



GRAND RAPIDS  
PUBLIC UTILITIES

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500 SE Fourth Street • Grand Rapids, Minnesota 55744

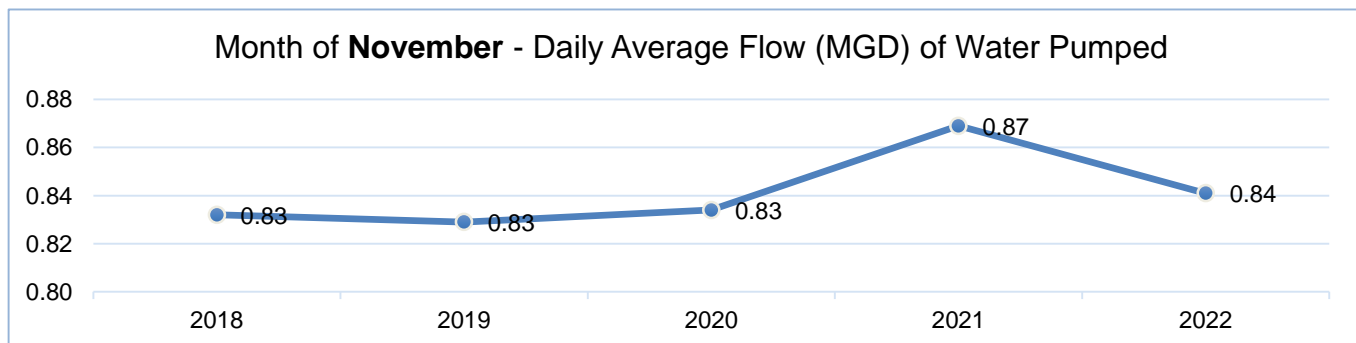
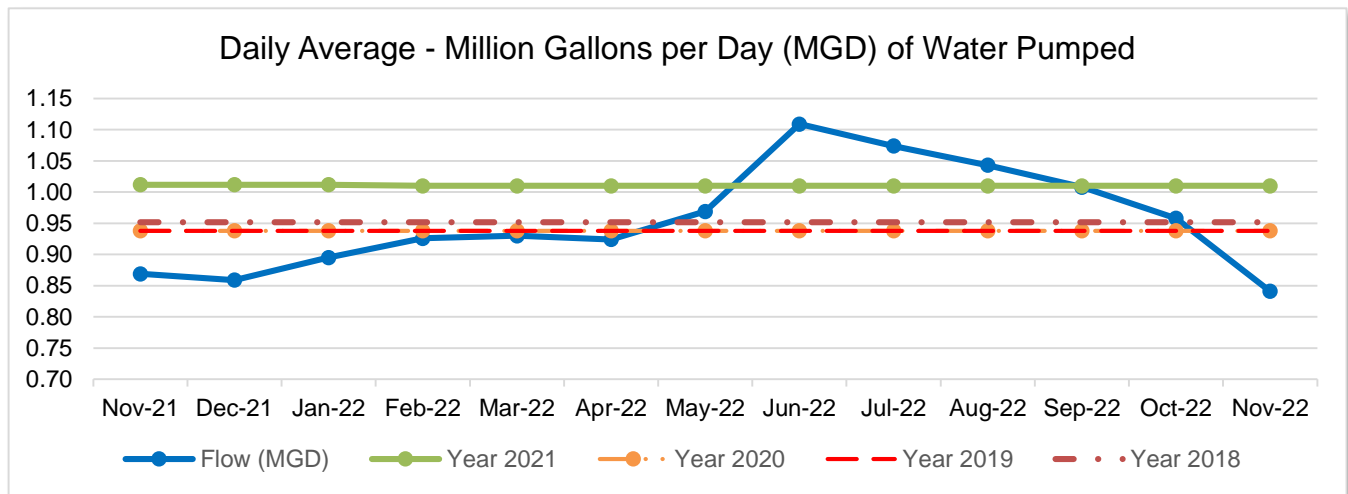
## WATER & WASTEWATER DEPARTMENT MONTHLY REPORT December 2022 Commission Meeting

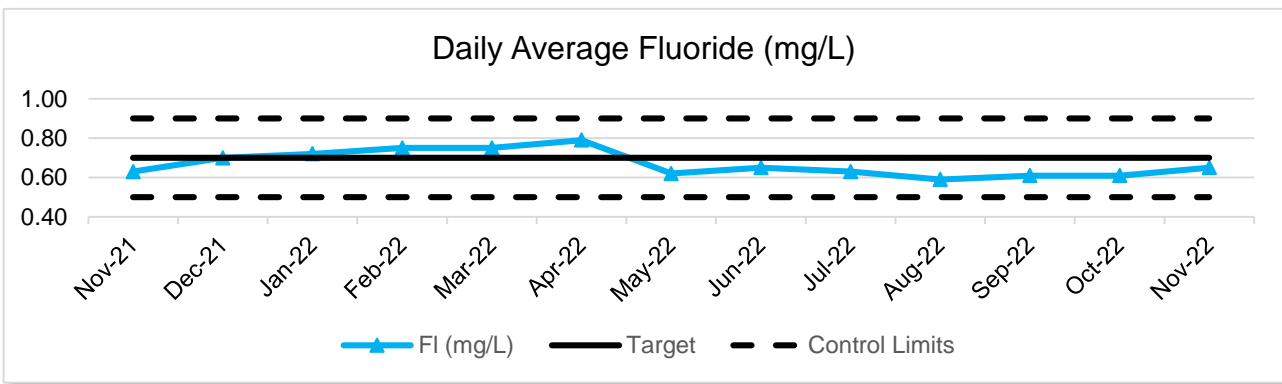
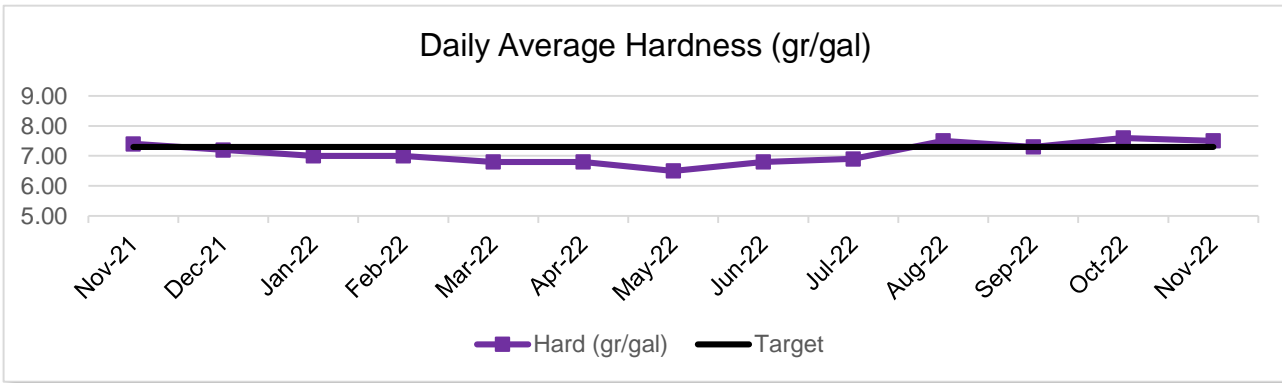
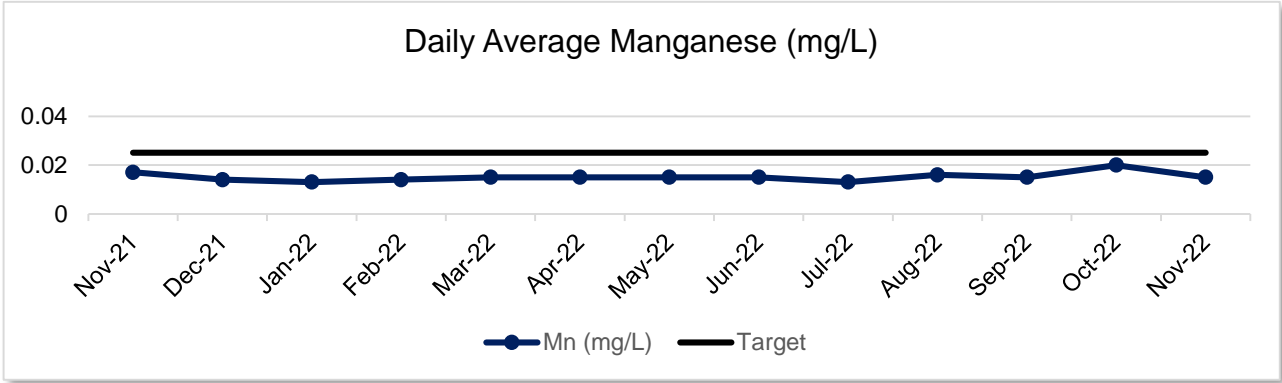
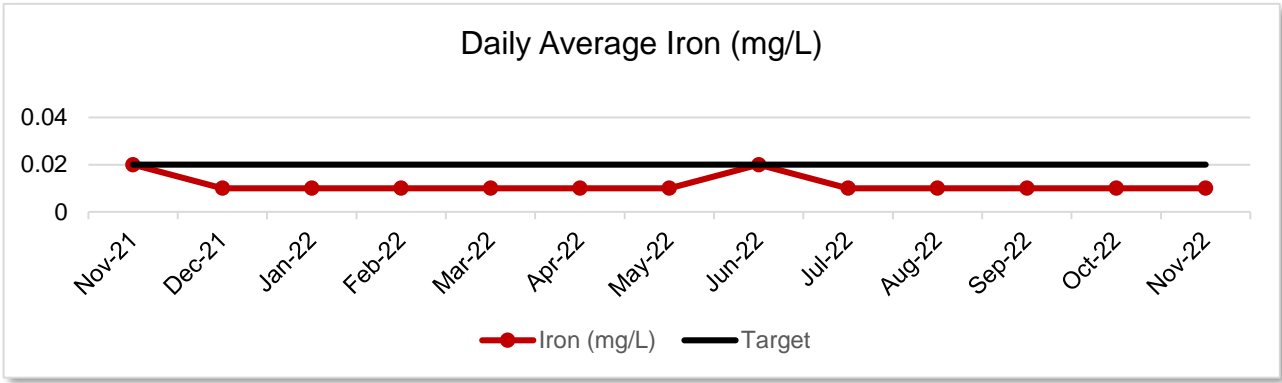
### Safety

There were no OSHA recordable accidents last month.

### Water Operations

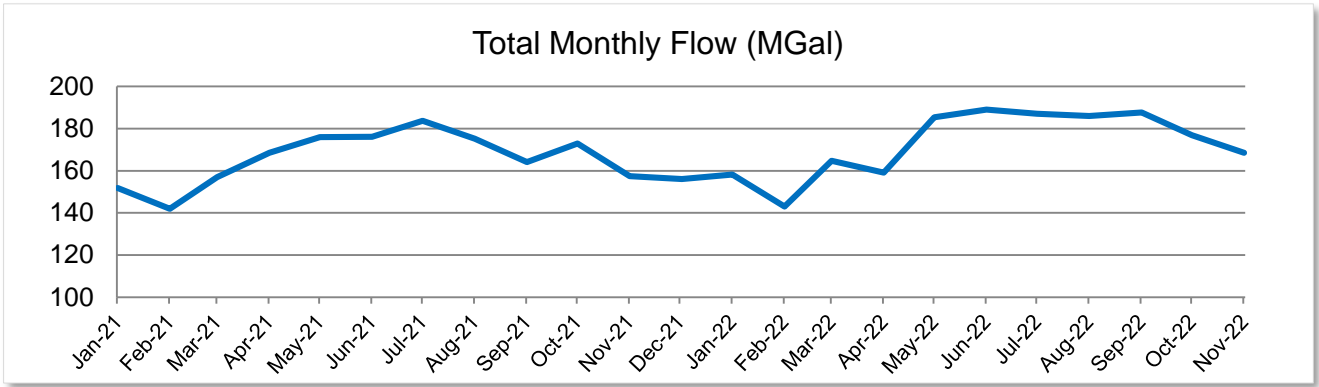
The water plant pumped an average of 0.84 million gallons of water per day (MGD) with a peak of 0.99 million gallons during last month.



