

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**October 13, 2014**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, October 13, 2014 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Jack Yahraes, Kevin Cummings, Dana Pizarro, Ed McAssey and Fran Beck. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), Patrick McKenna (Attorney), Carmen Battavio (Supervisor), Janet Emmanuel (Supervisor), Scott Towler (Big Fish) and Mike Ellis (Pennoni). Special guests: Bob and Judy Adams. Past members present were: Michael Steinberger, Joe Kahn and Dick Beidleman.

**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**

Jack 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 the troops and all veterans. Jack asked if anyone would be recording the meeting and there was no response.

**Special Farewell**

Bob Adams has retired after 40+ years as attorney to the Municipal Authority. Jack thanked him for his many years of service and presented him with a framed copy of the Blacksmith Shop, which is the Township's logo, with signatures on the back of many of the people who were involved with the Municipal Authority. Bob recalled some of the things he was involved with – the original agreement with West Goshen, building of the sewer plant, East Goshen's expansion of the plant and closing of substations to mention a few. He thanked everyone for the thoughtful gift.

**Chairman's Report/Other Members' Reports**

Jack commented that Ed wrote a good article for the newsletter. Jack reported that Bob White's wife thanked East Goshen for mentioning him in our newsletter. He was a West Goshen supervisor for a long time and died as a result of an accident.

**Sewer Reports**

**1. Director of Public Works**

Mark Miller reported for September 2014:

Meters: All meters were read on a daily basis. We were having problems with the portable meters reading negative flows. Allied Control was notified and the problems have been corrected.

CC Collection: All pump stations were visited on a daily basis, no problems to report. We were notified of a lateral clog on Cooper Circle, the trap was plunged which cleared the clog. We inspected two lateral connections on the system: both were located on Manley Road – one required us to have a public works employee on site since they were digging around the Ashbridge force main. We replaced all the manhole castings on Wilson Drive and Morstein Road as part of our paving program. Three of the castings showed signs of inflow. We televised a thousand feet of sewer line on Reservoir Road, there were no problems to report.

RC Collection: The pumping station was visited on a daily basis. We did have a problem at the Hershey Mill Pump Station when a circuit board shorted out. We had a spare board in stock which was changed out and the station was returned to normal operation. We inspected two lateral installations on Cornwallis Drive. The sewer right-of-ways were mowed.

RC Plant: No problems to report.

Lateral Repairs: 404 Barker Drive replaced clean-out and traps.  
903 Fairway found trap and clean-out filled with insulation and foam  
201 Lockwood Lane, new caps.

We also repaired a dozen clean-out pipes on both collection systems.

Alarms: We responded to 18 alarms for the month of August.

PA One Calls: We received 89 PA One calls in August.

Mark added that 2 new permanent meters will be needed next year and they may use solar. All manholes and pipe sizes are listed and color coded on the sewer maps in the new computer system.

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

Mike Ellis gave the following report:

Invoices: Invoices with summaries are provided under separate cover.

Reservoir Rd Pump Station Act 537 Plan: The Act 537 Plan Update was submitted to PADEP on August 25, 2014. PADEP has reviewed the Plan Update and they provided two comments which we are in the process of addressing:

1. We expect to submit revised Plan Update pages to address a project scheduling comment by Oct. 14.
2. The second comment is that U.S. Fish & Wildlife Services (USFWS) approval is required. It is our understanding that Conestoga-Rovers & Associates resubmitted revised plans to USFWS around July 10 to address their bog turtle protection comments at the Chester Creek crossing. We are still awaiting USFWS's formal approval, and we have contacted them again to request a written approval.

Tentative Act 537 Planning schedule:

	<u>Estimated Date</u>
Submission to PADEP	August 25, 2014
Address PADEP Comments	by October 31, 2014
PADEP Review and Approval (120 Days)	December 23, 2014

## Semi-Annual Sewer Status Report

We analyzed permanent and portable meter data for the past six-month period. We met with the Township Manager and PW Director to discuss conclusions and recommendations. We

also met with the meter service company and PW staff at several portable meter manhole locations to observe meter installations, man hole conditions and calibrations. A semi-annual status memo was forwarded to the Township.

### Sewer Ordinance Updates

We prepared proposed revisions to the Building Sewer and Grinder Pump sections of the Township's Sewer Ordinance. We also prepared a new typical building sewer detail. We met with the Township Manager and PW Director to review the proposed revisions. A second set of ordinance revisions was made thereafter and was forwarded to the Township for review, along with an example grinder pump operations and maintenance agreement.

### New Sewer Connections

We received a revised grinder pump plan submission for a proposed house at 610 Reservoir Road that is scheduled for review.

**3. Big Fish Environmental Services** – The following is Scott's report for September 2014: Treatment Process Operation - During August 2014, there were no exceedances of the final effluent discharge limitations for outfall 001 and no discharge from Outfall 002. The monthly average total phosphorus concentration was 0.25 mg/L as compared to the discharge limitation of 0.5 mg/L.

During the month, the final effluent total phosphorus concentration discharged ranged from 0.23 mg/L to 0.27 mg/L with an average of 99 gallons per day of aluminum sulfate solution as compared to the 92 gpd for July.

