



City of Pataskala Utility Department Chris Sharrock, Utility Director

➤ Utility Department Updates

• Biosolids program

- Ryan Brown and Rich Obar have been fine tuning the press process
 - The process is a living thing and changes from season to season and is very dependent upon the material coming into the WRF
 - The current type of polymer and settings being used are producing a product that is higher in quality than any the department has ever produced

• 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
- Oxidation Ditch
 - The coupler and bearing for the drive shaft of the Oxidation Ditch at the WRF failed and are scheduled to be replaced on July 31
- WRF Upgrade
 - Design currently being worked on by Hull
 - A design meeting took place on 4-29 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 7-29 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
 - UV system intensity indicator
 - The sensor and circuit board was replaced on June 24 by staff
 - Sensor still not giving an accurate reading. HPT is scheduled to diagnose the problem on July 30
 - Annual Generator Maintenance
 - Buckeye Power Sales completed the annual inspection and maintenance on the plant generator on July 15

- **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
 - All Samples and the necessary reporting for those samples have been completed
 - The Department will be filling out a request with the OEPA to change our Lead and Copper sampling schedule from annual to tri-annual due to our consistently low levels of copper and non-detectable levels of lead
 - Annual Generator Maintenance
 - Buckeye Power Sales completed the annual inspection and maintenance on the plant generators on July 23

- **Distribution and Collection System**

- Duke's Root Control

- The root control process used by the city to treat the sewer mains in trouble areas throughout old town is being scheduled
 - This process involves a root killing foam being added to the sewer mains. It comes with a 3 year no backage due to root infiltration guarantee
 - We have been using this process since 2013 with great success
 - On July 16, 2,470 linear feet of sewer main in the Oak Meadow Drive area were treated at a cost of \$4,174.30

- Lift Station Fencing

- The Lift Station Fencing project has a budget of \$30,000 for 2019
- Trent Howell received several quotes for fencing at the River Forest and Sugar Mill lift stations
 - Able Fencing- \$13,114
 - Trudeau Fencing- \$11,466.21
 - Arrow Fencing- \$9,660
- Arrow Fencing will be set up in our finance system and be awarded the project

- SL-RAT

- The systems team has begun using 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

- Power Wash SE Tower

- We have received three quotes for washing the tower
 - Pittsburg Tank- \$29,400
 - MPW- \$21,250
 - National Wash Authority- \$7,845
- Due to National Wash Authority coming in at such a low bid, we are currently having them look at drone photos (provided by the Police Department) to estimate a cost to include touch up paint

work while they are on site and any other tank cleaning that can be done for the amount budgeted for this project in the 2019 budget

- They have offered a quote of \$26,439 to wash SE tower, do necessary touch up paint to SE tower, wash the iron filter at WTP2 and wash both Clearwells at WTP2
- The SE Tower was washed on July 30, touch up paint done on July 31
- The tanks at WTP2 were washed on Aug 1
- Sergeant Ramsey will take drone photos in the upcoming weeks to provide a before and after set of pictures for the SE Tower that will be posted to the City's Facebook page to show the results to the public
- Annual Generator Maintenance
 - Buckeye Power Sales completed the annual inspection and maintenance of the generators at the Booster Station, Creek Road Lift Station, Blacks Road Lift Station, Eastside Lift Station and the portable Lift Station generator on July 15-16
- Leaks
 - The copper service line for 279 Isaac Tharp developed a leak and was replaced with a poly service line on July 25
- **Billing Team**
 - Continued efforts in regards to providing excellent customer service
 - The billing team is preparing for the move to 430 S Main St
 - This will take place the week of August 19, as this is traditionally the slowest week of the month for customer traffic to the office
 - Service at the billing window may be limited during this transition period
- **Training**
 - Superintendents
 - Stephanie Tallman attended the Customer Service Value Leadership Training given by SGR in New Albany on July 25
 - Ryan Brown will be attended a two day water training course from AWWA on July 30 and July 31
 - Class 1 Water Supply License
 - Trent Howell, John Burr and Connor Johnson have all signed up for the OTCO Class 1 Water Course. Classes are every Monday for 14 weeks starting on September 9

- **Director**

- Rate Structure

- A letter from the Director and a FAQ page have been added to the City website explaining the new rate structure
 - A brief note has been added to the bills and will remain on the bills until after the customers see the new rate structure in the bill due in March 2020.
 - Every other month between now and then, the letter from the Director will be included with the bills to the customers

- Fanin & Deagle

- 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
 - These discussions have been promising. The details of any trades are still being worked out

- Construction

- 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.
 - Complete Private pumping and piping system
 - OEPA pointed out several concerns for the City with this type of system
 - Private pumping system in the yard of each house pumping to a public force main
 - OEPA pointed out several concerns for the City with this type of system
 - Lastly, private pumping system inside the residence leading to a public force main
 - OEPA would not consider the pumps a part of the collections system and operationally they would not affect the City's responsibility
 - Discussions took place at the Utility Committee meeting on July 31 regarding any and all concerns with allowing this type of grinder pump system

- Language will have to be added to the Zoning Documents outlining the responsibility of the pumps will belong to the residents and not the City
 - The lots will need to be pre-approved for septic systems should the force main system ever fail in the future
 - The Department will review the ability for the “lower 1/3” of the properties to be serviced by gravity sewers
- Heron Manor
 - I am requiring a water line connection to Broad St at the proposed site to add a second feed point to the area
 - I am requiring a standby generator be added to the Settlement Lift Station as part of this project
 - I have agreed to allow the delay of the generator installation until after the completion of phase 3
- Construction Specifications and Drawings
 - A review was done to update our Construction Specs and Drawings so that they will reflect our current standards
 - Hull is currently updating
- 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
 - Still in negotiations to come up with an acceptable price
 - Negotiations with the OEPA have begun to change the language in the Draft NPDES that is overly restrictive with some initial success
- Safety Program
 - Monthly Safety Talks are being conducted by the superintendents

- Backflow Prevention Taskforce
 - The taskforce held a meeting on July 15
 - An add on to our billing program allows for the tracking of the backflow device inspections in our system
 - John Burr will begin updating the system after the move to the Old Town Hall is complete
 - Next meeting scheduled for September 9
- Old Town Hall
 - The renovation of the Old Town Hall is going well.
 - The data systems are installed and ready for use as of July 30
 - The Alarm system is installed and ready for use as of July 30
 - A punch list was developed for the main portion of the work being done on July 18
 - A final walkthrough for this portion of the renovation was completed on August 1
- Hepatitis A Vaccine
 - Members of the wastewater industry are at a higher risk of Hepatitis A than the general public. The Utility Department will offer the Hepatitis A vaccine at no cost to the employees in the field
 - This offer is completely voluntary and the vaccine only needs to be given once in a person's lifetime
 - It is a 2 stage vaccination with 2-6 months between stages
 - Five employees have signed up for the program and the first stage will be given on August 12
- Utility Committee
 - A Utility Committee meeting was held on July 31
- Corporate Park
 - Met with Rob Klinger with Shai Commercial Real Estate about the utility capabilities for the corporate park

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