Operations Update

Plant operations and treatment were really good for this time of year during the month of October. The disc filters were in operation continuously throughout the month without chemical. The annual cleaning and inspection of the Atad tank was completed this month with normal amounts of grit and sand removal. We also pumped out Post Atad #1 and cleaning it after 10 years of running continuously to see how the buildup was in the tank and it was more than what we thought it would be. It took KES contracting 4.5 days to vac out all the grit and sand.

Maintenance Update

Atad Jet Pump Valves: The suction and discharge valves were replaced with stainless steel knife gate valves while atad was empty for the annual cleaning. Crane Engineering completed the removal of the old valmatic valves and installation of the new knife gate valves at a cost of $146,200.

Biostyr Blower #8: The blower unit faulted and after inspecting the unit, the belts were found to be broke and when going to replace them a bad spot was found when turning the compressor. Aerzen was contacted to rebuild our unit but they stated that D36S compressors usually are not viable to rebuild compared to getting a new compressor. We ordered a new compressor to get the unit up and running again at a cost of $31,288.

Solids HVAC Units: The Aaon and Greenheck units from the disc filter project in the solids building lost communication with our desigo program. EC&D started to troubleshoot the issue and could not determine what unit was causing the issue so we had to get Master Building Solutions involved. Masters was able to find the issue and replace a communication driver chip then updated the firmware and software on all the Aaon units to restore the communication at a cost of $2,120.

Solids Sump Pump Control Panel: The sump pumps in the Solids Building basement had issues with the pumps not turning on when the floats were up and should have been calling for them to run and only working when the high-level sensor was tripped. The board inside the control panel didn't seem to be working and instead of trying to find parts for a 45-year-old control panel. It was decided to replace it with a new control panel that was suppose to be the direct replacement for our existing panel but that was not the case. The control panel was ordered from Hydro-Flo at a cost of $4,262 and Sargent Electric installed the new control panel for us at a cost of $3,600 bringing the total cost to $7,862.

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Director of Operations & Maintenance