A total of 4,028,004 gallons, which represented a daily average of 134,267 gpd of treated effluent was discharged to Applebrook, Outfall 002. The influent loadings remained within the treatment facility design loadings. There are no anticipated exceedances of the permitted limitations for the month of September. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results. The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations and loadings. Composite samples are collected at the influent doghouse manhole and influent wet well. The influent flow meter reading is collected from the influent flow meter located prior to the Screening Building, excluding the internal recycle flows.

Sequencing batch reactors (SBRs) 1, 3 and 4 were in service during the months of August and September.

Process monitoring of each SBR included ammonia as N, Nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations decreased slightly during September to as low as 40% coverage of the surface area. Increased sludge wasting rates were maintained to manage the MLSS concentrations and F:M ratio within the desired goals. Aeration time remained at a minimum of 230 minutes to provide for a total of approx. 63% of aeration during the 360 minute treatment cycle. The extended aeration period assists to offset the oxygen demand after extended periods of idle time between treatment cycles.

Daily monitoring of the influent and final effluent 24-hour composites samples for total phosphorus is ongoing. Daily analysis of the final effluent flow equalization grab sample total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing. Addition of aluminum sulfate solution to the SBRs was slightly increased from a daily average of 92 gpd during July to 99 gpd during September to

assist with total phosphorus removal. The aluminum sulfate dosages prior to filtration remained constant during August and September. The increase in alum addition, as well as the increased idle times, resulted in an increase in soda ash addition. During August the soda ash addition average decreased slightly to approx. 435 lbs/day, as compared to 416 lbs/day during July. Soda ash assists towards maintaining pH concentrations above 7.0 standard units continued during the month.

SBR #2 remains out of service as a treatment unit, however, partially filled with MLSS which continuously mixed and aerated.

#### Solids Dewatering and Disposal: September 2014

During August, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.

Sludge holding tank #1 was in service. The level at the beginning of the month was 8.19 ft. and the level at the end of the month was 7.93 feet. The initial total solids concentration was .74% and ended the month as .67% total solids. The average pH concentration was 7.40 S.U. and total alkalinity of 285 mg/L. Zero gallons of supernatant were decanted during the month. A total of 100 lbs. of soda ash were added during the month for pH adjustment.

Sludge holding tank #2 was in service. The level at the beginning of the month was 11.57 ft. and the level at the end was 5.77. The initial total solids concentrations were .69% and ended the month as .68% total solids. The average pH concentration was 7.23 S.U. and total alkalinity of 355 mg/L. A total of 55,440 gallons of supernatant were decanted during the month. A total of 350 pounds of soda ash were added during the month for pH adjustment.

Significant storm/hydraulic Loading Events – None for August 2014.

#### Minor Repairs and Preventive Maintenance

ACS replaced a failed level transducer for the final effluent flow meter.

Scott added that on a Monday evening about 3 weeks ago when Jim was on duty, 6 young men pulled into the lot. There was no incident, but the gate will be closed at night even when someone is working there.

#### Approval of Minutes

Fran moved to accept the minutes of September 8, 2014 as corrected. Dana seconded the motion. The motion passed unanimously.

#### Approval of Invoices

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

- |    |                 |    |        |
|----|-----------------|----|--------|
| a. | Pennoni #607606 | \$ | 141.25 |
| b. | Pennoni #607607 | \$ | 441.25 |
| c. | Pennoni #607608 | \$ | 649.75 |
| d. | Pennoni #607609 | \$ | 75.00  |

Ed seconded the motion. The motion passed unanimously.

2. Kevin moved to approve payment of the Gawthrop invoice #123359 for \$400.00. Fran seconded the motion. The motion passed unanimously.

#### Liaison Reports

Board of Supervisors – Carmen mentioned that they will have a special meeting to review the proposed budget for 2015. The BOS decided that they want a new Comprehensive Plan instead of an update of the current one. Tom Comitta was selected to head the new task force.

### **Financial Reports**

Jon Altshul provided the following report:

The Municipal Authority recorded \$21,730 in revenues (mostly from Tapping Fees from Goshen Meadows) and \$10,306 in expenses in September (mostly from the quarterly administrative chargeback for \$8,043), a difference of +\$11,424. The fund balance is now \$1,607,921.

### **Goals**

Complete

### **New Business**

Pulte – Applebrook Preserve – Rick reported that in April 2013, Pulte dedicated the sewer lines in the Applebrook Preserve to the Authority. At that time, they posted an 18 month maintenance bond. The 18 month period expires this month. Mark televised the sewer lines last fall and everything looked ok. He recently pulled some manholes and did not see any problems. Kevin made a motion to authorize relief of the maintenance bond. Ed seconded the motion. The motion passed unanimously.

2015 Proposed Budget – The proposed budget for 2015 was reviewed. Dana made a motion to approve and submit the proposed budget for 2015. Fran seconded the motion. The motion passed unanimously.

### **Adjournment**

There being no further business, Kevin moved to adjourn the meeting. Dana seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:00 pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary