

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
April 8, 2024**

The East Goshen Township Municipal Authority held their regular meeting on Monday, April 8, 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), Michele Truitt (Supervisor), 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 &amp; 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&amp;I – Inflow &amp; 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**

Dana reported about the ABC meeting and reviewed the goals he presented. West Goshen Sewer Authority – Michele attended the meeting. They expect for have the punchlist done in May and then set up a new punchlist. The first meeting in May they will give a tour of the pump station. Michele will attend. They reported that the pump has a 1 year warranty and hasn’t been used yet but the year is almost done. Carmen explained that he never had a problem with warranties. They actually start when the pump is turned on.

**SEWER REPORTS**

**1. Director of Public Works, Mark Miller’s report for April 8, 2023.**

**Monthly Flows** – The average daily flow to West Goshen was 878,047 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 with no problems to report.
- We were very busy doing lateral repairs.
- Pipe Data was utilized to clean and televise 20,000Lf of some of our low areas.
- We located some holes and half a dozen laterals that we have to go back to look at.

**C.C. Interceptor:**

- Nothing to report at time of agenda printing.

**R.C. Collection:**

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

**I&I Work:**

- The PWD worked for over a week plugging lines and checking for inflow. Several manholes were found to be leaking.

**Ridley Creek Plant**

- Minor repair work done on as-needed basis.
- The guys did a good job on the UV system channel.
- The outside shower is in service.
- The spare lift station pump that we ordered arrived last week.

**Alarms:** 14, all caused by power outages

**PA 1 Calls:** Mark responded to an average of 15 calls per day.

**Monthly Rainfall:** 6.80”

**Lateral Repairs or Caps:**

- We currently get notified by residents if they have a sewer problem. The theory was that if we could, we would go out to plunge the line and clear the blockage. I would like to explain some recent issues that have happened over the last month and would really like to get your input going forward.

**2. Pennoni Engineer’s Report dated April 4, 2024**

***Ridley Creek Sewage Treatment Plant (RCSTP)***

- **Caustic Soda Conversion** – No activity by Pennoni since our last report. Once the outdoor emergency shower is installed, the tank can be put into operation.

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** –The temporary bypass system remains active.

Public Works performed construction to raise the concrete walls of the UV channel. Concrete was poured on February 29. Zimmerman completed installation of the finger weir and one permanent UV module in the permanent channel on March 29. Redirection of flow into the permanent channel and start-up of that UV module was scheduled for April 3, but it has been tentatively pushed back to April 8 while awaiting missing module eye shields from Glasco. The vendor will be on site for the startup and will bring the missing eye shields as well as shorter cables that were not previously provided.

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 8, 2024
- Two Week Trial of New UV System in Permanent Channel – April 8-22, 2024
- Install Second UV Module into Permanent Channel – April 23, 2024
- Two Week Trial of Second New UV System in Permanent Channel – April 23-May 7, 2024
- Construction Completed – Mid-May 2024

Zimmerman drilled additional test holes in the CMU walls on March 29 to confirm the frequency of the grout and determine the size of the CMU blocks. Every other cell has grout and the blocks are 16” wide by 12” deep. With this information, our structural department designed an amended mounting system for the jib crane accordingly. The design has been provided to Zimmerman to order materials and for installation. The jib crane will be installed after the permanent channel is operational.

- **Generator #2 Replacement** – Premium Power Services released the Cummins’ 500 kW diesel generator for fabrication in early March 2023. The generator is scheduled to be delivered to the RCSTP on April 8, with electrical work to follow.

We prepared electrical design and structural concrete pad plans for the new generator for use by the Township in construction. It is our understanding that the concrete slab was subsequently constructed by Public Works.

## **Sanitary Sewer Pipe Rehab**

- **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work with the exception of grouting one lateral connection, one manhole with infiltration that was identified during construction, and installing manhole-to-manhole cured-in-place pipe lining for one sewer run. They are performing lateral grouting on April 4 and cured-in-place pipe lining on

April 5. The manhole grouting will be scheduled thereafter.

## ***New Connections***

- Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since our last report.
- 301 Reservoir Road (5-Lot Residential Subdivision) – No activity by Pennoni since our last report. We previously reviewed a revised Land Development Plan submission and provided comments to the design consultant, including comments on the proposed sanitary sewer extension alignment and other sewer design aspects. We are awaiting a resubmission.
- 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 – No activity by Pennoni since our last report. We prepared the Sewage Facilities Planning Mailer and submitted it to the Design Consultant, who then submitted it to PADEP on March 5.

## ***Chapter 94 Reports***

- We completed the 2023 reports for the Ridley Creek, West Goshen (Chester Creek), and Westtown systems. We submitted the Ridley Creek report directly to PADEP via their OnBase system on March 29, and we submitted the Chester Creek and Westtown Tributary reports to West Goshen Township and Westtown Township respectively on March 25. East Goshen’s existing and projected treatment and conveyance needs for all three systems are all well within available and permitted capacities.

A summary of the RCSTP and West Goshen reports follows:

- RCSTP:
  - The RCSTP’s average influent flow was 404,000 gpd in 2023, which is slightly less than the flow from 2022. Flows remain well within the 750,000 gpd permitted average capacity of the plant. The 2023 flows are equivalent to 201 gpd/EDU, which is less than the Township’s planning flow rate of 225 gpd/EDU. See Table 1 in the RCSTP Chapter 94 Report for a tabulation of 5-year flow history.
  - The projected future 5-year average and maximum monthly flows to the RCSTP are 460,000 gpd and 519,000 gpd, which is below the permitted capacity of the plant. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
  - The RCSTP’s average organic loading was 915 lbs BOD<sub>5</sub>/day in 2023, which is slightly less than the loading in 2022. Organic loadings remain well within the 2,098 lbs/day permitted capacity. See Table 3 in the RCSTP Chapter 94 Report for a tabulation of 5-year organic loading history.
  - The 5-year projected average and maximum monthly organic loading to the plant is 924 lbs BOD<sub>5</sub>/day and 1,246 lbs BOD<sub>5</sub>/day, which is well within the permitted capacity. Refer to the attached Chart 2 excerpt for a graph of the 5-year historical and 5-year projected organic loadings.

- The Hershey's Mill and Hunt Country Pump Stations operated within their permitted hydraulic capacities in 2023, and they are projected to continue to do so in the future due to little to no projected upstream connections. See Table 8 in the RCSTP Chapter 94 Report for a summary of 2023 pump station flows versus capacities.
- West Goshen Service Area:
  - East Goshen's average daily flow was 688,000 gpd in 2023, which is an increase of 9.6% from 2022 and 8.0% from 2021. The actual flow rate in 2023 was 194 gpd/EDU, which is well under the planning flow rate of 225 gpd/EDU. This likely due to the ongoing success of the Township's aggressive I&I elimination program. See Table 1 in the West Goshen Chapter 94 Report for a tabulation of 5-year flow history.
  - The projected future 5-year average and maximum monthly flows to West Goshen are 687,000 gpd and 785,000 gpd, which is well within the intermunicipal capacity of 1 MGD. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
  - The Barkway and Ashbridge Pump Stations operated within their permitted hydraulic capacities in 2023 and are projected to continue to do so. See Table 8 in the West Goshen Chapter 94 Report for a summary of 2023 pump station flows versus capacities.

### **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. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes decreased slightly to a daily average of 77.7 gpd from the previous standard of 79.1 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.

### **Capacity Requests**

1338 Morstein Rd - There will be a total of 16 lots, 3 in East Goshen at the end of the cul-de-sac. Mike explained that 90% of the pipe would go to the West Whiteland system. He spoke with the West Whiteland engineer and feels that West Whiteland would be in charge. The rates that the East Goshen lots would pay were discussed. Carmen mentioned that all East Goshen residents pay the same rate.

