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There is consistent work in our maintenance department, both planned and unplanned. One of those unplanned issues happened in Bath at LS 204 where the staff noticed a trend difference between the two pumps after normal work hours. A crew was called in to investigate. Upon arrival, water was observed splashing from under the wetwell lid, which is never a good sign. After opening the lid and stopping the pumps, a crack in the discharge pipe in the wetwell could be seen. Once the problem was identified, a plan was made to repair and replace a section of the discharge pipe. It was plastic and easily replaced. Since the crack was at a joint, the true cause of the failure is hard to identify, but staff will be monitoring it. In addition to this work, the upgraded panel was finished along with the general appearance of the station.

With the dry weather, painting has been getting completed at various stations including station 213 and 218. This helps keep corrosion under control and with

the close proximity of these stations to residents, it is aesthetically pleasing as well.

A new pump was installed at LS 111 in DeWitt Twp. as the previous pump had failed beyond repair. These pumps are small but still costly. The typical service life is ten years with proper maintenance and limited plugs. Each time a pump plugs, there is an increase in effort from the pump increasing possible failure rates and decreasing life.

A new sealable hatch was installed at LS 501 to help control some of the odors at the station. This helps direct the odors to carbon filters where odors can be absorbed and lessen the impact to the surrounding area.

Administration

Staff participated in First Aid certification training in July. This is a good thing for our staff as they operate in remote areas and in different situations where the training will allow them the confidence to assist each other if needed until first responders can arrive.

Soon it will be time to start looking at health care for the upcoming budget year. We are hopeful we can keep costs low in a similar

arrangement as we are currently operating under.

We are continuing with our Facebook posts hoping to spread the message on various issues that impact the sanitary sewer system. Our newest community event campaign will promote the proper disposal of grease. The issue of grease in the clean water district is ongoing and every little bit of properly disposed grease versus washing it down the drain is

helpful. "Scrape the Plate" is a movement that helps promote the proper disposal of grease by offering paper grease collection cups and plastic scrapers to spread the message. Grease is one of the most consistent causes of sanitary backups in the nation. Please help us spread the message.

Southern Clinton County
Municipal Utilities
Authority
"The Clean Water People"

3671 W. Herbison Rd.
DeWitt, MI 48820
517-669-8311
www.sccmua.com
www.facebook.com/
sccmua

Process—Making it Clean

All parameters of the NPDES permit were met.

Repairs on items inside the plant are constant and made on a daily basis. One thing that needs to be highlighted is the innovative solutions that staff create to make repairs as efficiently as possible both saving time and money. With the effluent system circulating treated water through the plant on a 24/7 basis, repairs will be inevitable. We have found that in many of these cases, we can have local machine and motor shops repair or manufacturer parts much cheaper and with a significant reduction in turn-around time versus contacting the equipment supplier. This solution was used with many new parts in the effluent system. This has been the practice

as of late and we hope to be able to continue with these repairs in a cost-effective measure.

The new digester system is now coming of an age where pumps and motors need more extensive service. The digester system has limited redundancy ability in the recirculation system. This causes a shorter time frame to get repairs completed. With one of the recirculation pumps needing extensive repairs, a short-term solution was necessary due to the lead time expected. Staff discussed the options which directed us to the old digester system where similar pumps were still in place but left sitting for the last 12 years. A

pump was pulled from the old digester system and its operating condition was verified. Some minor fabrication was done by our talented crew and is now in place and operating until the new components arrive.

RBC work has continued with the stripping process complete and air header and diffuser work underway. The bearing work is also underway with anticipated completion within the next 3 months.

IPP inspections have been ongoing utilizing our new tablet system. There are still a few bugs we are working through but essentially we are eliminating a step in the process. We have skipped the paper process and are inputting the data directly into the software program.

Inspections—The Scoop on the Poop

In July, there were 527 Miss Dig tickets for the service area with 96 that needed to be marked. There were thirteen inspections on new and repaired household services.

The Quarry (DeWitt Twp): No change from last month. Still waiting for testing.

Crowner Farms II (DeWitt Twp): All tests have been completed and passed. Waiting for record drawings to be submitted for review.

Crowner Farms III (DeWitt Twp): This is approved and ready to start. Contractor will begin dewatering in August.

Chandler Lofts (Bath Twp): Construction of buildings has begun. Waiting for permits.

Oaks IV (City of DeWitt): All

tests have been completed and passed. Waiting for record drawings to be submitted for review.

Lakeside Preserve (Watertown Twp): Paving has been completed on Presidents Way and Stillbrook up to the end of phases 9 & 10. Waiting for record drawings for review. Pre-construction meeting was held August 1 for phase 11. Construction should begin the end of August/beginning of September.

Bath Twp collection system repairs: Continuing to review SAW data and videos to develop a comprehensive repair plan.

Cleaning and Televising: Plummer's Environmen-

tal will be starting in September.



Pipe for LS 203

The 203 station and equalization project is progressing with a change in the installation plan. The contractor has opted to pre-excavate the poor soils and dewater the sand that has been installed in the excavated trench. Once this is completed, they will then circle back and install the new 60" pipe.

The 102 interceptor project is progressing slowly with dewatering installed and the easement clearing completed. Excavation is beginning and will continue from the 501 station and head south to I-69.