

Director's Report

Maintenance—Keeping things Humming

Staff was able to install more energy efficient lighting in the tertiary filter rooms. The old, sealed, florescent units have been failing and are obsolete. These lights had already been purchased utilizing the Consumer rebate program.

A new blower assembly has been ordered for the main plant HVAC unit. The unit had a catastrophic failure and destroyed the fan housing. There was nothing to save; the fan and the motor base were needed to get things back up and running.

SCCMUA has received the two 1/2 ton trucks that are replacing the 2005 and 2006 trucks. Emergency lighting and adequate tool storage has been installed. The old trucks were put on the State surplus auction site. The two trucks collectively sold for \$9,200 which will be put into the plant reserve account.

Normal preventive maintenance is being completed in all of the municipalities on a weekly basis. The largest portion of the maintenance staff time is being

spent in Bath. Crews have worked to install a new pump at LS 212. At LS 206, work has begun on a station rehab. This work is being completed by a mix of SCCMUA staff and contractors. The station had various failure points in the wetwell itself, and the top of the wetwell was in poor structural condition. The electrical service is being upgraded from 60 to 100 amps as the new pumps will require bigger sizing. A new control panel is being built and installed at the site as well. The internal wet well work is being completed by a contractor and will include new pump rails, piping, and bases. This work effectively rehabs the entire operation of this station at a very low cost and should provide ample service life.

Also in Bath, LS 204 will be getting a new pump along with a new control panel. It has corroded due to age and the absence of a vented tray to allow clean air to circulate. SCCMUA will be completing this work as soon as the LS 206 project is completed.

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Administration

The Administrative Secretary position is always difficult to fill and keep filled as it is part time and many folks use this as a stepping stone to advance into a full time position in similar settings. We have become more flexible with the hours in hopes of attracting an individual that needs the flexibility with home life or other work opportunities. With these changes, we had several applicants and we are excited that the position has been accepted by a good, strong candidate. They will be starting after the first of the year.

Public Relations

Staff has continued to work on different approaches to raise awareness of the impact to the sewer system and the plant with what is sent into the system. SCCMUA has put together a short curriculum that consists of two age groups -K-4 and 5-8 grades. Hopefully, this influences behaviors while minds are still being molded. Let's not forget that parents tend to be more willing to listen to their children's wishes to change their behaviors when it comes to environmental impact. Our first run using the presentation was an overwhelming success. We are going to extend our outreach to other schools in hopes that more schools will take advantage of the opportunity.

We are still working on the best solution to create a 3D model of an operating utility system. We have looked at a few commercially available models as well as building our own. We will be making continued efforts to get a plan in place.

Process—Making it Clean

One Sandhill influent pump has been reworked to include a double cartridge seal to better handle small vibrations. One of the possible causes of this vibration is cavitation caused by air being introduced into the wetwell from the cascading action into the wet well. We are hopeful the seal, although more expensive, will provide a longer life span and less down time.

The last of the RBC rails are being installed in the C room. This project has gone very smooth. This investment will be long term and provide adequate security for many years to come.

The C2 train is back in process after being completely stripped. The process of beginning to add nutrients has begun and new growth is near a sufficient mass.

The new influent plant flow meter arrived last week. A plan is being made for the installation. This will need to be

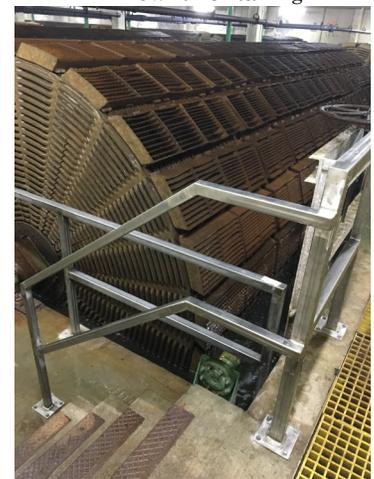
properly planned as the install is time sensitive due to flow restraints.

The tertiary filters showed an operational issue over a couple day span. Upon further inspection, it was found that the valves controlling the surface wash mechanisms have failed, thus causing the surface wash system not to work properly. This process is crucial to breaking up the solids that bind off or plug the upper portions of the filter media. Replacement valves have been ordered and will be replaced as soon as we get the new valves in.

The SCADA system is complete and operational with only the cosmetic work to be completed. This will include a counter top for the computer station and monitors to sit on and the cleaning up of the main plant panel and removing the old telemetry.



Old RBC Railing



New RBC Railing

Inspections—The Scoop on the Poop

In DeWitt Twp, Crowner Farms phase III is 75% complete for the sanitary sewer installation. At this time, work has stopped for the year and is planned to continue in the spring of 2018.

The Quarry development is in a similar standstill due to the weather. Testing of the system that has been completed will start the second or third week of December. This will need to be completed before any occupancy permits are granted.

Dukes Root Control treated ten lines for root intrusions into the City of DeWitt sewer mains. This process is cost effective and keeps roots from inhibiting

flows. This process is not harmful to the plant treatment capabilities.

The Oaks (City of DeWitt) developer is planning to start phase IV with a pre-con being held December 14th.

Bath is nearly half way done with the lining project which has been progressing with minimal disruption.

Review of this years TV/Clean video is under way. This is a very time consuming process as there is 129,625 feet worth of video to watch.

At Lakeside Preserve in Watertown Twp, the process of repairing defects found during televising of the system that was installed but never used has continued. TL Contracting is repairing the tagged issues and testing is anticipated to be completed by the end of the year as long as weather permits.

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"The Clean Water People"

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