



September 21, 2021

Southern Clinton County Municipal Utilities Authority

Volume 14 Issue 9

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"The Clean Water People"

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Maintenance—Keeping Things Humming

SCCMUA staff has been completing projects before the weather deteriorates. Staff replaced a failed discharge pipe at station 207 in Bath Township. A temporary band was installed last month until parts could be found. Staff bypassed the station and installed a new PVC discharge pipe inside the wet well. The project went well with no issues and the station was back online quickly.

In Bath Twp at station 221 on Chandler Rd, decreased performance has been noticed. The staff made changes to the discharge of the force main and replaced worn impellers which has solved the problem.

Staff designed and built odor canisters that were installed at station 504 in DeWitt Township. This came from the concerns of some neighbors noticing unpleasant odors. This station has had some history with odors; however, since the installation of a mixer with aeration, staff have not detected those odors. The newly installed odor canister will help capture any odors in the system that are released as a vapor. These can then be trapped in

the carbon media. The SCCMUA branded name is "SCCMUA Odor Buster 3000."

The air relief program has been completed. Finding and inspecting the components has helped some of the newer staff familiarize themselves with the locations and the function of the air reliefs in the system. The goal of the program is to prevent failures before they result in SSO's.

As September quickly passes, the staff is preparing for the cold months ahead; this includes servicing all 36 generators in the system. This includes oil changes, coolant checks, battery tests, and ensuring the block heaters are operational to keep them warm for quick starting in the cold months. This takes a significant effort. Typically, only a handful can be serviced in a day.

A new soft start was installed at station 209 in Bath off Saginaw Hwy. Although the station was rebuilt five years ago, most of the controls were repurposed or reused from the previous station. The old soft start failed in a power transfer from a power outage in this area.

Administration

Healthcare renewals should be coming around the first of October; our renewal representative indicates they have seen an 8-10% increase in small groups. Staff will work through the numbers once we get them and meet with the group to discuss our options.

Process Control Supervisor Nichols and Director Gurski toured a few facilities talking with operators about screening and grit equipment. It was a great insight and an excellent opportunity to see other operations. Staff will be making recommendations to the consultants on what equipment they will want to see incorporated into the design.

With the recent retirement announcement of a long-standing staff member (Ken Kline), SCCMUA has an opening posted for an entry-level operator.



Process—Making it Clean

NPDES Permit: All permit requirements were met. Total precipitation for the month was 1.95".

The plant has been operating nicely. We have been continuously dewatering our digested sludge to create more space in our sludge storage tanks. Dewatering of our sludge is a crucial part of our solids handling process; without dewatering our sludge, we would not have enough storage space to hold six months worth of biosolids. SCCMUA dewateres its sludge through gravity. Once sludge is pumped to the storage tanks from the digesters, it settles out in the storage tanks separating itself into a clear watery substance called supernatant. The supernatant is then drawn off the top of the sludge, pumped back to our equalization basins, and drained into the Sandhill

wet well. This process provides us the space needed in the tanks to accommodate having our sludge (biosolids) hauled twice a year. In addition to dewatering, this process also compacts the biosolids and increases the solids concentration, in turn lowering the cost of solids hauling.

The three centrifugal blowers SCCMUA utilizes to provide air to the RBC process will have new bearing kits installed. A technician from Gardner Denver is going to be installing these kits and realigning the motors after installation. Two of the three blowers run nonstop throughout the week, alternating one to be off weekly throughout the year. It has been since late 2003 for two of the blowers and 2013 for

the other, that this kind of service was last performed. The blowers are key to nutrient removal in the RBC process. It will be highly beneficial to have these serviced for future operation.

The chlorine contact chamber was weeded. Natural weeds grow in areas most open to sunlight where the vegetation thrives on the nutrients in the water supply. Annually, staff removes this growth, usually lasting the summer.

The upstairs Men's and Women's bathrooms are receiving a facelift. Staff has painted the bathrooms and are in the process of painting the stall dividers. These bathrooms were still sporting the 1980's orange partitions and sinks, so the goal is to bring them up to date and make them look a little more modern.

Inspections—The Scoop on the Poop

Miss Dig Totals:

Miss Dig Requests: 526

Miss Digs Marked: 106

Inspection Services: 8

Plummer's Environmental has started the yearly cleaning and televising. They expect to be finished in October. Plummer's Environmental has also started installing spot liners. They expect to have all this year's spot liners in by the end of October.

DeWitt Township

Thomas Farms: Located between Clark Rd & Solon Rd, will contain a mix of condominium and subdivision development to be completed over multiple phases. The beginning is in sight. The developer has been very cooperative with the requested changes to the sanitary layout. The Part 41 permit application has been submitted. A pre-construction meeting will be held in early Septem-

ber. Groundwork may begin before the end of September.

Quarry Village: Work continues in Quarry Village. Asphalt still has not been placed in the southern half of the project. Once the asphalt is down, TL Contracting will complete the last few manhole vacuum tests. All tests so far have passed.

Bath Township

Webster Rd Extension: Installation and testing has been completed and passed. KEBS is working on record drawings.

City Of DeWitt

Wildflower: Installation is completed and testing passed. Waiting for final record drawings.