

## Operations Update

Plant operations and treatment were good during the month of July. The disc filters were in operation continuously throughout the month and we ran chemical before the filters from July 22<sup>nd</sup> to 25<sup>th</sup> to exercise the equipment and help bring our Total Phosphorus number down. We should be hauling Biosolids starting on August 6<sup>th</sup>.

On July 15<sup>th</sup> we experienced a complete power outage that lasted from 8:46am to 9:28am which caused some flooding in the Actiflo building because the gates in headworks were not closed quick enough in the headworks to reroute the flow into the peak flow clarifier that lead to a wastewater overflow report to the DNR. The crew did a good job getting the plant back in operation once we did get power back and cleaned up the mess in Actiflo. We did lose a VFD for the Actiflo Alum Pump #1, a transformer for the hypochlorite bulk tank transducer and the control center for the disinfection faulted but LW Allen was able to get it reset.

## Maintenance Update

**Atad Transfer Sludge Flow Meter:** The flow meter that reads our Atad transfer up to post atads started to read erratically. A new mag meter and flow converter was ordered from Durable controls to fixed this issue at a cost of \$4,155. We ended up fixing the issue with a flow converter that we had in stock but are not confident it will last long term.

**DAF Thickened Sludge Pump #1:** The pump would only pump 25-30 gpm and could not keep up with the sludge we were producing. The rotor and stator had not been replaced since December 2018 so it was time. The new rotor and stator were ordered from Liberty Process Equipment at a cost of \$2,139 and installed. The pump now puts out 95-100 gpm and keeps up great.

**Driveway Repair:** We had the decant line repaired in late November 2024 after the asphalt season was over so it was filled with gravel to get us through the winter. We wanted it repaired before the biosolids hauling season and we just got it repaired on July 25<sup>th</sup> at a cost of \$7,025.

**Meter Station #3:** The Laser Flow Sensor at meter station was not getting a reliable doppler strength reading and had errors on the program. Mulcahy Shaw was onsite a few times troubleshooting the issue and eventually put one of their units in place of ours so we could send our unit in to get fixed. We had a spare unit but that also need to be sent in for repairs. The total cost to repair and calibrate our laser flow sensors was \$1,747.

**Meter Station #6:** The radio communication to the plant scada failed and the radio at the meter station did not seem to be functioning correctly. A new radio was ordered from LW Allen and programmed by them at a cost of \$822. It fixed the issue and we are communicating again.

**Water Heater:** The large water heater in the Solids building for eyewash stations and showers started to leak around the base and instead of waiting for it to fail completely a new water heater has been ordered at a cost of \$2,082 and was installed.

## **Updates on Projects**

**MCC Upgrade:** All the buildings are completed except Actiflo which needs 40-MCC-2 upgraded yet.

**Sodium Hypochlorite Ventilation Upgrade:** The installation of the equipment is completed just waiting for the install of the gas line and startup on the equipment.

**Waste Tank Rehab:** The concrete pads and bases for pipe supports have been poured and cured. The blowers will start being moved the first week in August.

Dustin Jerabek

Director of Operations & Maintenance