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Southern Clinton County Municipal Utilities Authority

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Maintenance—Keeping Things Humming

SCCMUA planned rehab maintenance schedule has continued with work on station 103 in DeWitt Twp. The station received a new pump and valves. This station has been in service since 1972 and has worked well but the pumps have become obsolete and very difficult to find parts. A replacement Gorman Rupp pump was installed to maintain serviceability at this station for the future.

Other work in DeWitt Twp consisted of an in-house rebuild of a pump at station 116 which has since been reinstalled.

In Bath Twp, new valves were installed at station 215 and new antennas were installed at station 215 and 211 to help transmit data more effectively.

Also in Bath Twp, a pump at station 202, which is a highly critical station, has failed. SCCMUA did have a backup pump to put in its place. These particular pumps have had many improvements over the years. Currently, we are working with a local machinist to repair the pump as these pumps are expensive and come with a long lead time. Due to this failure, SCCMUA and Bath are working to evaluate the best plan moving forward with pumps at station 201 and 202 which transmit all the sewage collected in Bath to SCCMUA.

In the City of DeWitt, station 301 has been evaluated and plans are being made for up-

coming preventive repairs and pump upgrades which are more efficient and offer a significant energy savings.

Easement maintenance has started. We typically complete these annually in the summer to prevent vegetation from taking over. Also, this allows for investigation of assets that are not seen as frequently as the assets in the right of ways. Recently, we found leaking manholes which we are repairing to stop infiltration. Many of these are in the road portion of the easements.



Administration

COVID grant opportunities have been coming quickly and some with rather short submission windows. Currently, SCCMUA has submitted for a FEMA PPE grant and a State of Michigan payroll reimbursement grant.

SCCMUA continues to work with Tri County with the hope of being able to submit for grants made available via the EDA public works section. Currently, Tri County has a summary of work SCCMUA is considering at the plant in

the future to keep economic growth in the region. This has been a slow process with Covid but progress is being made and hopefully, we will get in front of the regional contact soon.

With summer winding down, our summer help will be going back to college in a couple of weeks. They have been a great help to staff and accomplished many projects.

While this picture doesn't do the "hole" justice, this is on the 102 interceptor north of Solon Rd.

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Process—Making it Clean

All parameters of the NPDES permit were met.

Precipitation for July totaled 2.65".

Staff has been busy with ongoing maintenance around the plant as well as the pop-up issues that seem to be inevitable. We recently replaced our primary sample pump and VFD. A power blip took out the VFD which in turn took out the sample pump.

We have sent two rotating assemblies from our effluent pumps in to be rebuilt. One is for one of the three pumps that we have on-line and the other

will be set on a shelf to be used as a backup. Our effluent pumps play a very important role at the plant as they supply water to a number of things around the plant. They supply water to be mixed with our chlorine gas for disinfection, water to our spray arms in our tertiary filters during backwash cycles, water to some pump seals, hydrants, spickets, and our water header system in the RBC'S.

We are still rehabbing the B-1 train in the RBC'S. Staff has installed new air header piping in certain areas of the

tank, installed new air valves for each air header line, and all air diffusers and bracketry for all air header lines in the tank. Next up will be checking the RBC shaft ends for any damage and possible machining work to be done. This is probably the biggest and most time-consuming project that we have each year. But with these RBC'S being the heartbeat of this plant, it's worth taking the time and making sure we do all that we can to keep them in the best shape possible.

Biotech Environmental will be here within the next couple of weeks for sludge hauling. They were only able to empty one tank last spring when they were here due to rain.

Inspections—The Scoop on the Poop

Miss Dig: (2020/2019)

Miss Dig Requests: 476/501

Miss Digs Marked: 83/81

Inspection Services: 17/8

Projects:

DeWitt Township

Redwood Living: Clearing operations have begun onsite. It is an apartment complex that will connect to DeWitt Twp system, but remain private.

Quarry Village: Pipe installation has begun. Quarry Village is a multifamily development that will connect to the DeWitt Township system, but remain private.

102 Interceptor: The work to install the new pipe for the southern portions of DeWitt Twp has continued with work completed south of Clark Rd. nearing Solon Rd. The project should have substantial completion by month end.

Bath Township

Meadowbrook West II: No change. Testing has been completed and passed. Waiting on record drawings and easements.

Webster Rd Extension: Pipe has been installed. Testing has been completed and passed. Video has been supplied and is under review. KEBS is working on record drawings.

Whitehills Woods North: Testing is completed and passed, preliminary record drawings were submitted and comments returned to the engineer.

City Of DeWitt

Oaks IV: No change; testing has been completed and passed, still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Wildflower Condos III: No change; testing has been

completed and passed, still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Wildflower Subdivision III: No change; testing has been completed and passed, still waiting for record drawings. C2AE has sent a request to the engineer for record drawings.

Watertown Township

Lakeside Phase 11: No change. Waiting for record drawings to be submitted.

Deer Creek III: Testing has been completed and passed. Waiting for record drawings.

Airport Rd Extension: project installation has been completed, restoration is ongoing. All the customers are now on the public system.