

Operations Update

Plant operations and treatment were pretty good during the month of September considering our flows were elevated most of the month from rain events. On September 4th, we received 3.25-5.0" of rain in the service area and we did have a blending event that amounted to 2.56 million gallons that was diverted around full treatment. The disc filters were in operation continuously throughout the month without chemical except September 1st to 4th to exercise all the equipment and make sure it works properly. Badger State Waste started hauling biosolids again on September 14th and they completed hauling on September 28th. They hauled 1.90 million gallons this round for a total of 3.92 million gallons for the year.

Maintenance Update

Actiflo Turbine Pump #3: The rebuild of turbine pump #3 was completed this year with removal back on March 23rd. It was sent back to a Fairbanks Facility in Kansas to be inspected to determine the final rebuild cost. The initial quote was \$149,950 for everything but after the inspection, the cost went up to \$175,000 with additional repairs to the pump. When Sabel Mechanical was onsite to install the newly rebuilt pump, they could not get it to seat all the way into the wetwell so we had to have Speedy Clean come out and clean out the debris that was stopping the pump. Speedy Clean emergency service costed an additional \$1,465 and Sabel Mechanicals additional cost was \$4,115 making the total project cost \$180,580.

Disc Filter MCC HVAC: We had an issue with the unit getting stuck in heat mode when it should have been cooling and EC&D did some troubleshooting and could not fix the issue so we had to call in Master Building Solution. They got the unit working properly after replacing the room sensor and reconfiguring the controllers in the unit. This issue ended up costing \$2,658.

Meter Station #2: There was a communication alarm from Meter Station #2 to the plant scada at the beginning of September. The issue was a fault on the micrologix 1400 controller. A new controller was ordered from Ebay at a price of \$504 and Todd from TVG Automation did the install and programming for us which will cost about \$200-300.

Meter Station #3: There was a communication alarm from Meter Station #3 to the plant scada at the beginning of July. The issue was a fault on the micrologix 1400 controller after troubleshooting it and trying to reset it. We had LW Allen (SJE) replace this controller since they were onsite for MCC warranty work and program it at a cost of \$2,130.

Roof Maintenance: We have an annual roof inspection on our roofs completed by Security Luebke Roofing to fix issues before they cause bigger problems with the roofs. This year the annual maintenance to all of our roofs came in at a cost of \$9,729.

Solids Service Door: The service door on the solids building has been getting worse every year and it was time to replace it to have a properly working door for the crew. We had Tri-City Glass install the door at a cost of \$3,894 and Lappen security installed the lock at a cost of \$286.

Updates on Projects

Roof Replacement- Roof Section 10: The roof on disinfection rooms and solids compressor room roof was in need of replacement after the Hypochlorite room hvac project last year where there were patches made when equipment was changed or added to the roof and just the overall condition and age justified replacement. Security Luebke roofing replaced the roof for us to match the new solids building roof from 2024 at a cost of \$54,914.



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