



City of Pataskala Utility Department Chris Sharrock, Utility Director

➤ Utility Department Updates

• Water Reclamation Facility

- Daily Operations
 - The operators maintain exceptional daily operations of the WRF, 24 hours a day, 7 days a week. They consistently do an outstanding job of turning the City's wastewater into clean, safe water that is discharged into the South Fork of the Licking River
- Fine Screen
 - FECCORP was brought in to clean out the channel before and after the fine screen that filters the wastewater coming into the WRF on Oct 9
- WRF Upgrade
 - Design currently being worked on by Hull
 - A design meeting took place on April 29 between Hull, Prime, Fluidyne and the Department
 - Questions about the need for blowers to use on the Jet Aerations system were answered
 - Oxidation Ditch walls to be increased in size, adding more capacity to the Oxidation Ditch
 - Surveying took place on May 13
 - Design completion and PTI submittal to the EPA was completed on July 12
 - The construction loan application paperwork has begun with an estimate being used for the cost until the bidding process occurs to keep the process moving forward
 - Meeting with Hull, Prime and City Staff on July 29 to discuss changes/ additions needed in the design
 - These included a safety shower in the phosphorous reduction chemical feed room, concrete sidewalk around Oxidation Ditch to allow for pump transfer to a level

surface for easy loading onto a truck, and some adjustments for operational preferences

- The upgrade was re-nominated to the OEPA for next year's financial assistance program should the review process by the OEPA take longer than anticipated, possibly causing the loan award date to be pushed into 2020
 - The OEPA financial manager assigned to the loan is retiring and will be handing the review over to a new manager
 - She has assured us that they will still move forward with the intent to have the loan awarded in 2019
 - The rep reviewing our loan application for the environmental planning review has also left the agency. We now have two new people reviewing our application. I do not believe it will be possible to meet the December 2019 award date. We will probably be more likely to meet a February 2020 award date
- Biosolids
 - We are fast approaching the fall application of product to the fields
 - Agrisludge has been in contact with the farmer and they will be ready to haul product to the field, apply the product to the field and track all of the required OEPA data for the application as soon as the crop on the field is removed
- Continuous Monitoring
 - Ryan Brown is currently getting estimates to add continuous monitoring equipment for a couple of parameters that we do not currently monitor at the WRF
 - Continuously monitoring these parameters (even though they are not required by our permit) would qualify us for a staffing reduction of up to 15 hours a week (currently we are required to staff the WRF for 40 hours a week)
- **Water Treatment Plants**
 - Daily Operations
 - The operators maintain exceptional daily operations of both Water Treatment Plants, 24 hours a day, 7 days a week. They consistently

do an outstanding job of providing the City's customers clean, safe water that meets or exceeds the requirements from the OEPA.

- Painting
 - Operators are continuing the process of painting the pipes inside of WTP1 as part of the routine maintenance
- Lead and Copper Program
 - The City has consistent lead measurements of zero and copper measurements well below the established action level. Based on this information, we have requested that our lead and copper monitoring program be changed from annual to triennial
 - Still waiting on a response from the OEPA on our request
- WTP2 wastewater
 - We are currently looking into the cost involved to take the wastewater generated during the water treatment process at WTP2 to the District
 - This would allow us to eliminate an entire permit and all the sampling, monitoring and man-hours associated with it, should the costs of construction and sewer service from the District warrant it
- **Distribution and Collection System**
 - Daily Operations
 - The systems team maintains exceptional daily operations of the entire distribution and collections system, 24 hours a day, 7 days a week. They consistently do an outstanding job of providing customer service to the residents, maintaining the city's infrastructure and responding to emergencies of various types.
 - Lift Station Fencing
 - We are scheduling installation of the lift station fencing with Trudeau's Fencing Company, as was approved by Resolution 2019-066
 - This work is anticipated to be completed by the end of this month
 - SL-RAT
 - The systems team is continuing to use the SL-RAT system to inspect the sanitary sewer mains for blockages
 - This system uses sound waves sent from one manhole and received at the downstream manhole to determine how clear the line is between them

- This will allow the department to quickly inspect sewer lines and decide which lines need thoroughly cleaned and which lines do not
- Valve Exercising
 - The systems team has begun the annual valve exercising program
 - This process involves an employee traveling to each and every main valve in the Distribution system, locating said valve, closing the valve completely and finally re-opening the valve completely
 - Valve exercising keeps our valves in good operating condition and prevents them from seizing up. It also minimizes the chances that the valves will fail when needed in an emergency situation
 - The goal of the Utility Department is to exercise half of the distribution system every year
- Mill St and Main St water lines
 - Earlier this year, a leak was discovered in the Mill St water main underneath the Mill and Main intersection. The Mill St water main was cut and capped to stop the leak
 - This created a “dead end” on the Mill St water main. There are two customers on this dead end where the water main cannot be flushed, so the waterline on Main and on Mill must be connected
 - The work was completed with no issues. The waterline was directionally flushed and the chlorine was checked before returning the water mains to service in accordance with OEPA requirements. A bacteria sample was also taken to ensure that the water is safe and ready for consumption
- Leaks
 - 214 Tyler Ave
 - Circular crack in the water main. Located in the back yard of the property. Repair band installed on 10-8-19. This repair was called in as an emergency and was repaired 4 hours after we were notified
 - 732 Ridgeview Drive
 - Copper service line failed, replaced with plastic on 10-8-19

- Beechwood Trails Water Towers
 - A representative from SUEZ took paint samples to be analyzed by their lab as well as performed an “adhesion test”
 - These tests are being done free of charge in order to better understand the condition of the exterior coatings on the water towers so that an efficient prioritization of coating replacement can be developed
- **Billing Team**
 - Daily Operations
 - The billing team does an exceptional job of processing the payments for water and sewer service, scheduling the service work that needs done as well as providing excellent customer service 8 hours a day, 5 days a week.
 - New Location
 - With the addition of some signage at Old Town Hall, some of the confusion about our new location is starting to fade
 - We still get a good deal of bills being paid in the old drop box located at 621 Broad St. It will take some time for everyone to adapt to the change
- **Training**
 - Class 1 Water Supply License
 - Trent Howell, John Burr and Connor Johnson have begun the OTCO Class 1 Water Course. Classes are every Monday for 14 weeks starting on September 9
 - Class 3 Water Supply License
 - Ryan Brown is currently taking the American Water College Class 3 Water Supply correspondence course
 - Class 2 Wastewater Treatment License
 - I have begun the American Water College Class 2 Wastewater Treatment correspondence course
 - Pump and Electrical Training
 - The operators and the systems teams will be attending training related to water/wastewater pump troubleshooting and water/wastewater pump electrical troubleshooting December 10-12
- **Director**
 - Water and Sewer Contract

- There have been discussions of possible service areas to trade between the City and the District that would allow the City to serve Fanin & Deagle for both water and sanitary services while allowing the District to serve several locations currently in the City's service area
 - A resolution was passed at the Special Council Meeting on Friday September 6 approving a contract between the City and the District
 - The District has reviewed this contract and has suggested some changes be made. Talks regarding those changes are still ongoing.
 - On October 8, The District passed a version of the contract that has different language in it when compared to the version passed by Council
- Construction Projects
 - Scenic View Estates
 - The City has reviewed multiple approaches to providing sanitary service to this property. The developer wishes to install a private force main system. The Department is weary of the potential for the OEPA to require the City to assume responsibility for this system in the future, should the HOA/ private parties fail to maintain it.
 - The Utility Committee created a list of concerns that they would like to see addressed in order for the pressurized sewer system to be acceptable
 - Scott Fulton and I have drafted the necessary language to ensure that these concerns are addressed. This language was reviewed by Brian Zets and was presented to the Utility Committee on Oct 21
 - Hazlewood-Barrington Ridge waterline loop
 - The waterline loop connecting Hazlewood and Barrington Ridge is underway
 - This loop will allow us to feed Barrington Ridge from Hazlewood, lowering the PSI for Barrington Ridge
 - Barrington Ridge is the only development fed directly from the Booster Station along Broad Street that does not have a community Pressure Reducing Valve and as such has very high water pressure.
- Construction Specifications and Drawings

- A review was done to update our Construction Specs and Drawings so that they will reflect our current standards
 - Hull has updated and the new specifications and drawings were presented to the Utility Committee at the Utility Committee meeting on Oct 21
- I & I water
 - The EPA has included a requirement to develop and implement a plan to address our I & I water getting into the collections system
 - I have advertised the RFQ for the design of a plan and the eventual implementation of that plan at a pace decided by available budget beginning on June 2 and June 9 in the Advocate and posted the request on the City Website
 - 6 Submittals were received by the deadline of June 21 at 4pm. A panel of staff members will review the submittals and will select a firm to begin price negotiations with in the following weeks
 - Strand Associates Inc. was selected
 - The City and Strand were unable to come to an agreement on a price. In accordance with the ORC, we have contacted our second highest ranked firm, GPD Group, to begin the price negotiating process with them.
 - GPD Group is currently working on creating a scope and price for services to be reviewed by the department
 - The OEPA has issued the final NPDES permit for the WRF. The language regarding the I&I program has accepted nearly every request that was made on behalf of the city.
 - GPD group anticipates having a scope and a price developed by the end of this month

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