

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
August 12, 2024**

The East Goshen Township Municipal Authority held their regular meeting on Monday, August 12, 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),
Michele Truitt (Supervisor)
Dave Ware (Finance Director),
Patrick McKenna (Attorney)
Mike Ellis (Pennoni).

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 troops, police, EMTs and first responders. Dana asked if anyone would be recording the meeting. There was no response.

Chairman’s Report/Other Members Report

Mark reminded everyone that they will take a tour of the West Goshen plant before the September meeting. Meet at the Township Building at 5:00 p.m. He will provide a van.

SEWER REPORTS

1. Director of Public Works, Mark Miller's report for August 12, 2024.

Monthly Flows – The average daily flow to West Goshen was 795,367 gallons per day.

Meters:

- The meters were read on a daily basis.
- No issues found with operating meters

C.C. Collection:

- All pump stations were visited on a daily basis.

C.C. Interceptor:

- Mowed and maintained.

R.C. Collection:

- Routine maintenance was performed on a daily basis.
- Public Works crew pulled all manholes and inspected and marked out sewer lines in the Clocktower development in preparation for upcoming Riggs/Distler utility work.

Ridley Creek Plant

- Cleaned grit chamber
- Jetted and flushed inflow pipe to the plant

Applebrook Golf Course

- PW crew replaced the Applebrook pump, and it is now pumping 36,500 gallons per day.

Alarms: 6

PA 1 Calls: 73

Monthly Rainfall: 2.80”

Lateral Repairs or Caps: 4: 1 Wentworth, 1 Reservoir Rd, 1 Baldwin Dr and 1 Katherine Ln

2. Pennoni Engineer's Report dated July 15, 2024

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – Matt Mullin provided as-built photos of the caustic soda plumbing. We updated the as-built plans accordingly with the provided plumbing information and submitted the revised as-built plans to PADEP on July 23.

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 now that the system is up and running so that the Manual can be finalized.

- **UV Disinfection System** – On June 20, Lenni installed power to the jib crane and relocated the control panel to its permanent location, but it was discovered that the cords to connect the second UV module to the control panel are too short. Pennoni has since been coordinating with Glasco to obtain a new, longer cord for the module. Glasco picked up the temporary UV module cords to modify them to the correct length on July 25. Glasco will modify the temporary cords and return them in early August. After the new cords are installed, the two-week trial of the second UV module will begin. Glasco will also be scheduled to perform a post-startup inspection of the permanent UV installation.

The temporary system has been fully disassembled. Pennoni informed Glasco on June 25 that the temporary channel is ready for pickup and for them to coordinate with Mark Miller on the specific day and time of the pickup.

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 – June 11, 2024*
 - *Two Week Trial of Second New UV System in Permanent Channel – August 13 – 27, 2024*
 - *Construction Completed – Late August 2024*
- **Generator #2 Replacement** – No activity by Pennoni since the last report.
 - **Electrical Supply Evaluation** – We received a quote from EnerG Test for the installation of a power meter on the incoming electric supply line for \$9,144.00. The testing would be performed for 25 days and will monitor and log power usage, voltage, phase, and other components of the electric supply. EnerG Test's engineers will analyze the results and provide a report within 30 days of completion of the monitoring. The report will address if there are unusual power/voltage spikes or drops and other anomalies. We recommend that

their scope also include recommendations in their report to address any observed deficient conditions. For example, if the voltage is extremely inconsistent, a line conditioner (which acts as an electric filter) may be recommended on the main supply line. If problems are identified on the main feed, their report and recommendations can be provided to PECO to substantiate the problem with a request for PECO to implement the recommendations.

Their proposal requires that arc flash labeling be on any electric equipment that they will be in contact with. Labeling is not on the Main Distribution Panel (MDP), so it will need to be installed before they install the power meter. A short circuit and arc flash analysis was performed as part of the RCSTP expansion in 2011. Labels were provided at that time, but there is not a label currently on the MDP. The Township will need to have the labels printed and attached to the MDP, and they should be attached to other applicable equipment while at it if other equipment is not currently labeled either. We can forward an electronic copy of the report that includes the labels from 2011.

Separate of the power monitoring – An updated arc flash study should be performed in the near future since it has been over five years since the last study and there have been electrical equipment changes, most notably the replacement of both generators. We could obtain a quote, and this be considered in 2025 budgeting. We anticipate it can occur separate of and after the power monitoring.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work. We processed the fifth and final payment application and provided a payment recommendation letter. We also reviewed the Contractor’s Maintenance Bond, Statement of Surety, and Contractor’s Release and found all documents satisfactory. After approval of the final payment application, this project will be fully complete.
- **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 as well as some manhole lining. We are finalizing the bid document and have updated the construction cost estimate. We anticipate the cost will be approximately \$400,000, and we are coordinating with Dave Ware and Mark Miller on the available budget to establish Base Bid vs. Add Items. Funding from the planned 2025 Pipe Lining budget item is expected to be needed in conjunction with 2024 budget to cover the full cost of this work in one construction contract. The project is therefore proposed to be advertised in late August, bids due in late September, award consideration by the MA In October, and construction to occur in late 2024-early 2025 with all invoicing and payments to occur in 2025.

