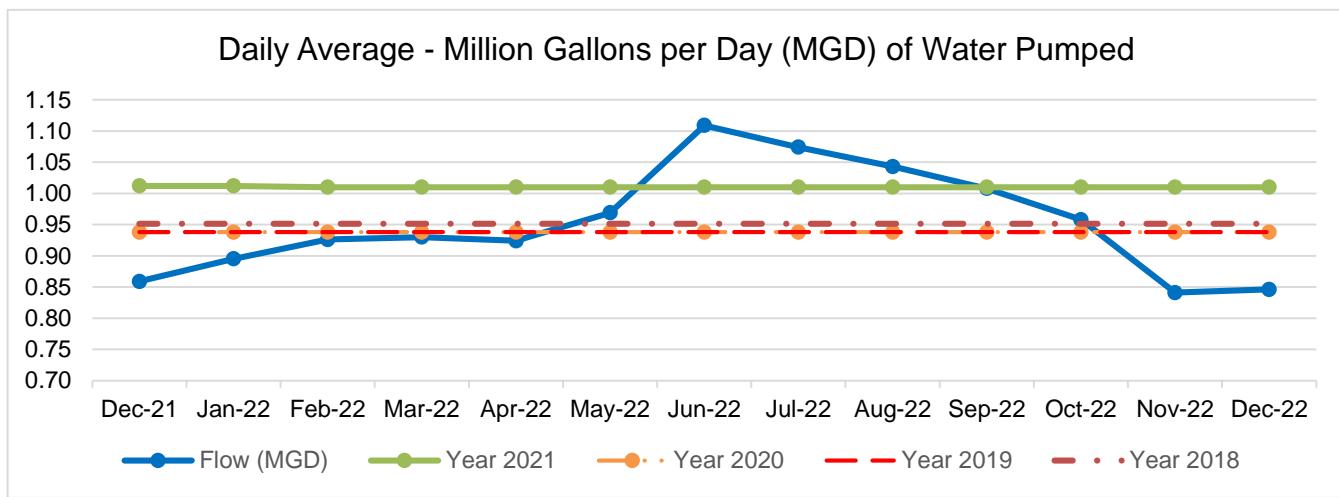
Service is Our Nature

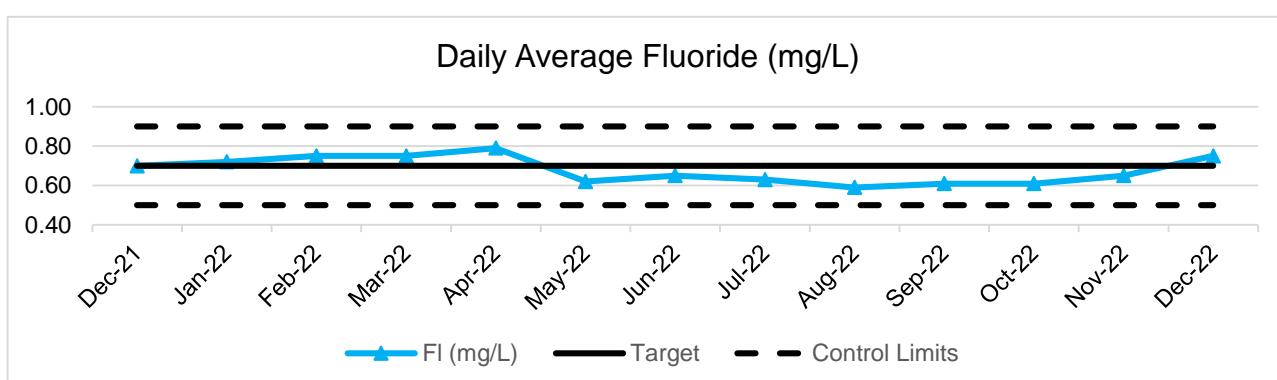
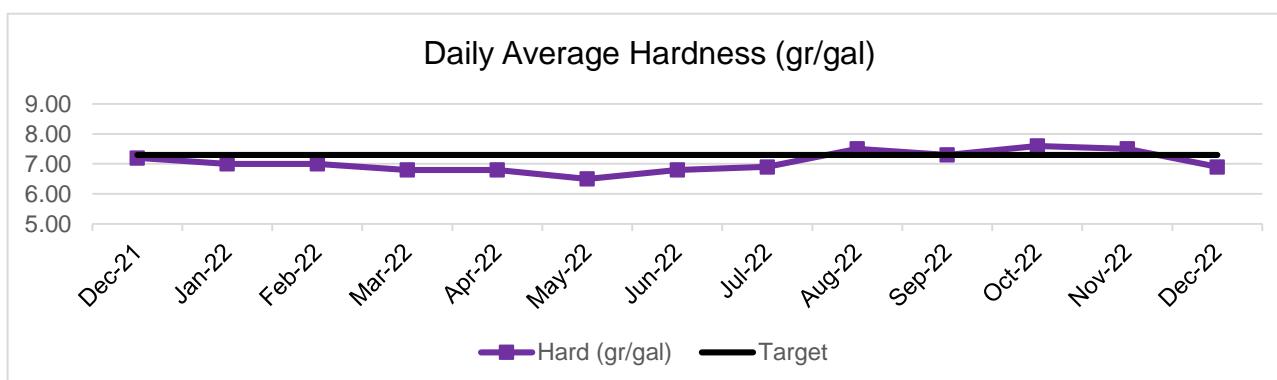
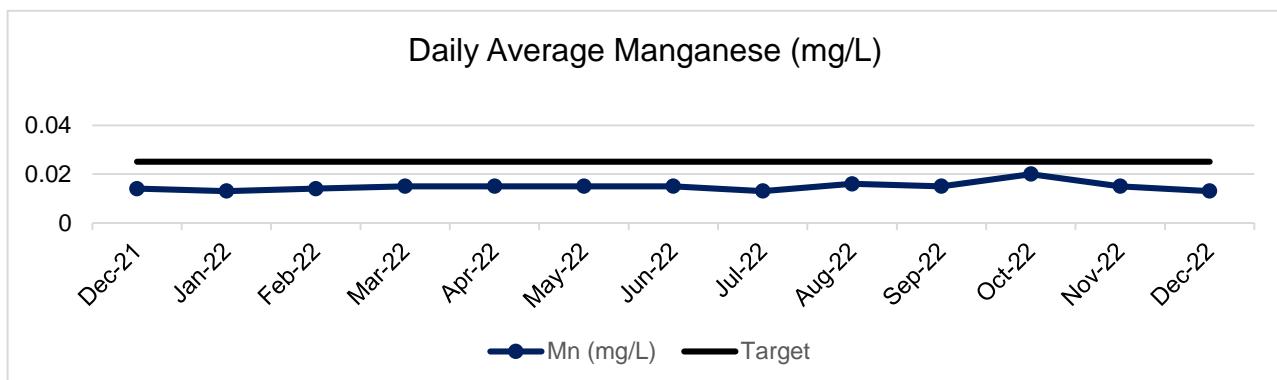
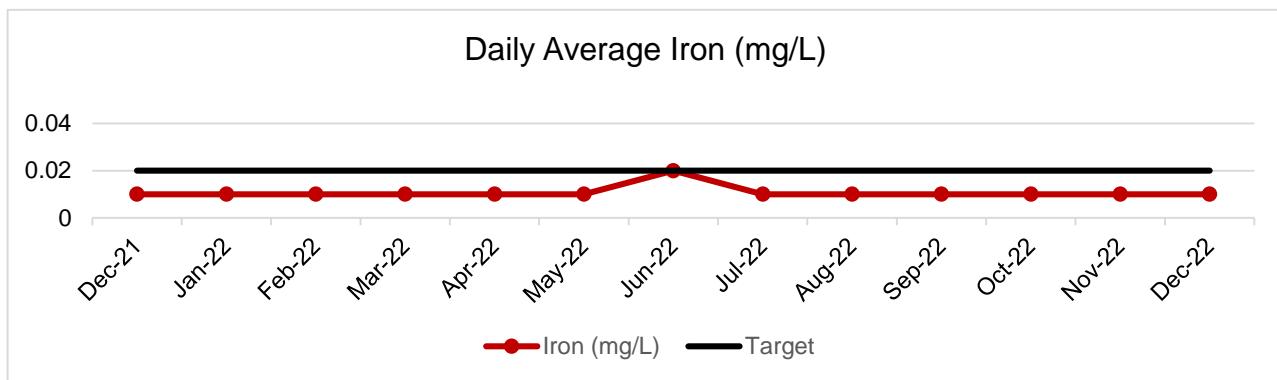
500 SE Fourth Street • Grand Rapids, Minnesota 55744

## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT January 2023 Commission Meeting

### Water Operations

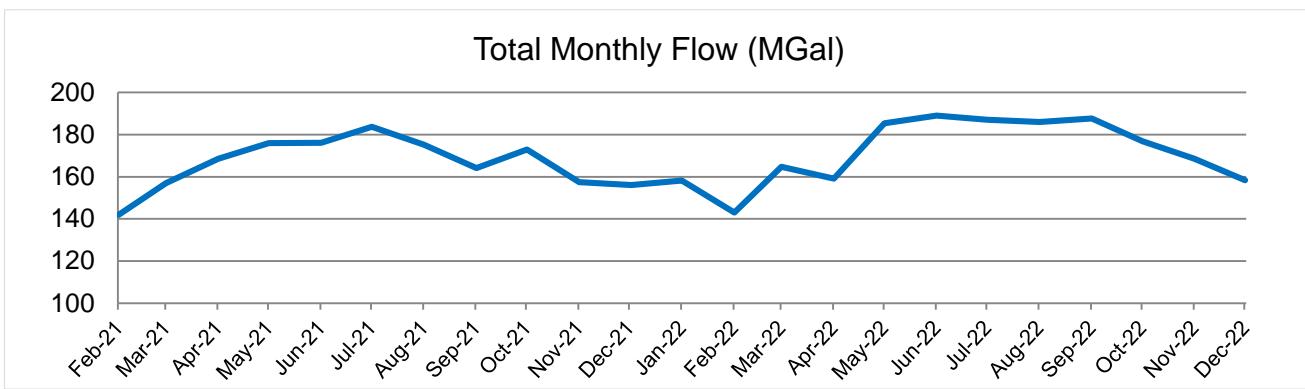
The water plant pumped an average of 0.85 million gallons of water per day (MGD) with a peak of 0.97 million gallons during last month.



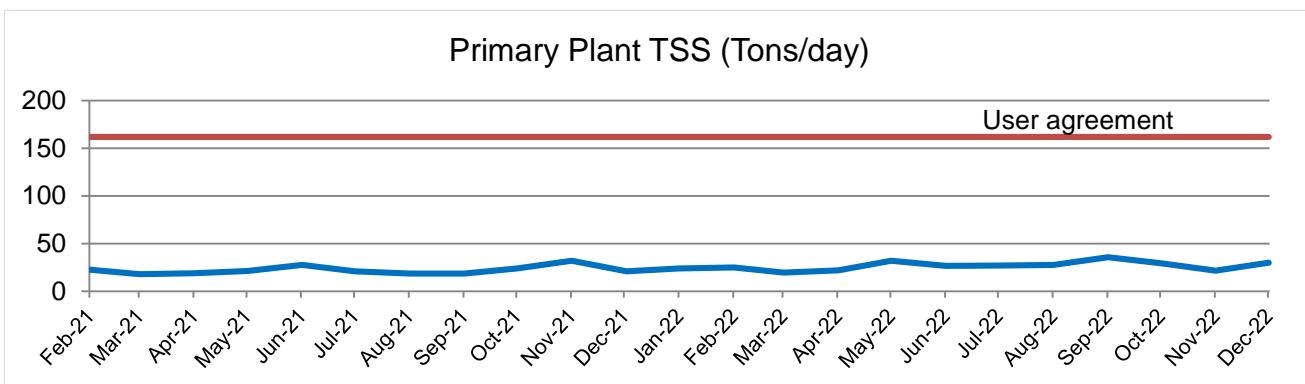


## Wastewater Operations

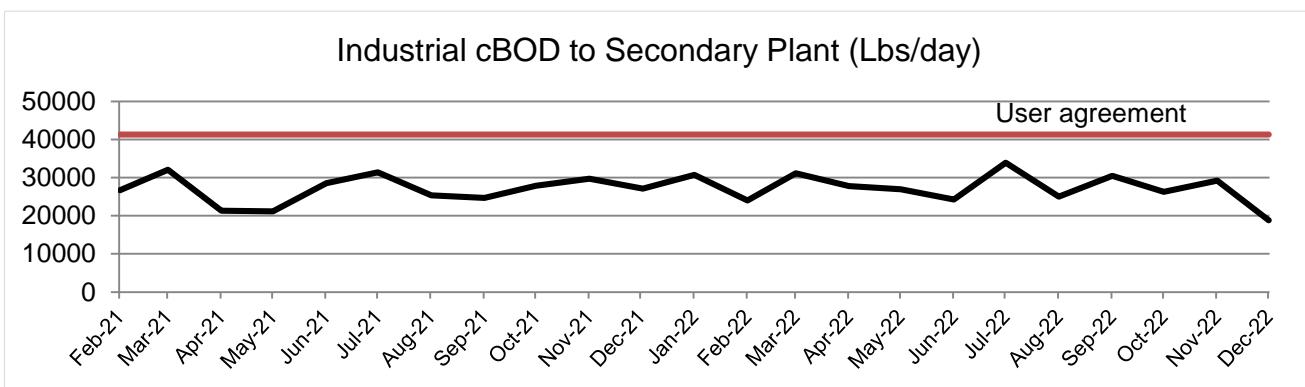
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 158 million gallons of water removing 99.4% of the Total Suspended Solids (TSS) and 98.8% Biochemical Oxygen Demand (cBOD).

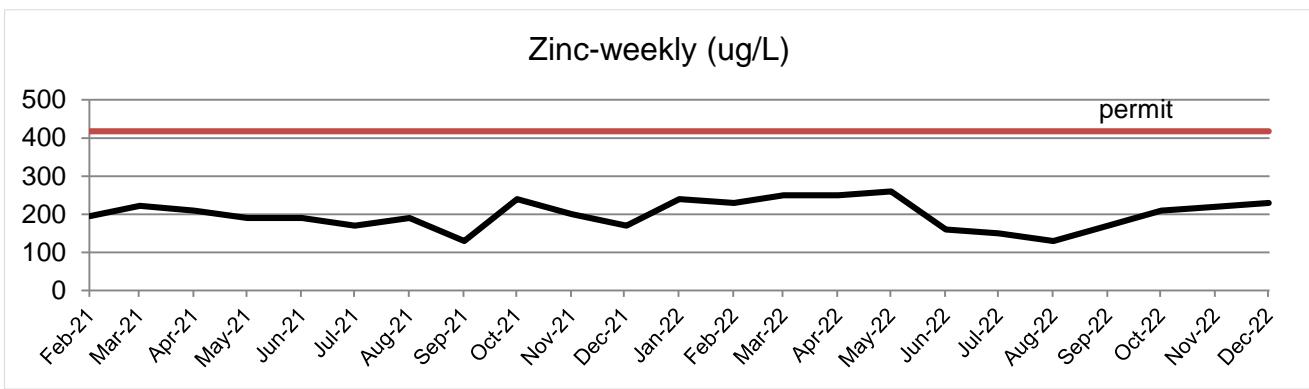


Design Limits (monthly AVG)		Actual Results	
<b>Primary Plant</b>			
Flow (MGD)	13.25	3.9	
TSS (Tons/day)	162	29.9	
TSS Peak (Tons/Day)	284	89.4	

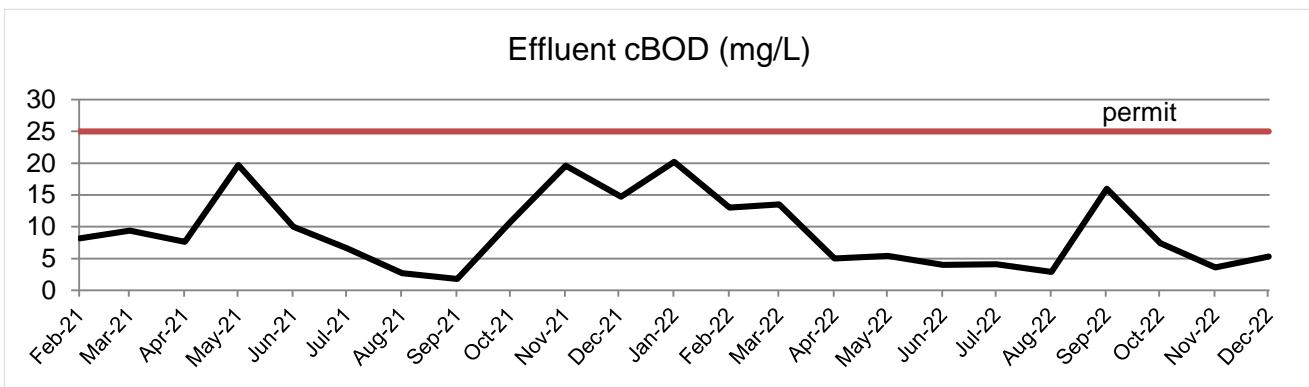
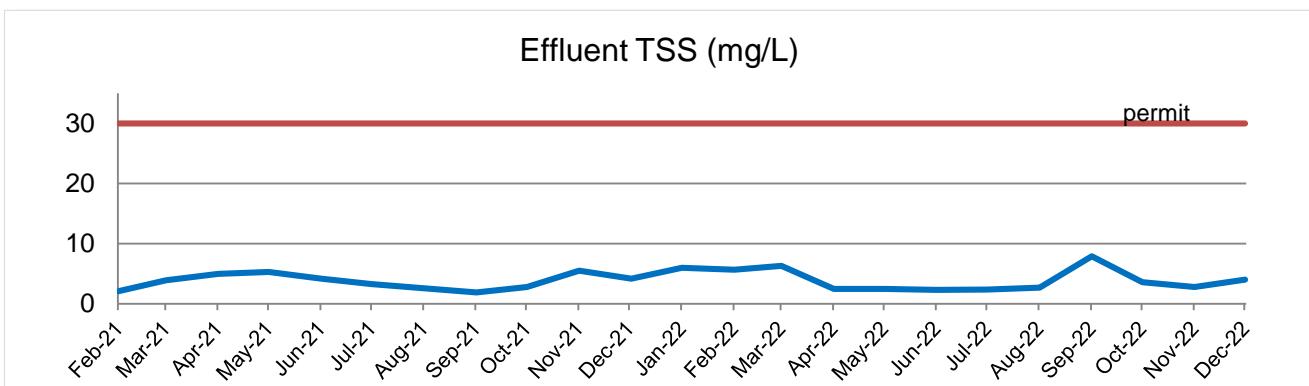


Design Limits (monthly AVG)		Actual Results	
<b>Secondary Plant</b>			
Flow (MGD)	15.25	5.1	
cBOD (lbs/Day)	41,300	21,084	
Peak cBOD (lbs/Day)	57,350	39,938	
Zinc-weekly (ug/L)	418	230	
% GRPUC		23.7%	



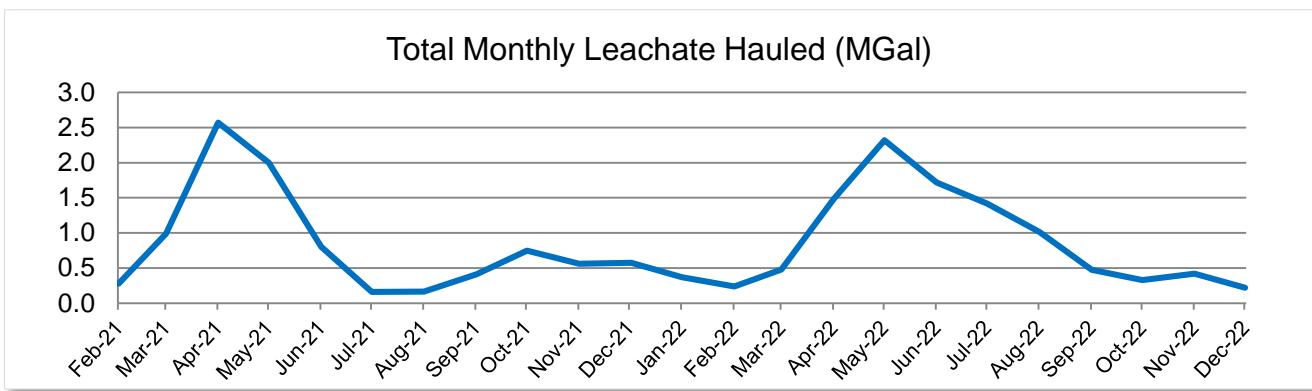


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	4.0
cBOD (mg/L) – monthly average	25	5.3
Dissolved Oxygen (mg/L)	>1.0	9.1



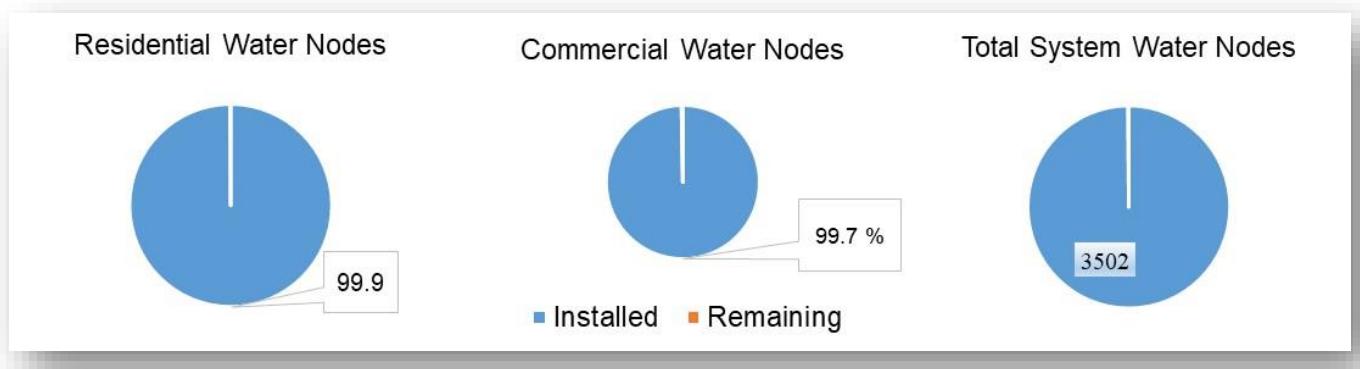
## **Sludge Landfill Operations**

- 0.22 million gallons of leachate were hauled last month
- 3,420 cubic yards of sludge solids were hauled to the landfill



### AMI Water Install Last Month

We installed 6 water nodes and/or meters in residential routes. We currently have 3502 (99%) active water nodes installed in the system. We continue working towards getting the remaining nodes installed.



### Projects Performed Last Month

- Completed CAPEX project – Sludge Screw Conveyor – Screw section replacement at WWT.
- Rebuilt 5 hp lift pumps for lift stations.
- Combined service center building lunchroom remodel.

### Projects Scheduled for This Month

- Replace filter effluent valves at WTP.
- Phase 2 of lunchroom remodel.
- Rotary screw thickener - variable frequency drive upgrade.