

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
August 7, 2017

The East Goshen Township Municipal Authority held their regular public meeting on Monday, August 7, 2017 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Ed McAssey, Jack Yahraes, Dana Pizarro, and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Mark Miller (Public Works Director), Mike Ellis (Pennoni), Patrick McKenna (Attorney), Walter Wujcik, (Conservancy Board) and Scott Towler (BFES).

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 & Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&I – Inflow & 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. Ed asked if anyone would be recording the meeting. There was no response.

Chairman’s Report

Ed reported that he attended the West Goshen meeting. They made some changes to the proposed by-laws. Westtown and West Whiteland have not signed the agreement yet. Mike Moffa, Waste Water Manager, recommended getting a new digester.

Sewer Reports

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

Monthly Flows: The average daily flow to West Goshen was 719,000 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 with no problems to report. We replaced all of the castings and lids along Reservoir Road, Meadow Drive and Hollyberry Lane.

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

R.C. Plant: No problems to report.

Alarms: We responded to 20 alarms for July.

PA One Calls: We received 78 PA One calls for July.

2. Pennoni Engineer's Report for June

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 are obtaining pricing for a larger ± 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.
 - A pilot study sampling plan was previously requested from Big Fish, and we are awaiting a response.
 - We provided recommendations to Public Works on the chemical feed tapping location to the influent SBR ductile iron piping including injection quill and ball valve.
 - The pilot study can begin once the tap is installed and the operator provides a sampling plan and confirms the caustic soda feed rate.
- SBR tanks CIM coatings –
 - We researched the history of the SBR tanks' structural design, construction, and CIM coating bubbling and peeling issues. A summary of findings and structural condition assessment testing alternatives will be provided at the August MA meeting.

Reservoir Road Pump Station

- We submitted revised plans to the Army Corps of Engineers (USACE) to address their last set of minor comments, and we are hopeful that this final permit will be issued by the end of August.
- The bid document will be finalized and submitted upon receipt of the remaining USACE permit.
- We will complete a listing of the permits, expiration dates, and renewal deadlines once the USACE permit is issued.

RCSTP and Pump Stations' O&M Manual

- We received comments on the near-final O&M Manual submission from Mark Miller. The comments were addressed, and the Manual has been finalized. We reproduced 22 bound, hard

copies for the Public Works staff and other Township staff. We recommend the Manual be revisited in one year to determine if further updates are needed.

Supplee Valley Pipe Lining

- We reviewed several videos of the sewer mains and began prioritizing sewers for rehabilitation. Additional missing videos have been requested from the CCTV contractor so that we can complete the prioritization, scoping, and cost estimating.

New Connections

- Knauer Property, 1680 East Boot Road – We reviewed a revised plan submission for a proposed sewer connection to be installed with fewer lateral pipes at less-than-minimum slopes, and we provided comments to the Township and developer.
- Brakman Property, 1420 East Strasburg Road – We reviewed sanitary sewer shop drawings, attended a sewer pre-construction meeting, and performed construction observation of the horizontal directional drilling of the new gravity sewer main across East Strasburg Road.

West Goshen Sewer System Consultation

- We prepared and issued a Self-Liquidating Debt Certification for the portion of the upcoming bond issuance that will be used to pay East Goshen's portion of West Goshen's plant and sewer system upgrades.

Mike mentioned that Costars has 8 companies that do relining. The estimated cost is \$40-50/linear foot. He will contact some of them and should have a recommendation next month.

Pennoni is requesting additional funds for general services totaling \$8,500. Jack moved to approve additional funds not to exceed \$9,000. Dana seconded the motion. The motion passed unanimously.

3. Big Fish Environmental Services – Scott's report for July showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted discharge limitations during the month of June 2017. Discharge to Applebrook remained off line. 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.

Jack commented on the discharge to Applebrook. Mark said the pump is on now.

Approval of Minutes

The minutes of the July 10, 2017 meeting were approved as corrected.

Approval of Invoices

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

- a. Pennoni #759081 \$2,589.25
- b. Pennoni #759083 \$ 269.25
- c. Pennoni #759084 \$2,621.25

Dana seconded the motion. The motion passed unanimously.

2. Jack moved to approve payment of Gawthrop Invoice #182042 for \$940.00. Dana seconded the motion. The motion passed unanimously.

Liaison Report

Conservancy Board - Walter reported that the BOS approved a study of the ponds to be done by the Natural Lands Trust. The results of the study will determine what will be done with the trees in Marydell. Ed complemented the CB on the work they have done on Clymer's Woods.

Board of Supervisors – Carmen reported that, in addition to the bond sale and NLT study, they approved the engineering for the Paoli Pike Trail.

Financial Reports

Jon Altshul provided the following written report:

In July 2017, the Municipal Authority recorded \$5,982 in interest income (mostly from the \$5,000 transfer from the sewer fund) and \$5,893 in expenses for a positive variance of \$90. Expenses included \$3,167 for general engineering and \$2,726 for Reservoir Road Pump Station engineering. As of June 30, the fund balance was \$1,182,067 of which \$1,142,761 is in the main construction account (most of which represents the 2013 note).

The July 11th bond sale was very successful. Six investment banks made 59 bids on the bonds over the course of 30 minutes. The low bid came from Janney Montgomery Scott with a yield (effective interest rate) of 2.778%. The closing will occur on August 15th at which point the funds will be wired to the bank.

Goals

Goals for 2017 were reviewed.

Old Business

SBR tanks CIM coatings - Mike provided photos of SBR Tank #1 and #2 which were taken on July 18, 2017. SBR #1 was off line. He explained that the liner is on the interior walls only. The top peeling is a new issue. There is a 10 year warranty on the coating through Dutchland and they have been making the repairs. Kevin suggested taking samples. Scott commented that there are no problems with the exterior walls. He explained the structure composition. Mike mentioned that Pennoni has structural engineers who can take cores from the walls and test it. He estimates the cost to be \$10,000-15,000. After further discussion about the testing process, Kevin moved to authorize Pennoni to take 2 cores and do the testing not to exceed \$15,000. Jack seconded the motion. The motion passed unanimously.

New Business

New Probes and controller - Mark explained that there are 3 probes in the SBRs that are 8-10 years old. Cost to replace them and the controller for the plant will be \$14,000 and it will come out of Capital Reserve. Jack moved to authorize Mark to purchase the 3 replacement probes and controller. Dana seconded the motion. The motion passed unanimously.

Any Other Matter

Mark commented to Scott that he appreciates the daily reports the staff sends to him. Scott explained the processing at the plant.

Adjournment

There being no further business, Dana moved to adjourn the meeting. Jack seconded the motion. The meeting was adjourned at 8:10 p.m. The next regular meeting will be held on Monday, September 11, 2017 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary