

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
April 13, 2015

The East Goshen Township Municipal Authority held their regular public meeting on Monday, April 13, 2015 at 6:00 pm at the East Goshen Township building. Members in attendance were: Chairman Kevin Cummings, Dana Pizarro, Jack Yahraes, Fran Beck, and Ed McAssey. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Mike Ellis (Pennoni), and Jessica Wiesak (Attorney).

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

Kevin called the meeting to order at 6:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember the troops and all veterans. Kevin asked if anyone would be recording the meeting and there was no response.

Chairman’s Report/Other Members’ Reports

1. Jack reported that he attended the West Goshen meeting.

Sewer Reports

1. Director of Public Works

Mark Miller reported for March 2015:

Meters: All meters were read on a daily basis.

C.C. Collection: We responded to 4 lateral clogs, two were in Grand Oak, one in Hershey Mills, and one in White Chimney. All clogs were cleared.

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

R.C. Plant: No problems to report.

Re-sale Inspections: We had 4 re-sale lateral inspections in the township. I inspected them and found no problems.

Alarms: We responded to 14 alarms for the month of March.

PA One Calls: We received 46 PA One calls in March.

2. Pennoni Engineer’s Report

Mike reviewed the revised plan for the proposed Reservoir Rd pump station. They met with DEP to review the plan. The wet well is outside the building so it only contains a generator and the building is smaller. Jack asked if the drive can be gravel. Rick commented that there is no difference in storm water management. Two borings have been done.

Mike Ellis provided the following report:

Invoices: Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP):

1. We provided consultation and correspondence to the Township on the proposed surge protection addition and replacement and the premature UV ballast failures. We agree with the proposed approach to add a new TVSS immediately prior to the ballasts and that the ballast failures are likely due to surges. The Township should consider contacting the new ballast vendor and manufacturer to determine their troubleshooting and customer support capabilities now in the event there continues to be issues following the new TVSS installation.
2. We attended a tour of the plant and a field visit to the Ashbridge Pump Station with Mark Miller and Pat McKenna on April 2nd.

Reservoir Rd Pump Station:

1. We attended the PADEP Water Quality Management (WQM) Permit pre-application with Rick Smith at PADEP's Norristown office on March 13th. PADEP had some minor comments, but they were agreeable to the design and permitting approach for the project. The project will require an individual WQM permit instead of a general permit due to the proposed daily pump volume.
2. We initiated the progress design including site layout, diversion details and diversion piping profiles, pump design, wet well and valve vault, building architectural and HVAC, power, and controls. A current draft of plans will be presented at the April 13th Municipal Authority meeting.
3. The existing conditions field survey work continued and has been substantially completed. An existing conditions plan is nearly complete. Once it is complete, force main plans and profiles will be prepared.
4. We are coordinating with the PW Department to perform two infiltration tests at the proposed pump station site within the next 2 weeks. The tests are needed for future stormwater management design. Once the tests are performed, we will schedule a NPDES Stormwater pre-application meeting with PADEP and the Chester County Conservation District.

Chapter 94 reports:

1. We completed the 2014 Chapter 94 Reports for the RCSTP, West Goshen Service Area (WGSA), and Westtown Service Area, and we submitted them to PADEP on March 31st. The ECSTP, pump stations, and sewers all have adequate capacity. A summary of the PCSTP and WGSA reports follows:

RCSTP:

The 2014 annual average influent flow (not including recycle flows) was 0.409 MGD, and the 3-month maximum average flow was 0.479 MGD. The plant's permitted average capacity is 0,750 MGD. The 5-year projected annual average and maximum month flows are 0.396 MGD and 0.458 MGD respectively.

The 2014 annual average organic loading (not including recycle flows) was 701 lbs/day BOD5, and the maximum month loading was 930 lbs/day BOD5. The permitted capacity is 2,098 lbs/day. The 5-year projected annual average and maximum month loadings are 706 lbs/day and 1,085 lbs/day respectively.

The interceptor is considered to have had adequate capacity to convey the maximum daily flow in 2014. The Hershey's Mill and Hunt Country Pump stations are projected to have adequate capacity for the projected 2-year peak day flows.

WGSA

The 2014 annual average flow was 0.771 MGD, the 3-month maximum average flow was 0.930 MGD, and the maximum daily flow was 2.142 MGD. The 5-year projected annual average and maximum month flows are 0.827 MGD and 0.982 MGD respectively.

The interceptor had more-than-adequate capacity to convey the maximum daily flow in 2014. The Ashbridge and Barkway Pump Stations are projected to have adequate capacity for the projected 2-year peak day flows.

Semi-Annual I&I Report

We analyzed portable and permanent meter flows for the past 6-month period, and we prepared the semi-annual I&I report. We expect to issue the report on April 10th.

Lockwood Chase STP Closure NPDES Permit N.O.T. - We plan to perform a site visit to the former LCSTP site to evaluate the consistency of as-built conditions with the permit plans within the next month, so that the NPDES Permit Notice of Termination paperwork can be finalized and submitted to the Chester County Conservation District.

Hershey's Mill PS and Marydell PS Diversions – The 2-year Maintenance Bonds on the Hershey's Mill PS and Marydell PS Diversions expire in July and August respectively. We recommend warranty inspections be performed by May.

Hershey's Mill PS Muffin Monster – we notified PADEP that the comminutor has been installed in the pump station for their field evaluation as required by the permit, but we have not received a response.

3. Big Fish Environmental Services – Scott reported that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during February 2015. There was no discharge to Applebrook, which is identified as outfall 002. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous month. No mechanical or operational issues were observed during operation of the SBR and sludge dewatering equipment.

Significant storm/Hydraulic Loading Events – During March, there were 4 storm events resulting in daily precipitation amounts greater than 0.5 inches measured during a 24 hour period. A total of 4.4 inches of rainfall and 10.0 inches of snow were measured at the facility during March. Influent flows nearly doubled from a monthly average of 538,237 gpd to 841,790 gpd on March 4th, 836,410 gpd on March 16th and 902,200 gpd on March 14th.

Approval of Minutes

Jack moved to accept the minutes of March 9, 2015 as corrected. Fran seconded the motion. The motion passed unanimously.

Approval of Invoices

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

- a. Pennoni #630705 \$ 1,756.25
- b. Pennoni #630706 \$ 368.75
- c. Pennoni #630707 \$ 2,593.75
- d. Pennoni #630893 \$ 6,619.50
- e. Pennoni #630894 \$ 11,988.25

Dana seconded the motion. The motion passed unanimously.

2. Fran moved to approve payment of the following Gawthrop invoices:

- a. Invoice #129252 for \$660.00
- b. Invoice #130320 for \$480.00 for the audit

Dana asked about a \$300 previous balance from the last meeting. Rick commented that this will pay it. Dana seconded the motion. The motion passed unanimously.

Liaison Reports

Board of Supervisors – Carmen mentioned that after this MA meeting tonight will be the Comp Plan meeting.

Financial Reports

Jon Altshul provided the following report:

In March, the Municipal Authority recorded \$132 in revenues and \$24,672 in expenses (including \$8,292 for the quarterly overhead chargeback, \$10,395 for Reservoir Rd Pump Station engineering and \$5,685 for general engineering), for a variance of -\$24,540. As of March 31, the fund balance was \$1,551,504, of which \$1,505,313 is in the construction account.

Goals

Jack reported that there was not enough space in the Newsletter for his article. He wrote a history of the sewer plant. He suggested that if there is nothing new, then no article will be done. Dana & Mike will work on an article about smoke testing. Articles are due May 1.

New Business

1. The quote from Lenni Electric for replacement of the existing protector is \$4,168.85

The quote from Lenni Electric for a new TVSS for the UV System is \$5,402.80.

Dana moved to approve purchase of a replacement for the existing protector for \$4,168.85. Jack seconded the motion. The motion passed unanimously.

Fran moved to approve purchase of a new protector. Ed seconded. Discussion: Some surges are getting through the current protector although PECO says there are no surges. The need for a backup was discussed. This was tabled until the next meeting.

2. Wastewater Capacity Needs Evaluation Update - Pennoni evaluated and projected the potential maximum future wastewater flows throughout East Goshen Twp in the letter date February 9, 2007. The maximum township-wide future public wastewater flow was projected to be 1.736 MGD. This evaluation was the basis for the recent expansion of the RCSTP, several constructed pump stations and gravity sewer diversions, and the planned Reservoir road Pump Station diversion. This evaluation is over 8 years old and actual flows, existing connections and projected connections vary from that which was predicted in 2007. There is also interest from

adjacent municipalities to connect new development(s) and an existing development with failing on-lot systems to East Goshen's sewer system. The Needs Evaluation needs to be revisited and updated to determine East Goshen's current wastewater needs as well as the feasibility of additional connections from other municipalities. Pennoni anticipates the evaluation can be completed within 30 days of Notice to Proceed. Their estimated fee is \$2,050.00. Rick will contact Willistown about reimbursement of the cost.

Adjournment

There being no further business, Jack moved to adjourn the meeting. Ed seconded the motion. The motion passed unanimously. The meeting was adjourned at 6:45 pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary