

GRAND RAPIDS
PUBLIC UTILITIES

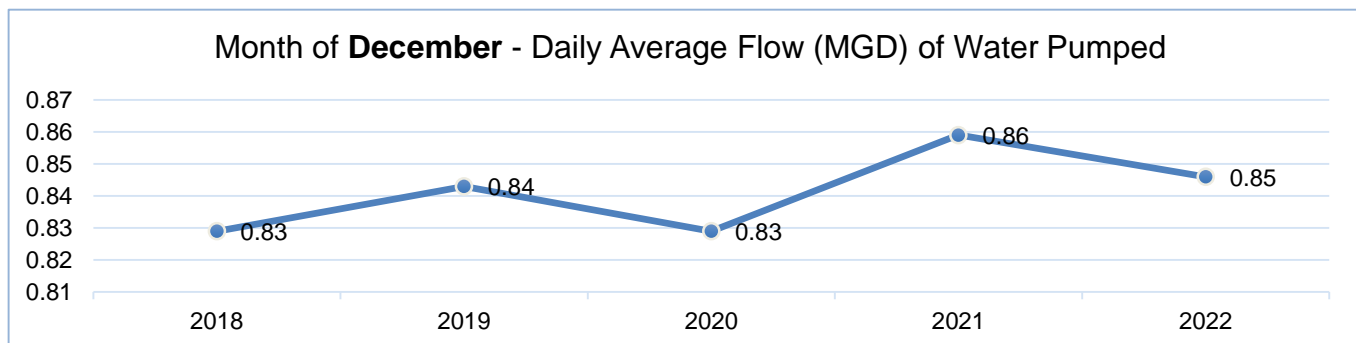
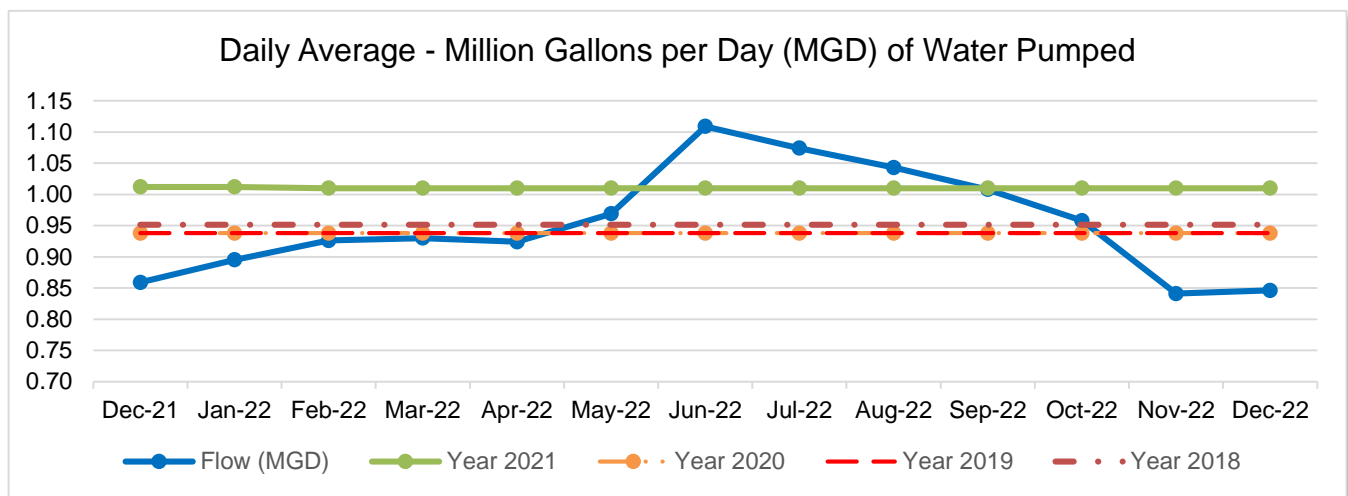
Service is Our Nature

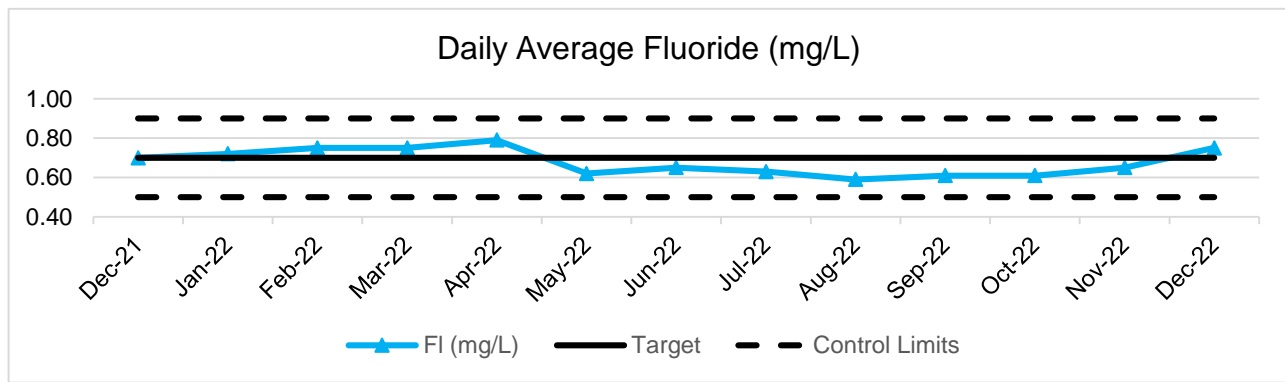
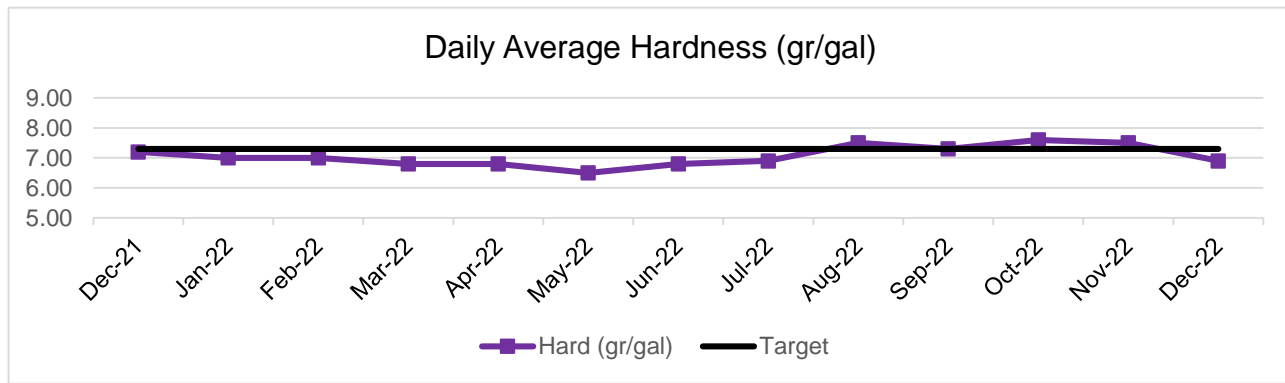
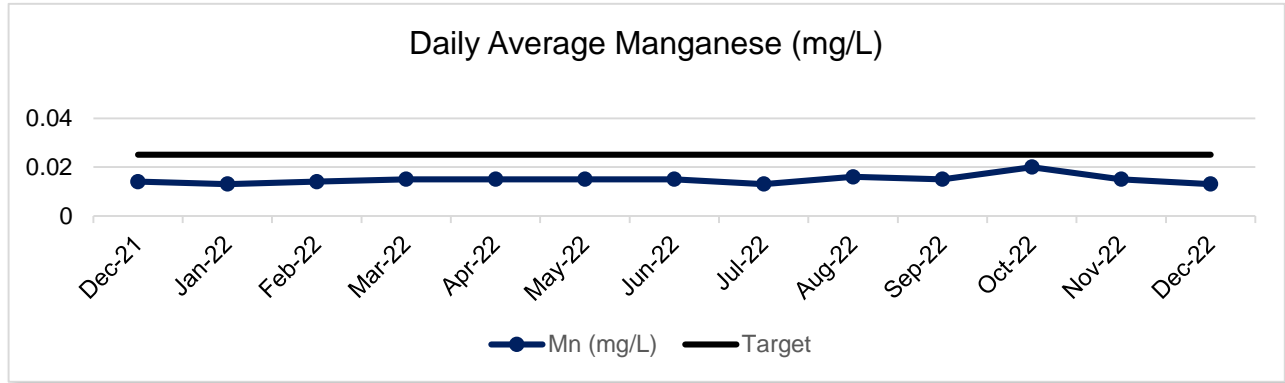
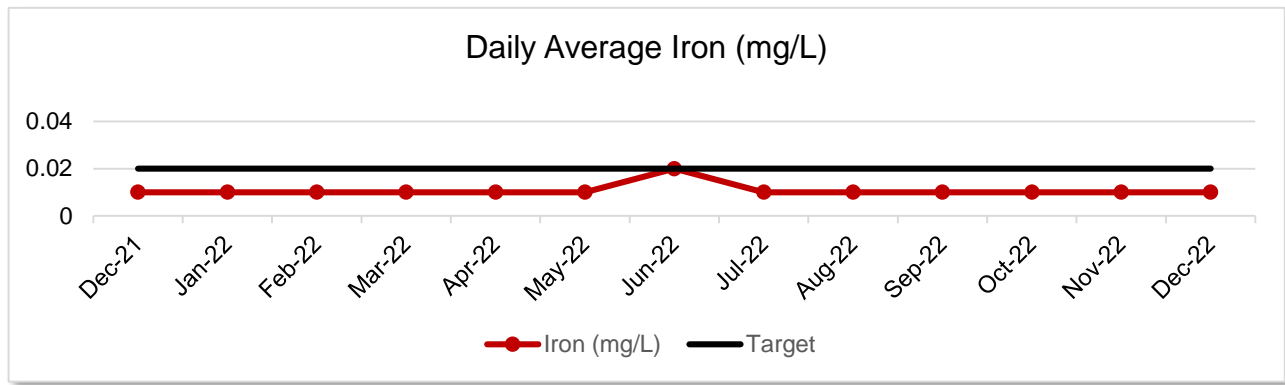
500 SE Fourth Street • Grand Rapids, Minnesota 55744

