



**City of Pataskala Utility Department**  
**Chris Sharrock, Utility Director**

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➤ **Utility Department Updates**

• **Resolutions**

- Resolution 2020-032- *A RESOLUTION AUTHORIZING AND DIRECTING THE CITY ADMINISTRATOR TO EXECUTE A CONTRACT WITH SUEZ ADVANCED WATER SOLUTIONS TO CONDUCT THE PATASKALA WATER TOWER MAINTENANCE PROGRAM.*
  - The quote for this vehicle came in at \$1,564,860.00 to be paid in 10 annual payments of \$156,486
  - This program is an all-inclusive maintenance, inspection and surface coating program that will last for ten years
  - This program will cover the Southeast Tower and both Beechwood Trails Towers

• **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
- WRF Upgrade
  - Design being worked on by Hull
    - A design meeting took place on April 29, 2019 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
    - Design completion and PTI submittal to the EPA was completed on July 12, 2019

- 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
- The upgrade was re-nominated to the OEPA for the 2020 financial assistance program should the review process by the OEPA take longer than anticipated
  - The OEPA financial manager assigned to the loan is retiring and will be handing the review over to a new manager
  - 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 March 2020 award date
    - An RFP was advertised in the Newark Advocate on November 10<sup>th</sup> and 17<sup>th</sup> for the construction bidding, administration and observation. It was also posted on the City Website
      - Submittals were due by 11 am on Dec 5
        - Hull & Associates have been selected as the lowest cost and best services
  - We have informed the OEPA about our selection of Hull for the construction admin portion of the upgrade. The delay in this selection has moved the loan award date to April of 2020
  - A draft of the bidding documents has been sent to the OEPA for review and approval on Jan 13 2020
    - The OEPA has approved the Permit To Install (PTI)
    - We have advertised for bids on this project
      - A pre bid meeting will be held on April 2 and the bid opening will be held on April 10
      - After the awarded bid is submitted to the OEPA, we will know exactly how much of the project will be covered by the 0% loan for nutrient reduction
        - We anticipate anywhere from 80-95%

- Continuous Monitoring
  - We have purchased the required equipment to meet the continuous monitoring requirements for pH, flow, UV, turbidity, DO and temperature. Installation is anticipated to happen soon
    - All conduit has been run and equipment installed. The equipment is now tied in to our SCADA system
  - Continuously monitoring these parameters (even though they are not required by our permit) would qualify us for a staffing reduction of up to 20 hours a week (currently we are required to staff the WRF for 40 hours a week)
    - The staffing reduction request was submitted to the OEPA on March 6
- Lagoon Draining
  - The WRF upgrade project will require the plant to be taken offline and the lagoon system to be used during the construction.
    - In anticipation of the WRF upgrade project, we have submitted a plan to drain the lagoons so that significant capacity will be available in the spring during the upgrade to the OEPA
      - This plan was not rejected by the OEPA and the lagoon draining process has begun
      - We anticipate having plenty of available capacity to use the Lagoons during the upgrade process
- Biosolids
  - Tractor maintenance
    - We are having Ag Info come out to repair and explain the operation of the GPS unit that controls the tractor during land application
  - Site Inspection
    - Betsy VanWormer will be out on Mar 3 to do a site inspection and to train us on the monitoring and reporting that is required to operate a land application program
      - The inspection went well.
  - Sampling of the product has begun
    - Once sampling is returned and found to be sufficient, we can begin the process of notifying the farmer and calculating the nutrient load that will be applied to the fields

- **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.

- Well Cleaning

- We have three quotes for the well cleaning project to take place at WTP2 this year and will present the to the Utility Committee

- 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, wasted "dilution water" and the man-hours associated with it, should the costs of construction and sewer service from the District warrant it
  - Surveying of the wastewater lines at WTP2 and the District's sanitary main was conducted on Dec 5
  - Sampling of the wastewater generated during the water treatment process is underway to have an accurate breakdown of the contaminants in the wastewater and their concentrations
    - Once this data is compiled, a meeting will be scheduled with the District to discuss their interest in and the costs involved with taking the treatment process wastewater
      - This meeting took place on Feb 20. The District is willing to take us on as a customer. We are currently analyzing the cost as compared to what we spend maintaining this EPA permitted discharge point

- **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.

- Water Tower Maintenance Program
      - The Utility Department advertised an RFP for the creation and implementation of a Water Tower Maintenance Program
        - This program would cover painting of the towers exteriors and interiors, washout services, annual visual inspections and emergency repairs for a time span of 10 years and will be all inclusive
        - Budgetary estimates to do only the Exterior and Interior coatings came in at \$1,537,000. Estimates for a 10 year maintenance program have come in at \$1,565,000.
          - The estimates to paint the towers only did not include waste disposal or installation of the containment system for sandblasting. Estimates for the 10 year maintenance program are all inclusive
        - The deadline for responding to this RFP is Friday, March 6 at noon
        - The City received three proposals, one of which was not considered due to the scope of work being incomplete
          - The other two proposals were from Suez Advanced Water Solutions and Practical Inspections
    - Leak at Beechwood Trails Tower 1
      - A weld was found to be leaking near the top of the fill pipe on Feb 28
        - Suez was able to mobilize and repair the weld on Mar 3
        - Two consecutive bacteria samples were taken and passed
        - The tower was placed back on-line on Mar 6
- **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.
  - Danielle McGee has done an excellent job filling in for the Billing Manager during her absences
- **Training**
  - Class 2 Wastewater Treatment License
    - I am currently taking the American Water College Class 2 Wastewater Treatment correspondence course

- **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

- Representatives from the City and the District have begun discussions again to try and resolve the differences between the two entities in light of new personnel involved

- The first of these meetings was held on Dec 10 and was mostly used as a chance to make sure that all personnel are up to speed on where we are with the discussions

- Another meeting is scheduled for Friday, Jan 24 for further discussions

- This meeting was positive in tone as both sides try to come to a final decision. Proposed changes to the resolution passed by Council, but not passed by the District are currently under legal review

- A final meeting was held on Mar 11. The results from that meeting will be presented to 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
    - The language was accepted by the Utility Committee and presented to the developer. The developer has no issue with any of the language and will include it in its entirety on all plans
    - As far as Utilities are concerned, all of the concerns of staff and the Utility Committee have been adequately addressed
- Heron Manor
  - Reviewed plans for the Heron Manor development
    - A requirement was made to install a full size generator for the Settlement Lift Station after the completion of phase 3. Due to some phasing changes, we will require the generator to be installed after the completion of the first 64 lots
- Heritage Town Center Phase 2
  - Reviewed Plans and submitted comments
- 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
    - GPD Group is currently working on creating a scope and price for services to be reviewed by the department
      - GPD group has provided a scope and price for their services. This proposal was presented to the Utility Committee at the meeting on November 18
        - GPD Group was selected for this project and was approved by Resolution 2019-078
    - GPD group has been given our library of CCTV videos for the collection system and has begun using this data to help determine the source and corrective actions for the I&I corrective action plan

- This information will be tied to a GIS map outlining the areas of expected I&I
- Safety Program
  - The department requires two safety meetings each month
    - One is done at the team level by the Superintendents covering general safety issues
    - The second is done with the entire staff and focuses on practice exercises of the Water Contingency Plan
      - Each month, a different member of the department will lead this training
- End of Year Reports
  - Beginning the process of the End of Year Reports for the OEPA, the ODNR and for the public's information
    - These reports are: Sanitary Sewer Overflow, Well Withdrawal Report, Annual Sludge Report, Annual Utility Report, Annual Water Reclamation Facility Report and the Consumer Confidence Report
      - The Well Withdrawal report was completed on Jan 13
      - The Sanitary Sewer Overflow report was completed on Jan 14
        - We did not have any Sanitary Sewer Overflow events to report in 2019
      - The Annual Sludge Report was completed on Jan 22
- Staffing
  - Ryan Brown, our Plants Superintendent and Operator of Record, is no longer employed by the City as of Mar 6
    - The position is currently being advertised on the City Website, the Newark Advocate and several utility professional organizations websites
- One Water Government Affairs Workshop
  - I attended this workshop on Mar 4

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