



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

➤ **Director Update**

- The River Forest Lift Station Project is nearly complete.
 - All new components have been installed and in operation.
 - SCADA integration is scheduled for week of May 15th.
 - Project progressed very well. Great contractor to work with.
- The Distribution System Hydraulic Modeling Study is under way. I anticipate a follow up on model results in the coming week. Recommendations may take a month per consultant.
 - Strand has found some issues with the data or lack thereof in the past model and uncomfortable moving forward without additional data. The 'c-factor' data is incomplete or inaccurate based on pipe size. Additionally there are wrong pipe sizes used on existing main lines.
 - This additional data work and 9-12 physical system tests to calibrate the system above the current scope. I anticipate an addendum to the project in the amount of \$5,000 to \$7,000 forth coming.

➤ **Water Department**

- The motor on Well #6 at WTP #1 suffered failure. The motor was replaced and well back in service on 5-10-17.
- Working on flow balancing through the aged iron filters at WTP #1, efforts to improve efficiency.
- High Service Pump #3 at WTP #1 has a leaking seal. Our contractor is looking at this as it is a pump the rebuilt in the past.
- Transfer Pump #2 at WTP #1 is out for repair due to leaking seal.
- Utilizing barley straw at WTP #2 filter to waste tank to prevent algae growth. Results so far are promising. We are working to eliminate the algae because it clogs drains and requires vacuum truck clean out to prevent issues. If the barley works as planned this will result in seasonal cost savings.

➤ **Water Reclamation Department**

- OEPA annual inspection went well.

- We had some higher than normal pH levels during our testing of the ponds to remove phosphorus. This was the only 'exceedance' we have had in the past year.
- Inflow and Infiltration was brought up in the inspection. There are considerations to address this in the unfunded Sewer CIP.



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

April 20, 2017

Nathan Coey, Utility Director
 Pataskala WWTP
 621 W Broad Street Suite 1-D
 Pataskala, OH 43062

**Re: Pataskala WWTP
 Inspection
 Inspection
 NPDES
 Licking County
 4PB00009**

Subject: Ohio Environmental Protection Agency NPDES Inspection

Dear Mr. Coey:

Thank you for accompanying me during Ohio EPA's April 10, 2017, inspection of Pataskala WWTP located in Pataskala, Ohio. Along with myself from Ohio EPA's Central District Office, Ryan Brown was also present during the inspection. The purpose of the inspection was to evaluate compliance with the terms and conditions of your National Pollutant Discharge Elimination System (NPDES) permit and to evaluate the operation and maintenance of the plant.

Findings

1. The pH violations listed in the inspection report were due to the experimental use of the old treatment lagoons for phosphorus removal. The city has gone to blending regular effluent (i.e., effluent not routed through the lagoons) with the lagoon effluent to keep pH below the permitted threshold.
2. The city is continuing to evaluate whether the old lagoons can be used for removal of phosphorus from the plant effluent and if this can be a cost-effective alternative to other phosphorus removal technologies. This evaluation is ongoing.
3. The WWTP appeared to be functioning satisfactorily at the time of the inspection.
4. Inflow and infiltration are significant, but not yet negatively impacting treatment or compliance. Continued development within the city will result in additional flow directed to the WWTP. Inflow and infiltration may eventually cause problems with compliance if not addressed soon.

Recommendations: The recommendation(s) set out below are not Orders. The recommendations are offered by Ohio EPA to provide compliance assistance to your facility.

1. Please develop plans to address inflow and infiltration (I&I) to the sanitary sewer collection system. For example, this may take the form of instituting a storm water utility to improve storm drainage in addition to setting aside funding to address problem areas of I&I (generally found in the older areas of town).
- A dry lime feeder (agriculture product) was purchased for biosolids improvement efforts. The lime will be used to better control odor and improve de-water-ability.

- We are finding the longer the biosolids sit in storage it seems to draw moisture, experimenting with lime to see long term affect.

➤ **Billing Department Update**

- Billing Department is working on a customer data base as requested by Finance to support RITA mailings.
- Billing Department is collecting use data to share with Strand on our hydraulic modeling study.
- The annual audit is nearly complete.
- Billing Department is working with the field staff regarding radio transmitters that need to be recalled due to loss of signal.

Highest Regards, Nathan W. Coey, Utility Director