WATER & WASTEWATER DEPARTMENT MONTHLY REPORT January 2023 Commission Meeting

Water Operations

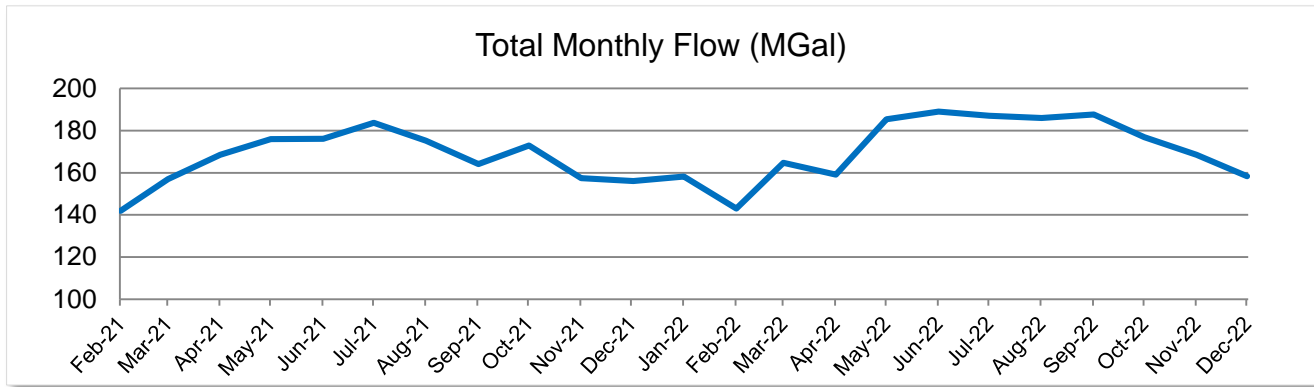
The water plant pumped an average of 0.85 million gallons of water per day (MGD) with a peak of 0.97 million gallons during last month.