New Connections

- Millstone Meadows (1010 Hershey Mill Road) – We reviewed a revised Land Development Plan submission and issued a comment letter on July 25. In addition to other Land Development comments, a few minor sanitary sewer design comments remain outstanding.
- 301 Reservoir Road (5-Lot Residential Subdivision) – We assisted the Design Engineer with response to PADEP’s comments on the Sewage Facilities Planning mailer. Responses were provided to PADEP, and PADEP issued a Planning exemption letter on August 6.

- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware if the grinder pump has been installed.
- 14 Reservoir Road – PADEP approved the Sewage Facilities Planning Mailer exemption on June 5. We received a new plan submission and provided a comment letter on July 12. Amongst other things, two sanitary sewer design comments remain outstanding.

Capital Improvement Plan

- We prepared a 1st draft of a 20+ year capital improvement plan that includes pipe lining, manhole lining, pump station upgrades, metering, wastewater treatment plant upgrades and equipment replacement, and other improvements. The plan is currently under review with Finance and Public Works. We anticipate the plan will be iteratively edited over the next few weeks, and an updated draft will be presented to the MA at the September meeting.

Note: Michele Truitt’s memo commented that the warranty on pumps for the pump station start when they are put into service not when they are received.

3. Big Fish Environmental Services –

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for June 2024. All supplemental reports were submitted for July 2024. Caustic usage increased to 54 gallons per day from 51 gallons per day last month. Aluminum sulfate solution volumes decreased to a daily average of 68.8 gpd from the previous standard of 70.5 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 no odor complaints during the month.

Note: There was discussion about the effluent numbers.

Approval of Minutes

The minutes of the July 15, 2024 meeting were approved as amended.

Approval of Invoices

1. Walter moved to approve payment of the following Pennoni invoices:

- | | |
|---------------------|-------------|
| • Invoice # 1233192 | \$ 113.00 |
| • Invoice # 1233193 | \$ 339.00 |
| • Invoice # 1233194 | \$ 5,142.50 |

Jack seconded the motion. The motion passed unanimously.

2. Carmen moved to approve Payment Application #5 for Insituform Technologies Chester Creek Interceptor Inspection & Repair in the amount of \$11,348.00. Walter seconded the motion. The motion passed unanimously.

3. Carmen moved to approve JWC Environmental paid Invoice #119462 in the amount of \$27,691.19. This was for the muffin monster. Jack seconded the motion. The motion passed unanimously.

4. Carmen moved to approve payment of the following West Goshen Sewer Authority invoices:

- EG23-B \$ 95.64
- EG23-T \$31,392.87

Walter seconded the motion. The motion passed unanimously.

5. Jack moved to approve payment of the Gawthrop Greenwood invoice #293953 in the amount of \$315.00. Walter seconded the motion. The motion passed unanimously.

Liaison Reports

1. Conservancy Board - Walter mentioned that the meeting is this Wednesday and they will review landscape plans for a developer.

Financial Reports

Dave Ware provided the following report:

Year to date July 2024, the Municipal Authority recorded \$534,087.84 in revenues (primarily from Sewer Capital Reserve and Sewer Operating transfers) and \$528,781.16 in expenses (RCSTP UV replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies, West Goshen capital sewer tapping and bond, engineering, and audit expenses). The net result of operations is \$5,306.68. As of July 31, 2024, the fund balance was \$6,688.76.

Old Business

None

Goals – The goals were reviewed.

New Business

1. EnerG Test Quote - Mike explained that this quote of \$9,144.00 would be for an electric meter to be installed and monitor the power supply coming into the plant. After discussion, Kevin and Carmen want the cost of a filter instead.

2. Supplee Valley Pipe Relining – Mike mentioned that in 2016 1/3 of the neighborhood was done. The cost to complete this is \$380,000.00 which includes manhole grouting. \$425,000.00 is available for this year. He can put it out for bid this week and have bids available for the September meeting. Kevin made a motion to approve advertising for bids for the sanitary sewer lining. Carmen seconded the motion. The motion passed unanimously.

Any Other Matter - None

Correspondence- None

Public Comment - None

Adjournment

There being no further business Jack moved to adjourn the meeting. Walter seconded the motion. The motion passed unanimously. The meeting was adjourned at 7:45 pm. The next regular meeting will be held on Monday, September 9, 2024 at 7:00 p.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary