

Director's Report

Southern Clinton
County Municipal
Utilities
Authority

Process—Making it Clean

Volume 10 Issue 2
1

February 21, 2017

The NPDES permit met all parameters without any violations. We will start compiling information for the upcoming permit application due in 2018.

The plant is operating very well. With the unusual weather this winter season, the RBC's have not seen the drastic weight changes as in years past. This only reconfirms the relationship between water temp and biomass metabolism. We will continue to monitor this as the spring nears with hopes of minimal influence.

This year we changed a few things with the operation of our clarifiers. In the past, we would typically operate with one tank in service and one tank dry. We have started to leave the water flowing through the clarifiers to avoid excess corrosion, in hopes of prolonging the service life.

The work on the RBC's continues slowly as we are now ready for the lathe that was approved and ordered in January. We are still addressing the air system that delivers the air to

drive the RBC's. This will be the final chapter in the first RBC train to be rehabbed.

The Bio solids removal has hit a snag this year with the recent announcement of Synagro leaving the state. We have been in contact with them and they have reassured us that they will fulfill their contractual obligations. This would be the best case as the competition is very small in Michigan and prices will only continue to climb. In the future, it may be more cost effective to handle the disposal of bio solids in house. We will continue to research options. **Talk about where we stand with the sludge in the tanks and when we might have to go to the front tank...**

Special points of interest:

Inside this issue:

<i>Maintenance</i>	2
<i>Administration</i>	2
<i>Inspections</i>	2

Maintenance—Keeping things Humming

Maintenance staff has been busy with the Vactor repairs approved in January. This takes a little more time as staff has to be able to put the unit back together relatively quickly in case of an emergency: respond to a sewer backup or station failure.

Staff has also been busy getting a few new pumps installed in the Bath service area. These new pumps will help insure that at least one pump in that service area is operating as it should. The pumps being replaced were 15 + years old, with multiple repairs in their past. After a certain amount of rebuilds it become cost prohibitive to repair the pump and they must be replaced. This

is more of an issue with submersible pumps, as all parts of the pump operate submerged in sewage.

Maintenance staff has also been doing some plant maintenance as we are still in a transitional stage of new employees. We anticipate this to continue in the near future as we continue to adapt.

Staff has also been preparing for a few larger jobs in the Townships coming in 2017 and 2018. These projects will be extremely beneficial to the service areas in both providing reliable sewer service and long term maintenance cost.

Previously, SCCMUA had a preventive maintenance contract with Cummins Bridgeway. This contract covered basic engine maintenance. Last year we let that contract go and had our staff perform these maintenance tasks. Emergency backup power is very expensive to maintain. In past years SCCMUA spent on average \$29,000.00 in maintenance alone. With our staff doing this preventative work, we have cut that number in half without impacting other duties. We still have to have certain repairs and maintenance items performed by a qualified service provider, similar to your vehicle.

Administration

Inspections—The Scoop on the Poop

Dewitt Twp. Shady Brook project has been trudging forward slowly with the mild weather conditions offering an early start in the construction season. There have been a few minor issues along the way, but all have been easily resolved with a little help from SCCMUA staff. The projects have been steady and it

appears construction on residential housing will steadily increase in the near future.

There are a few road projects slated for 2017/18 we are working to get ahead off. This ensures proper advisement to needed infrastructure

repairs are addressed before or during project bidding.

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