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).

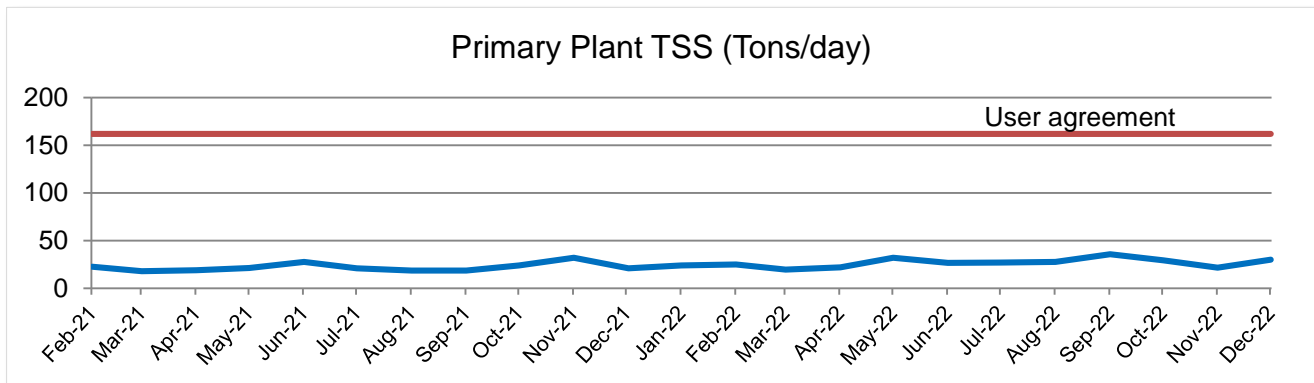


Design Limits
(monthly AVG)

Actual Results

Primary Plant

Flow (MGD)	13.25	3.9
TSS (Tons/day)	162	29.9
TSS Peak (Tons/Day)	284	89.4

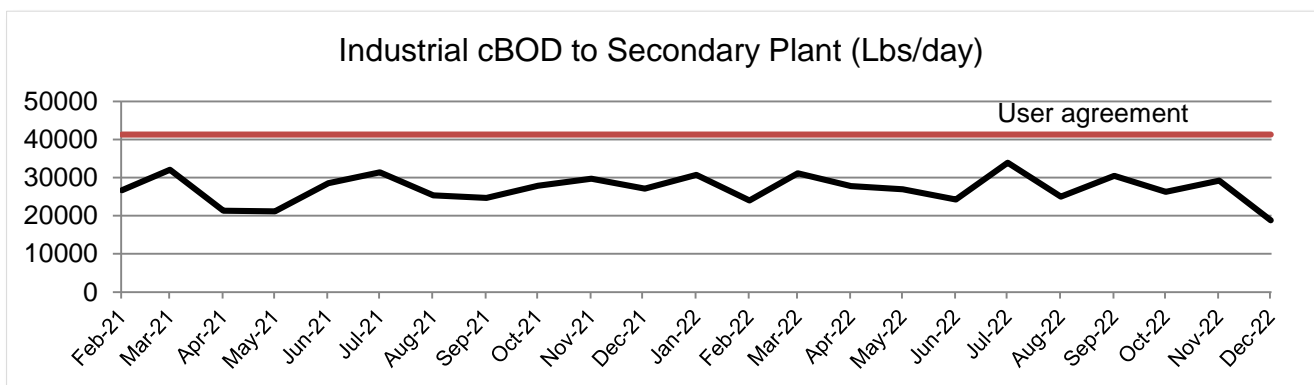


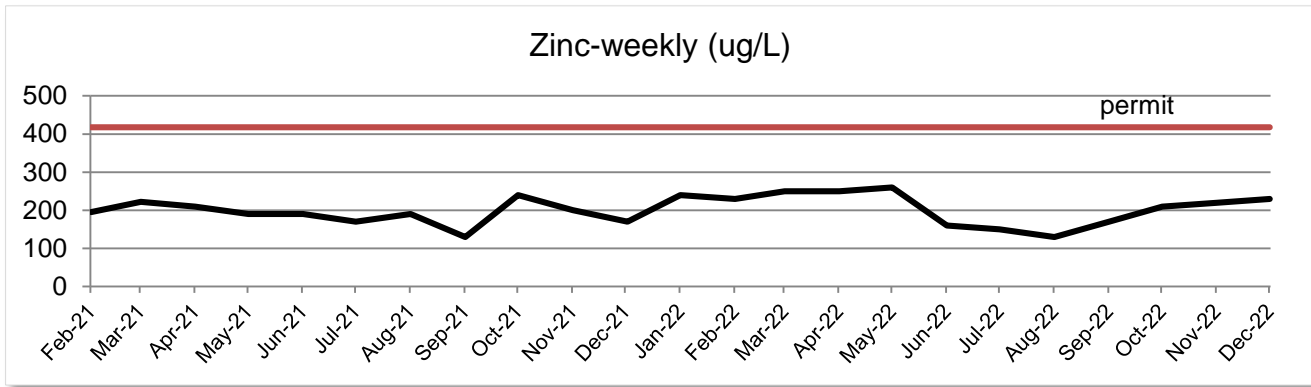
Design Limits
(monthly AVG)

Actual Results

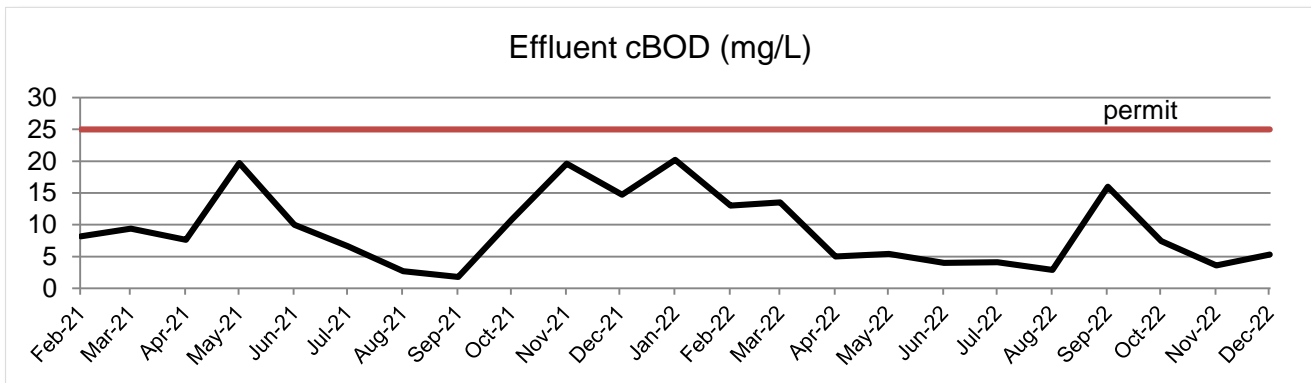
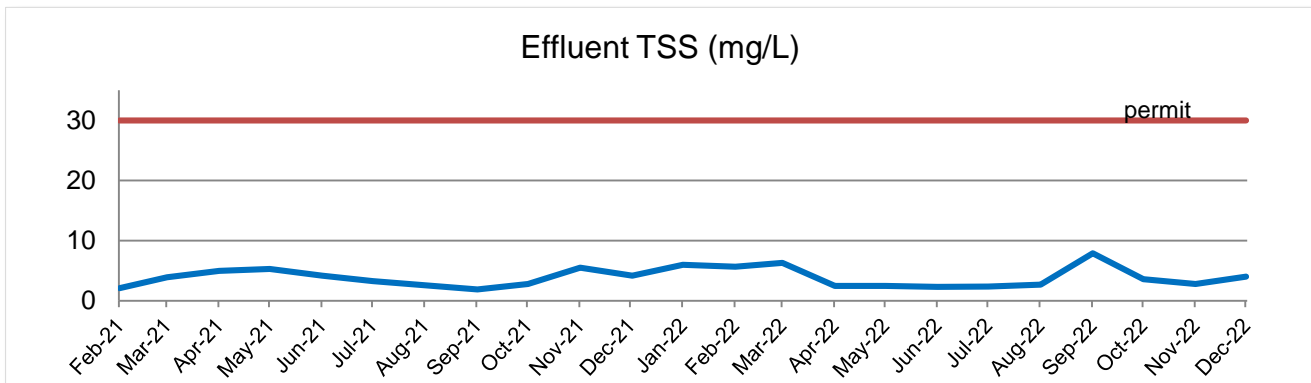
Secondary Plant

