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This last month has been productive with many of the smaller components being delivered and on site for various projects in the system. With that said, the larger equipment has been slow to arrive with many vendors requiring 3 plus months lead times. We have been able to get LS 109 and 106 upgraded with a new pump and electrical components. LS 103 is next to be completed with new components.

The radio upgrade to the DeWitt Township stations is underway. This will be completed in conjunction with the long-term CIP in the Townships collection system. The new system will be digital, allowing for quicker communication times and separate components. This gives SCCMUA more flexibility and the ability to make many repairs and replacements in house.

LS 111 in DeWitt Twp. has had a new pump installed this year and a new hydraulic end on the other pump. This should keep the station reliable for many years to come. A similar repair was com-

pleted at LS 113 as the hydraulic end components had severe wear causing the pump to operate off of its curve, increasing operational costs.

SCCMUA was able to demo a combination sewer truck with a positive displacement vacuum system. This system is capable of more heavy lifting of debris. SCCMUA crews cleaned two of our toughest stations to the bottom. This was a good test and provided a knowledge base in comparison to the truck we have now and the abilities of today's equipment.

The painting and recoating that was approved earlier this year for Watertown and DeWitt Twp was completed last week. This consisted of sand blasting and epoxy coating of the lower third of the drywells and outside components at stations 103,106,109 and 402. This will help protect the station components.

Administration

Our users have the greatest impact to our system and the ability to avoid potential backups and long-term costs. We are working to engage the public to further educate them on the utility system and how their direct influence can make the largest difference in the quality of effluent produced, along with the direct impact to the collection system. We are offering an opportunity for

the public to visit our plant for tours in the evening when more people may have time in their schedule. This fall, SCCMUA will be conducting tours on October 3 and October 17. Based on the response, more dates may be added. Overall, the amount of time spent on the tours is well worth the potential benefits gained.

Healthcare information for 2019 will be starting to

trickle in slowly. We are hopeful for minimal increases. Healthcare changes are happening on an annual basis. We will work to identify our best options.

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Process—Making it Clean

All parameters of the NPDES permit were met.

The RBC work continues as this is a long duration project. Our staff is doing an outstanding job. This project is time consuming as machining setup and lathe time is the driver. It takes about 4-5 days to complete two stubs from start to finish. All the air diffusers have been installed and are ready to be operational.

During the process of treatment, biosolids are generated and stored on-site in holding tanks. Typically, SCCMUA needs to be hauled out twice a year in order to have capacity in the storage tanks. The total annual amount hauled can range from 1.5-2 million gallons depending on a variety of factors. Recent-

ly, SCCMUA and the contractor hauled 1.8 million gallons of biosolids from the facility. This also included emptying and cleaning of one complete digester. This is done on a 5-year rotation if no major plugging has occurred. The cleaning went very well this year allowing us to look at the internal structure of the digester. The internals of the digester showed no major signs of corrosion or issues with structural integrity. This will leave us with enough capacity until next spring for storage and digestion.

Each year, SCCMUA participates in the DMR-QA (Discharge Monitoring Report Quality Assurance) study which is a study of lab

consistency and accuracy. It is part of the NPDES permit and EPA regulated. SCCMUA passed all applicable parameters with no discrepancies. This was due to a great, qualified staff and their diligence to a quality product. This is very important to our operation. If a parameter failed after two attempts, the DEQ will require another lab to do comparison samples and continued samples until a passing analysis is made.

Inspections—The Scoop on the Poop

The Quarry: Testing has not started on the last phase.

Crowner Farms II: Completed manhole inspection and review of record drawings. Phase II has been accepted.

Crowner Farms III: Site work and dewatering has begun.

Chandler Lofts: Developer has supplied design flow for the latest plans, Prein and Newhof is completing capacity modeling. Once completed, the Part 41 permit will be sent off to the State for approval

Oaks IV: All testing and manhole inspections are complete. Waiting for record drawings.

Wildflower Condos III: Low air pressure and mandrel testing has been completed and passed. Contractor will begin final road construction soon. Once road construction is completed, vacuum testing of manholes will be completed and

mainline will be televised.

Lakeside: Developer is working on record drawings for pipe installed but never accepted. Contractor has completed installation of mainline and laterals in phase 11. Air testing can begin anytime.

Clean and Televising: Plummer's Environmental has begun cleaning in Wawtertown Township.

There where 571 Miss Dig requests with 45 tickets marked.

There where 16 inspections for the month.

LS 203 project in Bath is moving forward as soil conditions have improved. This has helped improve the contractors installation time.

The 102 interceptor project in DeWitt is moving swiftly with much of the main line pipe to

be installed by the end of the month.

