



City of Pataskala Utility Department
Nathan W. Coey, Utility Director

➤ **Utility Department Updates**

• **Project Update**

- The Creek Road Water Main Project is currently in the service connection phase. Once services are completed the full transition to the new main will occur.
 - Post project efforts will include system pressure testing along with enlisting the services of the Headleys Mill Tower.
- The design portion of WRF Phosphorus Project is underway. The results of the centrifuge pilot study is complete with positive results. The centrifuge unit yielded the best results as compared to the rotary fan press, and two traditional belt filter press units. The project goals to meet the new effluent phosphorus limits, legislated state wide, are as follows:
 - A new biosolids dewatering unit to improve capture rate and reduce soluble phosphorus in the system. This more than likely will include a current building expansion to house the future unit.
 - *The traditional belt filter press and the centrifuge preformed optimally in the test trials. A screw press trial is being considered.*
 - Aeration improvements for the bioreactor. This includes an upgrade to the mixing system and more efficient controls for the system.
 - *Currently reviewing a potential solution to meet the aerations needs for biological phosphorus removal.*
 - Pumping systems to efficiently control and monitor waste streams for phosphorus removal.
 - A back up chemical phosphorus precipitation feed system if regulations require a phosphorus limit of .5 mg/l.
 - Options for laboratory facility improvements to begin conducting additional in house testing in lieu of contractual service.

• **Treatment Facilities**

- Well #1 at WTP2 is out of service due to an unknown issue. A motor failure is anticipated as contractors are in the loop for evaluation. The contractor will be on site this week to evaluate failure point.

- Nearly 40 tons of biosolids were hauled to landfill.
- Distribution and Collection System
 - The 2018 Water Main Valve Exercising Program is under way. This is an effort to ensure valves operate as designed and are ready in the event of a main line break. We do not anticipate any issues but it is likely we will find a failed valve during this effort that will require corrective actions.
 - On order for the standby pump for Eastside Lift Station has been placed.
 - The Southeast Water Tower level controller required contractual services. Due to current irregularities a voltage filter is being installed.
 - A great deal of organization work has been completed to maximize work areas. The staff has also inventoried tools and equipment.
- Billing Department
 - The Billing Manager continues to review potential technology changes in the Utility Billing Department.
 - Continual work regarding customer ACH authorization update standards.

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