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%



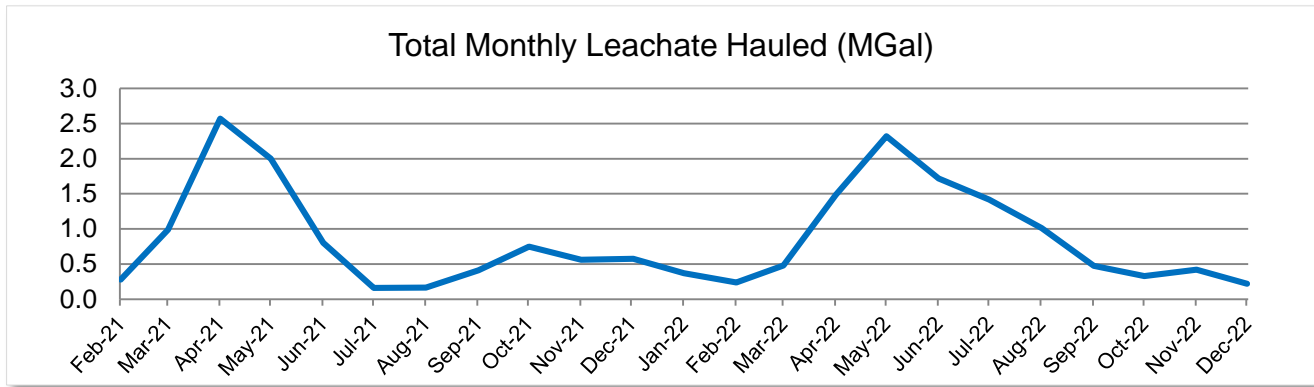


	Permit Limits (monthly AVG)	Actual Results
<u>Effluent</u>		
TSS (mg/L) – monthly average	30	4.0
cBOD (mg/L) – monthly average	25	5.3
Dissolved Oxygen (mg/L)	>1.0	9.1



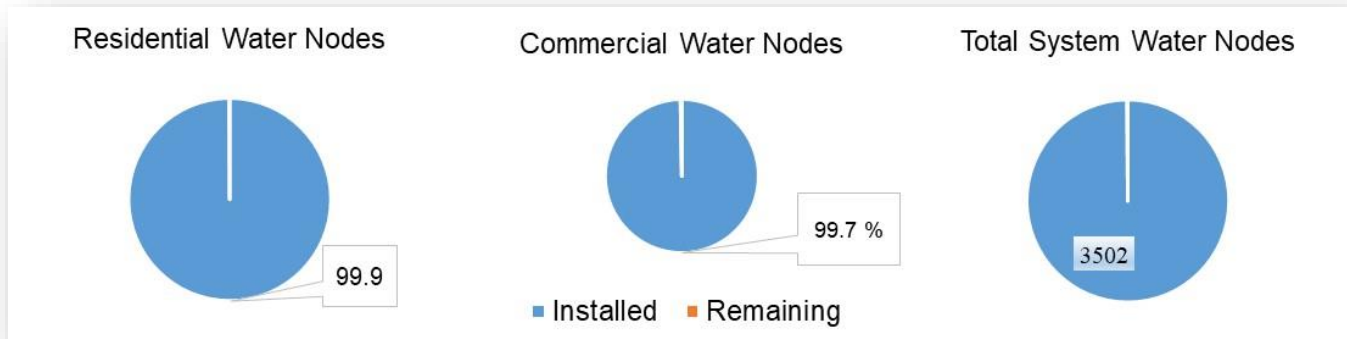
Sludge Landfill Operations

- 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.