

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
May 13, 2024**

The East Goshen Township Municipal Authority held their regular meeting on Monday, May 13, 2024 at 7:00 pm. at the Township Building.

Members in attendance are indicated in **BOLD**:

Dana Pizarro, Chairman
Walter Wujcik, Vice Chairman
Jack Yahraes
Carmen Battavio
Kevin Cummings

Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Dave Ware (Finance Director) and Patrick McKenna (Attorney).

COMMON ACRONYMS:

<i>ATS – Automatic Transfer Switch</i>	<i>MA- Municipal Authority</i>
<i>BFES – Big Fish Environmental Services</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>BOS – Board of Supervisors</i>	<i>PC – Planning Commission</i>
<i>CB – Conservancy Board</i>	<i>PM – Prevention Maintenance</i>
<i>DEP – Department of Environmental Protection</i>	<i>PR – Park & Recreation Board</i>
<i>EPA – Environmental protection Agency</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>HC – Historical Commission</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>I&I – Inflow & Infiltration</i>	<i>SSO – Sanitary System Overflow</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>WAS – Waste Activated Sludge</i>
<i>PWD – Public Works Department</i>	

Call to Order & Pledge of Allegiance

Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. Dana asked for a moment of silence for our men and women serving in the Military at home and abroad, and EMTs and first responders.

Dana asked if anyone would be recording the meeting. There was no response.

Chairman’s Report/Other Members Report

Mark reported that he spoke with Mike Moffa. Mark suggested that the MA take a tour of the West Goshen plant and the pump station. In the past they have done this before a regular meeting.

SEWER REPORTS

1. Director of Public Works, Mark Miller’s report for May 13, 2024.

Monthly Flows – The average daily flow to West Goshen was 900,234 gallons per day.

Meters: The meters were read on a daily basis. Weather stations reported the wettest month ever.

C.C. Collection:

- All pump stations were visited on a daily basis. Routine maintenance was performed with no problems to report.
- We repaired a broken lateral on Reservoir Road.
- Restoration work was completed on the laterals we repaired last month.

C.C. Interceptor:

- The contractor was out last week to complete the work on the Interceptor line.

R.C. Collection:

- The two pump stations were visited on a daily basis with no problems to report.

Ridley Creek Plant

- The plant operator and Public Works shut down the temporary UV system and started using the reconstructed UV chamber. The operator made arrangements with the lab to pick up samples to check the UV treatment.
- We had a problem on May 3rd with the influent screen which caused the line to back up into the meter chamber. The operator pulled the muffin monster and found that the bottom end was worn out. The operator also determined that the screen was worn and will need to be replaced.
- We called JWC about the muffin monster parts; however, the unit cannot be rebuilt, so I ordered a replacement unit. The cost will be \$27,691.00 and delivery will be 4 to 6 weeks.
- On May 6th we utilized a vac truck to clean the pipe between the screen building and the meter pit to remove the grit and other debris. I advised the operator to schedule the installation of the new brush for the screen and I will send two guys to assist in the replacement.
- We need Pennoni or Lenni to figure out the power spikes. We have counters on the power units, but they only give a count of the spikes. What we need is a graph that shows the normal power and the surge with date and time of the surge.

Alarms: 7

PA 1 Calls: 114

Monthly Rainfall: 5.65

Lateral Repairs or Caps: 4

Note: the increase in the daily flows was discussed.

2. Pennoni Engineer's Report dated May 9, 2024

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – We were informed by Mark Miller that the tank's outside insulation is again pulling away from the tank in some locations. We contacted the supplier,

Pyrz, to alert them of this issue on April 5. They were in contact with Mark in early May to discuss a site visit and repairs, but they have not yet provided a definitive schedule to do so.

The outdoor emergency shower was installed. On April 11, the tank was filled and put into operation. We provided chemical feed pump rates to the operator for system startup.

We previously prepared a draft O&M Manual for the system that was submitted to the Township and operator for review. We will set up a meeting to review once the system is ready for operation so that the Manual can be finalized.

- **UV Disinfection System** – When installing the first UV module into the permanent channel on April 8, it was discovered that the width of the channel was too narrow due to two coats of parging applied to the walls, the chamfer at the top of the concrete wall creates an open strip that allows UV light to escape, and the top module compartment utilizes Glasco’s latest design, which is shorter than the previous design.

On April 9, Public Works grinded away the additional parging on the channel wall to increase the width of the channel.

To remedy the open strip that allows UV light to escape and to account for Glasco’s latest design, Glasco is fabricating a shroud and vertical guides at no extra cost. Pennoni reviewed and returned the shroud and vertical guide submittals to Glasco on April 22. As of May 8, fabrication of the shrouds and vertical guides are anticipated to be ready for delivery by May 17.

As a temporary solution while the shrouds and vertical guides are being fabricated, Zimmerman installed plywood around the UV module to act as the shroud in order to allow the permanent system to go online.

The first UV module for the permanent system was put online April 24, and the temporary bypass system was put offline, but it remains in place in case flow needs to be diverted back into it. After sampling from the two week trial of the first permanent UV module comes back within the permitted discharge limits, the second permanent UV module will be installed. The jib crane is expected to be installed around that same time also. The temporary system will then be fully disassembled, and the temporary channel will be returned to Glasco.

An updated tentative construction schedule follows with completed work in italics:

- *Delivery of Permanent UV Equipment – October 30, 2023*
- *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
- *Initiate Temporary Bypass Work – Mid-November 2023*
- *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
- *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
- *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial curing)*
- *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
- *Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 24, 2024*
- Two Week Trial of New UV System in Permanent Channel – April 24 -May 8, 2024
- Install Second UV Module into Permanent Channel – Mid-Late May, 2024
- Two Week Trial of Second New UV System in Permanent Channel – Late May to Early June, 2024

- Construction Completed –Early-Mid June 2024
- **Generator #2 Replacement** – Public Works has constructed the concrete pad expansion for the generator, and the generator was delivered to the RCSTP on April 8. Electrical work and setting of the generator on the concrete pad has been scheduled with Lenni.
- **Influent BOD Loadings** – As requested by the Municipal Authority at the April MA meeting, Pennoni evaluated the influent BOD loadings for January to March 2024 as compared to the influent BOD concentrations in 2023. See the attached tables for the BOD loading data for January to March 2024 and for all months in 2023. It was observed that the influent daily BOD concentrations were unusually high in March 2024, with the daily average concentration being about 420 mg/L. The 2023 daily average influent BOD concentration was about 275 mg/L, and about 270 mg/L for January and February 2024.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – As of April 30, the Contractor, Insituform, is substantially complete all work. We received the pre and post videos of the pipe relining work on May 8 and are currently reviewing the videos. It initially appears that punchlist work is required in the segment of pipe that was pipe lined to clean up the rough lateral reinstatements. We will coordinate with the Contractor accordingly.
- **Supplee Valley Pipe Lining** – The next sewer rehabilitation project is planned to be installation of cured-in-place pipe liners in the remaining un-lined sewers in Supplee Valley. The sewers have been televised. Public Works will provide the videos to Pennoni for review, and we will then prepare a bid document. The goal is to construct this work by the end of 2024.

New Connections

- Millstone Meadows (1010 Hershey Mill Road) – The Chester County Conservation District questioned portions of the proposed sanitary sewer main routing in their review of the project plans to avoid proposed stormwater features. We are coordinating with the design consultant to revise accordingly to the extent feasible.
- 301 Reservoir Road (5-Lot Residential Subdivision) – We received a revised Land Development Plan submission that is currently being reviewed.
- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware that the grinder pump has been installed.
- 14 Reservoir Road – We prepared the Sewage Facilities Planning Mailer and submitted it to the design consultant, who stated that they submitted it to PADEP on March 5. However, the design consultant contacted the Township on April 15 to inquire about the PADEP submission status. We followed up with the design consultant to confirm that they did actually submit the Sewage Facilities Planning Mailer on March 5, but we have not yet received a response.

3. Big Fish Environmental Services –

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for March 2024. All supplemental reports were submitted for the March 2024. The plant is anticipated to comply with the discharge effluent limitations for April. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes increased to a daily average of 84.7 gpd from the previous standard of 77.7 gallons per day. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering experienced no mechanical issues impacting production. There were two odor complaints during the month. This is due to the rapid increase in temperatures and the residual left in SBR 1 after using it as an overflow tank during high-flow events. Measures have been taken to empty the tank and mitigate any further odor concerns.

Approval of Minutes

The minutes of the April 8, 2024 meeting were approved as amended.

Approval of Invoices

1. Kevin moved to approve payment of the following Pennoni invoices:
 - a. Invoice #1221069 \$ 123.00
 - b. Invoice #1221070 \$ 1,571.25
 - c. Invoice #1221071 \$ 4,015.50
 - d. Invoice #1221072 \$ 1,509.50

Walter seconded the motion. The motion passed unanimously.

2. Walter moved to approve payment of the Zook's Concrete Pumping paid invoice #1537 in the amount of \$575.00. Kevin seconded the motion. The motion passed unanimously.
3. Walter moved to approve payment of the CB Dombach & Son paid invoice #4179 in the amount of \$800.00. Kevin seconded the motion. The motion passed unanimously.
4. Kevin moved to approve payment of the Gawthrop Greenwood paid invoice #288540 in the amount of \$431.00. Walter seconded the motion. The motion passed unanimously.
5. Kevin moved to approve the Gawthrop Greenwood invoice #290046 in the amount of \$471.50. (Note: the amount of \$475.50 on the agenda was incorrect) Kevin seconded the motion. The motion passed unanimously.

Liaison Reports

1. Conservancy Board - Walter reported that their Educational Class went very well. About 25 people attended. On Keep East Goshen Beautiful Day about 13-14 areas were collected. The Arbor Day Tree was planted and Public Works is watering it. East Goshen was named Tree City USA for another year.

Financial Reports

Dave Ware provided the following report:

Year to date April 2024, the Municipal Authority recorded \$261,356.00 in revenues (primarily from Sewer Capital Reserve transfers) and \$257,025.00 in expenses (RCSTP UV replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies, engineering and audit expenses). The net result of operations is \$4,331.00. As of April 30, 2024, the fund balance was \$11,893.00.

Old Business

1. **Maillie Letter** – The letter from Maillie regarding their audit was reviewed. Dave’s response memo to the MA about the Maillie audit letter was also reviewed. After discussion, Kevin moved to ask Maillie for a written response about how to mitigate the Significant Risks they identified on their March 18th letter for the year ending December 31, 2023. Walter seconded the motion. The motion passed unanimously. Dave will look into getting a written response from Maillie.

2. **Sewer Rates** – Dana attended the BOS meeting on April 16th to see Dave’s presentation about increasing sewer rates. Dave reviewed the 10-Year Analysis of Projected Total Sewer Fund Balance and Sewer Operating Fund Analysis of \$30/Qtr rate increase if implemented in Q3, 2024. The draft of the proposed letter from the MA to the BOS was reviewed. Dana will sign it. Dana thanked Dave for all the work he has done on this project.

3. **Asbestos Cement Pipe Map** was reviewed. They discussed what needs to be done. A plan needs to be made showing how long it will take. Mark wants to start in the low areas first.

Goals – The “Study sewer line expansion” should be removed.

New Business – None

Any Other Matter - None

Correspondence- None

Public Comment - None

Adjournment

There being no further business Walter moved to adjourn the meeting. Kevin seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:40 pm.
The next regular meeting will be held on Monday, June 10, 2024 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer, Recording Secretary