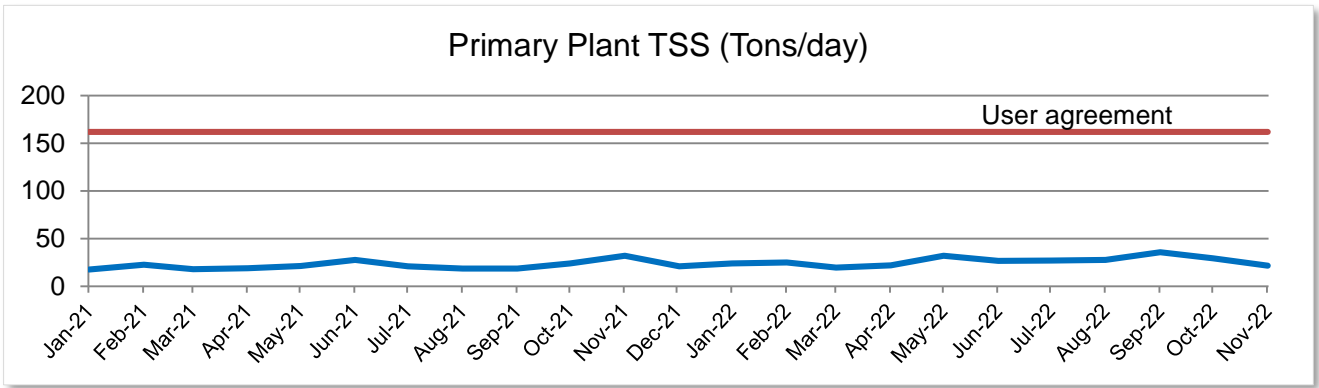


## Wastewater Operations

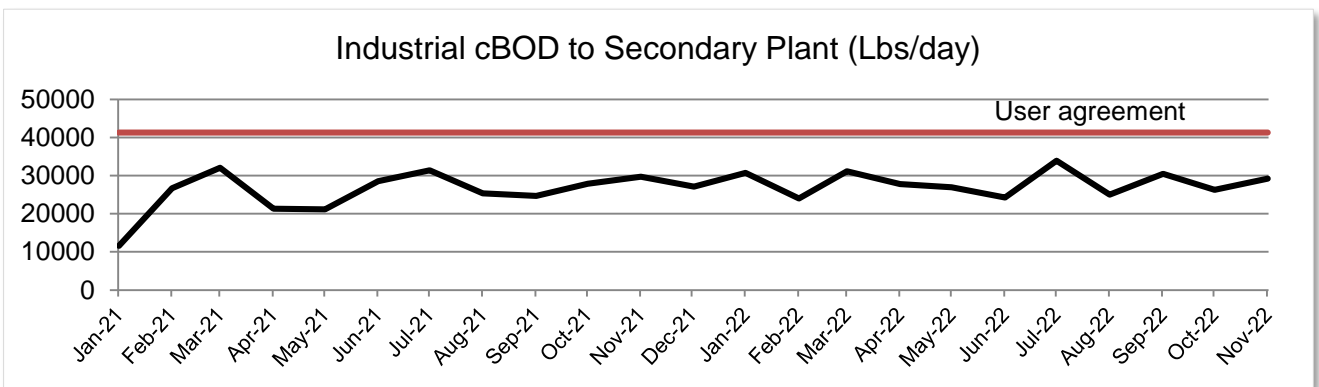
The Wastewater Treatment Plant (WWTP) met all National Pollutant Discharge Elimination System (NPDES) permit requirements last month. We treated 169 million gallons of water removing 99.7% of the Total Suspended Solids (TSS) and 99.5% Biochemical Oxygen Demand (cBOD).

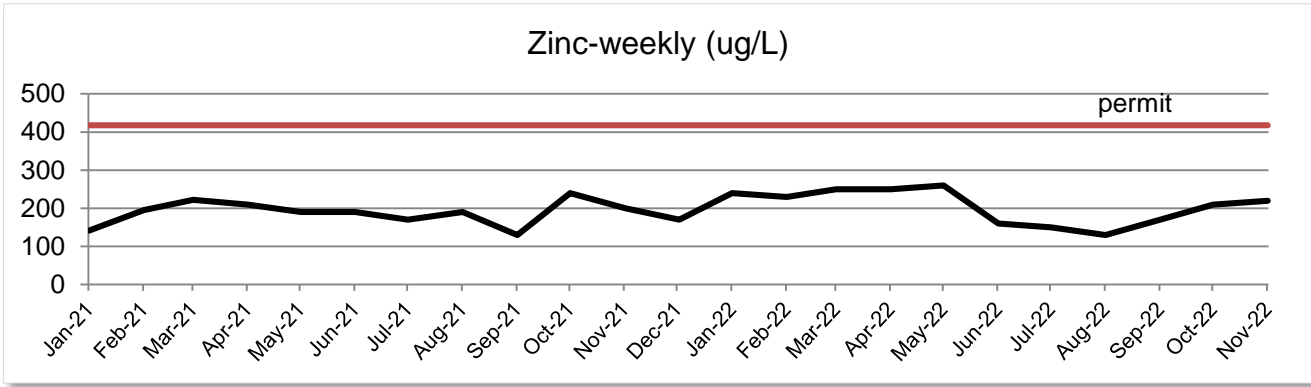


	Design Limits (monthly AVG)	Actual Results
<b>Primary Plant</b>		
Flow (MGD)	13.25	4.3
TSS (Tons/day)	162	21.6
TSS Peak (Tons/Day)	284	53.2

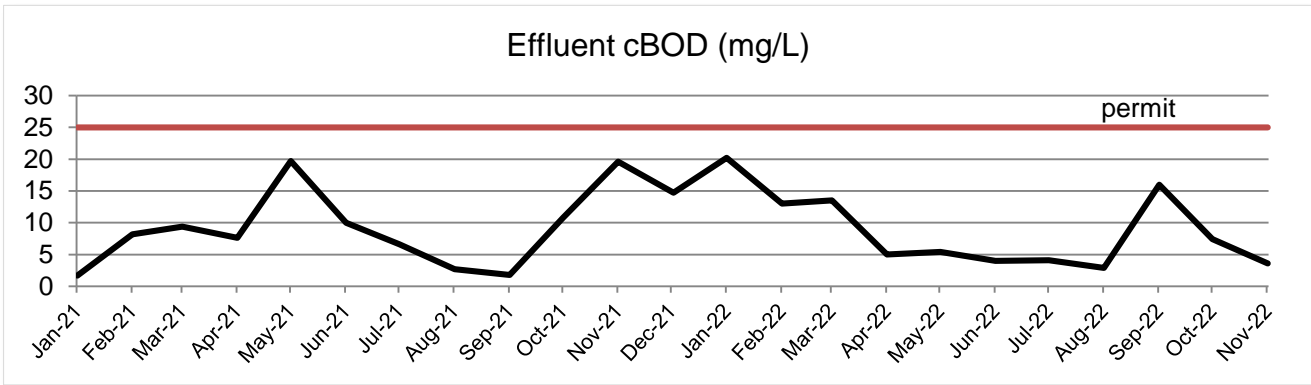
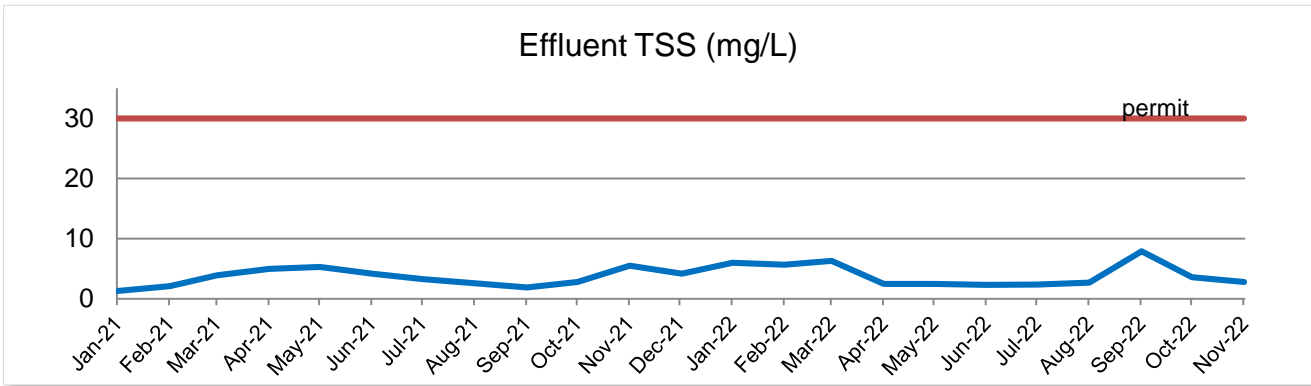


	Design Limits (monthly AVG)	Actual Results
<b>Secondary Plant</b>		
Flow (MGD)	15.25	5.6
cBOD (lbs/Day)	41,300	31,490
Peak cBOD (lbs/Day)	57,350	44,255
Zinc-weekly (ug/L)	418	220
% GRPUC		25.1%



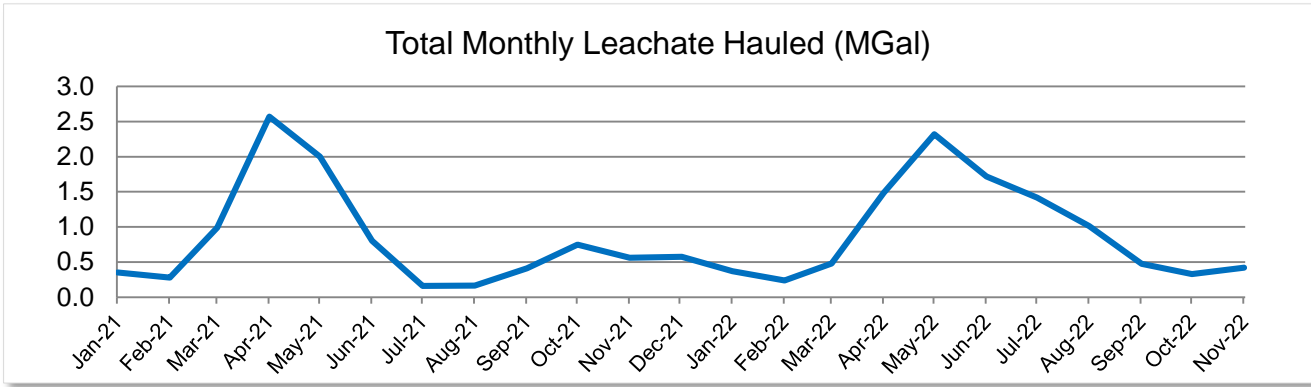


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	2.8
cBOD (mg/L) – monthly average	25	3.6
Dissolved Oxygen (mg/L)	>1.0	8.2



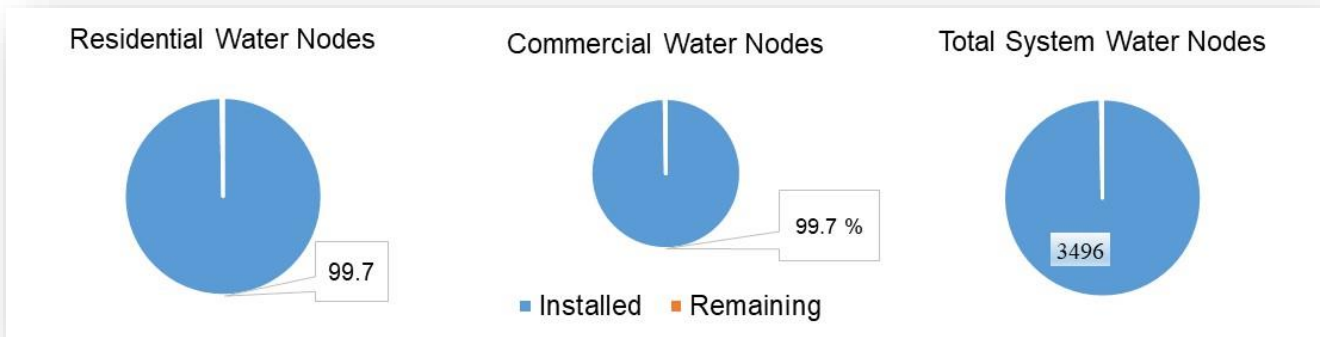
**Sludge Landfill Operations**

- 0.42 million gallons of leachate were hauled last month
- 3,816 cubic yards of sludge solids were hauled to the landfill



**AMI Water Install Last Month**

We installed 4 water nodes and/or meters in residential routes. We currently have 3496 (99%) active water nodes installed in the system. We continue working towards getting the remaining nodes installed.



**Projects Performed Last Month**

- WWT Aeration basin mixer repairs project.
- No. 6 lift station rehabilitation.
- Motor replacement on RST 1 Drum Drive.

**Projects Scheduled for This Month**

- Rebuild two 5hp lift station pumps.
- WWT Effluent water system check valve replacement.
- RAS pump oil changes 7A and 7B.
- Assisting with lunchroom remodel.