Chris Coleman (West Whiteland resident) stated that he is a current West Whiteland resident next to this property. Last week the current residents attended the West Whiteland meeting, but he is representing the current residents at this meeting. They are on public sewer but private water. Carmen recommended that they call Aqua about curb stops.

Carmen made a motion to approve capacity requests for 3 EDUs on Morstein Road. Jack seconded the motion. The motion passed unanimously.

### **Approval of Minutes**

The minutes of the March 11, 2024 meeting were approved as amended.

### **Approval of Invoices**

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

- a. Invoice #1216255           \$ 661.50
- b. Invoice #1216256           \$ 3,163.50
- c. Invoice #1216257           \$ 1,028.50
- d. Invoice #1216258           \$ 1,609.50
- e. Invoice #1216259           \$ 1,101.75

Jack seconded the motion. The motion passed unanimously.

- 2. Kevin moved to approve payment of the Maillie paid invoice #104543 in the amount of \$7,000.00. Carmen seconded the motion. The motion passed unanimously.
- 3. Kevin moved to approve payment of the Delaware River Basin Commission (DCRC) paid invoice #242175 in the amount of \$749.00. Carmen seconded the motion. The motion passed unanimously.
- 4. Kevin moved to approve payment of the Gawthrop Greenwood paid invoice #286743 in the amount of \$430.50. Carmen seconded the motion. The motion passed unanimously.
- 5. Jack moved to approve the Heilmann Landscaping (dumpster rental) paid invoice dated 3/8/24 in the amount of \$450.00. Kevin seconded the motion. The motion passed unanimously.
- 6. Kevin moved to approve payment of the Sherwin Williams paid invoice #2485-3 in the amount of \$118.95. Carmen seconded the motion. The motion passed unanimously.
- 7. Kevin moved to approve payment of the Horn Plumbing & Heating paid invoice #1456133 in the amount of \$3,101. Jack seconded the motion. The motion passed unanimously.
- 8. Kevin moved to approve payment of the Juan Martinez – prep seal & paint block chamber at RCSTP paid invoice dated 3/22/24 in the amount of \$245.00. Carmen seconded the motion. The motion passed unanimously.

### **Liaison Reports**

1. Board of Supervisors – Michele mentioned that the next BOS meeting is April 16<sup>th</sup>.

### **Financial Reports**

Dave Ware provided the following report:

Year to date March 2024, the Municipal Authority recorded \$250,628 in revenues (primarily from Sewer Capital Reserve transfers) and \$247,033 in expenses (RCSTP UV replacement capital costs, Flygt pump, and Chester Creek Interceptor work by Insituform Technologies). The net result of operations is \$3,594. As of March 31, 2024, the fund balance was \$11,156.

Sewer rates report – Dave is conducting a sewer rate analysis. He took the actual 2022 & 2023 rates and explained how he constructed the rates. He put all sewer funds together. He projected 2024. He used a 5% increase. He explained the graphs he provided. He spoke about risk factors. Usage of water was discussed and when to start an increase. Michele recommended that Dave come to the next BOS meeting to discuss this presentation.

### **Old Business**

None

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

**New Business** –

**Lateral repair policy & procedure** – Mark mentioned that in the last 4 weeks they have done sewer repairs. In older developments, they have traps which may be hard to find. He discussed one resident’s issues. They went to the house, worked on it and ran a new sewer line. Carmen mentioned that no municipality can go to the house. Patrick advised to stay in the right-of-way and don’t go on personal property. This problem was caused by a tree in the right of way. There was discussion about the right of way.

**Any Other Matter** -

**Maillie Report** - The Maillie report was discussed. Kevin feels that a letter from the Finance Department should be sent to Maillie describing responses.

**Correspondence**- None

**Public Comment** - None

**Adjournment**

There being no further business Jack 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, May 13, 2024 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer, Recording Secretary