

Operations Update

Plant operations and treatment were outstanding during the month of December. The disc filters ran continuously throughout the month without chemicals and provided very good results.

The electrical upgrade on the MCC units will begin on January 13th and continue through the spring of 2025.

Maintenance Update

Atad Blower Controllers: The ASG-200 controllers on Atad Blower #1 and #2 started to show a low suction pressure that was causing an alarm on the controller but not shutting down the blower completely. The controllers were original to the blowers in 2008. Aerzen provided a price of \$2,056.69 for each ASG-200 controller and \$291.58 for a suction pressure transducer. We ordered a controller and transducer for each blower at a total cost of \$4,787.50.

Biostyr Blower #4: Biostyr Blower #4 was leaking oil out of the seals on the drive end of the blower and had metal flakes in the oil. The blower was taken out of service and replaced with a rebuilt unit that we had in stock. We sent this unit back to Aerzen for inspection and possible warranty rebuild or replacement since it was installed in July 2024. Aerzen has not inspected the unit yet but stated that it is in line for the week of January 20th.

DAF Polymer Skid System #2: This system has not been operational for a few years and has just served as parts for system #1 as we need them. We did receive a quote from Crane Engineering to refurbish the skid back in April 2023 for \$6,500 but didn't move ahead with it. To keep the DAF operating correctly, we need a reliable backup LMI pump and power frame for the mixer so I had UGSI provide a quote on just those parts which came to \$3,366.

Digester Sludge Transfer Pump #2: This pump was making some odd noises when running and not pumping as well as pump #1. It was found to have 3 bad bearings out of 4 and the trunnions were in rough shape as well. We got a quote for a rebuilt drive assembly with all new bearings for \$7,065 and since the pump had to be completely taken apart it was the right time to replace the trunnions and discs. The total cost of the rebuild came to \$11,252 and the pump is back in operation.

Updates from the Filter Project

Disc Filter #6 Drum Motor: The correct drum motor and drive were installed in December and the filter is back in service.

Dustin Jerabek
Director of Operations & Maintenance