

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
October 9, 2017**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, October 9, 2017 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Ed McAssey, Jack Yahraes, Dana Pizarro, Kevin Cummings and Phil Mayer. Also in attendance were: Mark Miller (Director of Public Works), Mike Ellis (Pennoni), Stacey Fuller (Attorney), and Walter Wujcik, (Conservancy Board).

**COMMON ACRONYMS:**

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

**Call to Order & Pledge of Allegiance**

Ed called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our troops and first responders and everyone affected by the hurricanes in Texas and Florida.

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

**Chairman’s Report**

No Report

**Sewer Reports**

**1. Director of Public Works, Mark Miller’s report for September:**

Monthly Flows: The average daily flow to West Goshen was 657,000 gallons per day.

Meters: Meters were read on a daily basis with no problems.

C.C. Collection: The pump stations were visited on a daily basis. Wet wells were washed down. Pumps were pulled at all pump stations and sent to Deckmans for repairs. We repaired 6 lateral caps so far this month. We had Lenni Electric out to check all electrical motors and control panels at the pump station and the sewer plant. A full report was also provided. The generators at all locations were serviced. We had a problem at the Barkway Pump Station while pulling the pump. The way we have to work in the wet well needs to be changed. That being said I have asked Mike Ellis to look into the possibility of installing a Muffin Monster. I have contacted a local roofer to install a roof hatch, which would allow us to remove the pumps safer.

R.C. Collection: Pump stations were visited on a daily basis with no problems to report.

R.C. Plant: Routine maintenance was performed by the Public Works Department, no problems to report.

Lateral Inspections: Laterals were inspected at the Brandolini site on Strasburg Road and the Clocktower Farms addition on E. Boot Road.

INI: We have been replacing the manhole coatings and lids with a water tight lid (36) in the Wentworth Development.

Alarms: We responded to 28 alarms for September.

PA One Calls: We received 74 PA One calls for September.

## **2. Pennoni Engineer's Report for September**

Mike Ellis provided the following report.

### **Invoices**

- Invoices with summaries are provided under separate cover.

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

- Caustic soda pilot study –
  - We previously calculated the estimated caustic soda feed rate to be 5-6 gallons/hour when the pilot study SBR tank is in a Fill cycle. We previously recommended a 7.7-gallon/hour pump be acquired for the study. We have obtained pricing for a larger  $\pm 19.9$  gallon/hour pump as requested by the Municipal Authority in the event the recommended pump is found to be inadequate during the trial. Two 350-gallon totes should allow for a 2.5-3 week trial. We previously sent our recommendations to the plant operator for review and are awaiting a response. *No update since our last report.*
  - A pilot study sampling plan was previously requested from Big Fish, and we are awaiting a response. *No update since our last report.*
  - The pilot study can begin once the tap is installed and the operator provides a sampling plan and confirms the caustic soda feed rate. *No update since our last report.*
  - In order to progress this project, a meeting has been tentatively set up for October 13 at the RCSTP with the Public Works Department, Pennoni, Big Fish, and the controls consultant to resolve outstanding questions and concerns (i.e. chemical feed control during fill-decant phase) and establish a definitive schedule to begin the trial.
- SBR tanks CIM coatings –
  - Our structural engineers and leakage consultant performed a visual and non-destructive evaluation of the SBR #1 concrete walls on August 23. Two concrete cores were taken from the SBR #1 walls the same day. The cores have been tested and analyzed. We will provide a report with lab analyses, findings, and recommendations prior to the October MA meeting.

### **Reservoir Road Pump Station**

- We have received all permits. The bid document will be finalized to incorporate the recently issued Army Corps of Engineers permit, and a final set of plans and specifications will be provided to the Township for their files.
- A listing of the permits, expiration dates, and renewal deadlines will also be provided.

### **RCSTP and Pump Stations' O&M Manual**

- Completed. We recommend the Manual be revisited in July-August 2018 to determine if updates are needed and/or if new information has become available to incorporate.

### **Supplee Valley Pipe Lining**

- We prepared the bid document and submitted it to the Township for review. The bid document includes ALL sewers that we had previously recommended for repair over a 3-year period since the contract will span over calendar years 2017 into 2018, and funding from both years will therefore be available.

We recommend the following schedule:

- Advertisements = 10/10 and 10/13
- Non-mandatory pre-bid meeting = 10/18 at 10:00 am at the Twp building
- Bids Due = 11/6 at 10:00 am
- Award = 11/13 MA meeting
- Contract Execution ≈ early December
- NTP ≈ mid-December
- Construction (90 days duration) ≈ mid-December to March

### **White Chimneys Manhole Lining**

- We completed a 1-year warranty visual observation of the manholes that were lined in 2016 in White Chimneys and along Cornwallis Drive. No deficiencies were observed with the liners. However, apparent sulfuric acid (from hydrogen sulfide) is present on the liners near the bottoms of some of the manholes. We have recommended that the Public Works Department clean those liners. *No update since our last report.*

### **Barkway Pump Station Grinder**

- We met with the Public Works Director at the pump station to perform an initial evaluation of alternatives to add a comminutor (such as a Muffin Monster) to address problems with the pumps being caused by rags, wipes, and other materials. We submitted a proposal for engineering services to add a comminutor.

### **New Connections**

- Knauer Property, 1680 East Boot Road – We reviewed another revised plan submission to add additional sewer piping on-site to convey wastewater from additional on-site facilities through the previously approved laterals. Comments were provided to the Township.
- Brakman Property, 1420 East Strasburg Road – We reviewed a revised plan to change one of the two gravity service laterals to a force main with grinder pump due to shallow rock. Comments were provided to the Township and developer.

### **West Goshen Sewer System Consultation**

- No activity since last report.

SBR Tanks CIM Coatings - The Structural Assessment Report was reviewed. Kevin explained the tests that can be done to the concrete to see if there is any leaking. He explained the different types of coatings. They will probably use hydroblasting to remove the coating. To remove coating would cost \$3-5 per SF and \$15 per SF to put the new coating on. Mark suggested doing 1-2 tanks per year. Dana voiced concern about the structural aspect of the problem. Mike mentioned that the 10 year warranty of the coating is up 8/19. Dutchland has been responsive and made repairs. The Pennoni recommendations will be sent by Wednesday.

**3. Big Fish Environmental Services** – Scott’s report for September showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted discharge limitations during the month of August 2017. Discharge to Applebrook was initiated August 20<sup>th</sup>. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process.

The report was reviewed in detail. Authority members had questions about some data. Mark will talk to Scott.

### **Approval of Minutes**

The minutes of the September 11, 2017 meeting were approved as corrected.

### **Approval of Invoices**

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

- |    |                 |             |
|----|-----------------|-------------|
| a. | Pennoni #768598 | \$ 75.75    |
| b. | Pennoni #768600 | \$ 1,146.00 |
| c. | Pennoni #768601 | \$ 109.75   |
| d. | Pennoni #768602 | \$ 1,416.00 |
| e. | Pennoni #768624 | \$15,000.00 |

Jack seconded the motion. The motion passed unanimously.

### **Liaison Reports**

**Conservancy Board** - Walter reported that the Conservancy Board is planning a fall planting. They met with Applebrook Golf Club representatives and walked the wetland near Boot Road. The Club wants to use this as the construction entrance for the learning center they want to build.

### **Financial Reports**

Jon Altshul provided the following written report:

In September 2017, the Municipal Authority recorded \$20,948 in income (mostly from a \$20,000 transfer from the sewer operating fund) and \$19,320 in expenses, for a positive variance of \$1,629. Expenses included \$7,724 for the Q3 administrative chargeback and \$11,075 for general engineering. As of September 30<sup>th</sup>, the fund balance was \$1,179,737 of which \$1,141,729 is in the main construction account (most of which represents the 2013 note).

Kevin asked if the sewer rates were being increased to pay for the new bond. Mark will talk to Jon and, if necessary, have him come to the next meeting.

### **Old Business**

Supplee Valley Pipe Lining Bid Document – The presentation given at the September meeting was reviewed. The bid was discussed. Mark suggested doing the bid for \$200,000 which would cover 2 years. Mike reviewed the pricing expected for the bid. Since this changes what was done last month, Phil moved to put the Supplee Valley sewer pipe lining as an entire project on the bid. Jack seconded the motion. The motion passed unanimously.

### **Goals**

Goals for 2017 were reviewed. Jack pointed out that the months need to be updated for items a & f.

### **New Business**

Barkway Pump Station Grinder – Mark explained that the way to remove it is antiquated. Last week the cable broke and it fell in. He wants to put a hatch in the roof so it can be pulled out using a truck. He wants to add a Muffin Monster. Mike commented that it won't have to go to bid since Public Works can do the project. He gave several options. Safety is the main concern. Dana moved to authorize Pennoni's proposal for \$9,000 subject to the solicitor's approval. Jack seconded the motion. The motion passed unanimously.

Pennoni General Fund Increase – Mike explained the projects still to be done this year. Kevin moved to increase Pennoni's General Services not to exceed \$5,000. Jack seconded the motion. The motion passed unanimously.

### **Adjournment**

There being no further business, Jack moved to adjourn the meeting. Dana seconded the motion. The meeting was adjourned at 8:45 p.m. The next regular meeting will be held on Monday, November 13, 2017 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary