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Southern Clinton County Municipal Utilities Authority

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Inside this issue:

Process—Making it Clean 2

Inspections—The Scoop on the Poop 2

Maintenance—Keeping Things Humming

After 9 long months, the new service truck has arrived. This new truck is leaner and more equipped to handle a variety of tasks, allowing staff to be more prepared to handle many different situations. The truck is more maneuverable, as it is shorter. It is equipped with 4 wheel drive, allowing crews greater access to easements and the more remote sites. It is also equipped with a body mounted crane and an all in one air compressor/welder/generator in one small package, thus allowing the truck to utilize the full bed for different tasks.

At station 501, one pump was removed and sent in for maintenance to replace a mechanical seal that had failed. These pumps are original to the station but have been rebuilt many times. The mechanical seals are in place to keep the pumped fluid separate from the rest of the ambient environment. Once the seal fails, it can cause additional damage to other rotating parts in the pump if not corrected. We caught this early and repairs should be isolated to the seal itself.

Staff removed a pump at station 402 to have it rebuilt. These pumps are original and were in need of a rebuild. Last year we rebuilt one

pump. This year, we scheduled a rebuild of the other pump as part of a rehab plan to extend the life of the station which included coating the dry well and installing a bypass to the force main.

The new 203 station in Bath is up and operational after a long and difficult construction. Both the old station 203 and station 216 have been removed from operation. This station was designed to give Bath a long service life and all components used in the construction are extremely H2S resistant. This station also yields additional flexibility as it's a triplex design utilizing 3 pumps and there is nearly 300,000 gallons in additional storage utilizing a 5 foot diameter pipe. This will give SCCMUA operators the ability to limit flows to critical downstream stations in increased flow situations.



Administration

The 2019 healthcare costs have been received with very little increase in premiums - less than 1 percent. This is great news and keeps us under the PA152 hard cap. This is good news for all as minimal increases in healthcare have rarely been seen in recent years. The product is the same as we have had for a few years and still remains effective.

Quotes have been solicited from local engineering firms for the roof project planned

for 2019. To get the best finished product, assistance in bidding and submittal reviews would be best handled by a qualified Engineering firm. This project will be significant and at a large expense due to the size of the plant. This project is identified in the LT CIP program and is needed as leaks have been noticed and roof shrinkage is prevalent and is beginning to show signs of separation. This project will help preserve the building integri-

ty and efficiency.

This month, Director Gurski attended the MWEA collections committee meeting to discuss this year's collections seminar and make plans for next years event.

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Process—Making it Clean

All parameters of the NPDES permit were met.

The back-wash pump replacement project has been completed and is now fully operational. This project was difficult due to the size of the pump and it is located in a lower level. Staff did an outstanding job safely and effectively installing this pump which we hope will be in place for many years to come.

As stated in a previous Directors report, one of the primary sludge pumps had a significant failure. Staff was able to get things broke down and take a closer look at what had failed and assess what parts were needed to make the appropriate repair. We did have spare parts on the shelf, allowing staff to make repairs in a timely fashion.

With the States initiative to eliminate all PFAS/PFOA related chemicals from getting in our waterways

and drinking supply, SCCMUA is working with the state to identify any potential source and conducting sampling to verify and hopefully eliminate any potential sources.

SCCMUA is a neighbor to many nearby residents of the communities which we take pride in while maintaining our 10-acre fenced property. Vegetative buffers play a big role in the visual and physical appearance. With this in mind and looking into the future, many of the trees on the grounds are reaching maturity. New trees have been planted this year which included 8 conifers of 2 species that were chosen for their disease resistance. Mature, old, thin trees will be removed creating a sustainable yet attractive buffer.

Over the last few months, our energy bills have indicated the

plants power factor rating has slowly decreased a couple percent. This can get very costly as penalties are assessed based on the supply and demand of the plant. The less efficient the plant, the higher the cost due to the utilities need to pay for increased sizing of their equipment to cover the inefficient use of power. SCCMUA staff worked to locate the inefficient sources which led to the new digester building that had a significantly reduced power factor. Specific loads were identified and inexpensive capacitors were installed on those loads to smooth the distortion and the result was an increase of nearly 3% for the entire plant power factor rating.

Inspections—The Scoop on the Poop

For 2018, new home connections to the collections system totaled 97 for all four municipalities.

The Miss Dig program keeps us moving on a daily basis. In 2018, 1,165 tickets were marked between the four municipalities.

In DeWitt Township:

The Quarry: Testing has been completed. Waiting for final record drawings.

Crowner Farms III: Installation of the sanitary sewer has been completed.

DeWitt Crossing South: Contractor is waiting for permits to begin work (MDEQ permit has been approved).

In Bath Township:

Chandler Lofts/NOCA: No change, developer has supplied design flow for the latest plans, Prein and Newhof have completed capacity modeling.

In the City of DeWitt:

Oaks IV: All testing and manhole inspections are complete. Draft record drawings were supplied and comments sent back to the engineer. Currently waiting for updated record drawings.

Wildflower Condos III: Contractor has completed punch list items. Still need to complete vacuum test on manholes and record drawings

In Watertown Township:

Lakeside: No change. Developer continues to work on record drawings for pipe installed. Contractor has completed installation of mainline and laterals in phase 11. Contractor has performed and passed air testing and mandrel testing. SCCMUA has reviewed the CCTV videos. Developer has supplied lead sheets for phase 11.

Cleaning and Televising: Plummer's Environmental has completed all cleaning in Water-

town Township and DeWitt Township.

