

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
September 9, 2013**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, September 9, 2013 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Fran Beck, Dana Pizarro, Ed McAssey, Jack Yahraes, & Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Scott Towler (BFES), Bob Adams (Atty), Mike Ellis (Pennoni) and Carmen Battavio (Township Supervisor).

**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>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>

**Call to Order & Pledge of Allegiance**

Fran 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. Fran asked if anyone would be recording the meeting and there was no response.

**Resolution #32**

Jack moved to authorize adoption of Resolution #32 for the issuance of \$2,500,000. Guaranteed sewer revenue notes. Kevin seconded the motion. Dana does not agree with the drop in sewer rates that was done in April. He feels a sinking fund should have been created. Rick commented that there is a sinking fund. He also mentioned that the money should be available in October and the interest rate will be locked in as soon as possible. The motion passed by a vote of 4 yes and 1 no (Dana).

Jack moved to authorize execution of the loan documents. Ed seconded the motion. The motion passed by a vote of 4 yes and 1 no (Dana).

**Chairman’s Report/Other Member’s Reports**

1. Ed attended the West Goshen meeting. They discussed Goose Creek.
2. Dana attended the PMAA meeting. All of the pending House bills are in the front section of the flyer.

**Approval of Minutes**

The Chairman noted that the minutes of the August 12, 2013 meeting were approved as corrected.

**Approval of Invoices**

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

- |    |                 |             |
|----|-----------------|-------------|
| a. | Pennoni #559122 | \$ 553.75   |
| b. | Pennoni #559123 | \$ 1,160.25 |
| c. | Pennoni #559124 | \$ 607.50   |
| d. | Pennoni #559125 | \$ 868.75   |

Jack seconded the motion. Carmen asked about the item on Invoice #559122 for \$393.75. Mike explained this was the fee to assist with the bid for Hershey Mill Diversion.

### **Liaison Reports**

1. BOS – Carmen reported that West Goshen approached the BOS about merging with the WEGO regional police force. Carmen stressed that this is in the “looking only” stage. A committee was formed to see if it is viable.

### **Financial Reports**

Jon Altshul’s report - The Municipal Authority recorded \$79,036.94 in expenses and \$70,006.55 in revenues in August, a difference of -\$9,030.39. The fund balance is now \$60,760.41. Hershey Mill Pump Station and Marydell Pump Station construction accounted for the majority of the monthly expenses. A complete list of all monthly expenses is provided.

Please also note that at its September 3<sup>rd</sup> meeting, the BOS passed an ordinance to guarantee \$2.5 million in Municipal Authority debt issued through the Delaware Valley Regional Finance Authority for the various diversion projects, including the upcoming Reservoir Road project. Based on the current rate on 20-year DelVal notes of roughly 3.1%, we expect that sewer rates will need to increase by approximately \$0.51/thousand gallons to pay for associated debt service. A copy of the Municipal Authority resolution authorizing the notes, as well as the loan commitment and the resolution certification, are provided.

### **Goals**

Newsletter article due by December 1 – Kevin will provide an article about storm water.

### **New Business**

General Engineering Budget - Mike Ellis, Pennoni, explained that additional budget will be needed for the General Engineering task (Pennoni project #EGMA1301) to cover general engineering work for the remainder of 2013. As of September 4, 2013, there is \$437 remaining in that budget (\$9,563 of \$10,000 has been utilized). The reason we are approaching budget on this activity with 4 months remaining in the year is that the work on the Reservoir Road Cost Estimate Update and the follow-up DEP Task Activity Report was charged to this activity as directed. That work totaled approximately \$3,000.00. Therefore, Pennoni is requesting an additional \$3,000 be added to the General Engineering budget to cover attendance at MA meetings, preparation of Engineer’s Reports, and other limited general engineering tasks through the remainder of 2013.

Dana moved to amend the General Engineering Budget and authorize \$3,000.00 be added to the budget. Jack seconded the motion. The motion passed unanimously.

## **Capacity Requests**

Sunny Ridge Farms, 4 lot subdivision on Colonial Lane – A request was received from John Mullin, P.E. on behalf of his client Sunny Ridge Farms, to tie a total of 3 new EDU's into the sewer system. Jack moved to approve this request. Kevin seconded the motion. The motion passed unanimously.

## **Sewer Reports**

**1. Mark Miller, Director of Public Works** - Rick reviewed the following report for August 2013:

Meters: Meters were read on a daily basis. No problems to report.

Pump Stations: Were visited on a daily basis. MGK was utilized to remove the piping on the Force Main and installed new 90 and an air release valve.

C.C. Collection: We installed a Muffin Monster at the Hershey Mill Pump Station.

R.C. Collection: No problems to report

R.C. Plant: No problems to report

Alarms: We received a total of 25 alarms in August.

PA One Calls: We received 70 PA One calls for August.

Jack commented that the paving in Pin Oaks and on Ellis Lane was very well done.

**2. Pennoni** – Mike Ellis gave the following report for August:

RCSTP – Pennoni continues to provide operations assistance as needed. No issues were brought to our attention in August.

Marydell PS Elimination – The project is complete and final payment was made.

Hershey's Mill PS Diversion – The project is 100% complete. We have been coordinating with the contractor to revise final payroll certifications. Revised certifications were submitted which we will review by Sept 9.

Reserve PS Elimination – We issued Notice to Proceed with Construction effective August 14. The contract duration is 90 days so the contract completion date is Nov. 11. The contractor intends to begin construction on Sept 9, and we project 4-6 weeks for completion.

We performed pre-construction tasks including attending a pre-construction meeting on-site, reviewing a partial submission of shop drawings, notifying Chester County Conservation District of the work, preparing a CAD file and survey data for the contractor's construction layout, and issuing a project contact list. Additional shop drawings have been submitted and are currently under review. We will perform construction observation once the work begins.

Reservoir Road Pump Station – PADEP approved the Act 537 "Plan of Study and Task-Activity Report" and added the project to their list for Act 537 reimbursement grant funding. Currently there is no funding for grants, but we are on the list.

Debt Issuance Certification – We reviewed the self-liquidating debt certification requirements from the lender that is required to be provided by the Engineer for the proposed \$2.5 million borrowing including reviewing and commenting on the Authority's 20-year budget projections. We expect to issue the certification by Sept 9.

Hershey's Mill PS Muffin Monster – We coordinated with the supplier to perform an upcoming start-up inspection of the Muffin Monster upon completion of the installation by the Township. Everything is functioning properly.

Semi-Annual I/I Report – We received data from portable meters throughout the Chester Creek Collection System, and began analysis of the flows. We also began preparation of the semi-

annual report. The report will be completed and submitted before the October Municipal Authority meeting.

**3. Big Fish Environmental Services** – The following is a summary of Scott's report:

Treatment Process Operation- During July 2013 there were no exceedances of the final effluent discharge limitations for outfall 001 and outfall 002. The monthly average total phosphorus concentration was 0.46mg/L as compared to the discharge limitation of 0.5 mg/L. During the month, the final effluent total phosphorus concentration discharged ranged from 0.26 to 0.67 mg/L. Flow to Applebrook, outfall 002 continued during July and August.

During the Month of August 2013, there are no anticipated exceedances of the permit limitation for outfall 001 and 002. The CBOD5 and TSS final effluent concentrations were elevated as the result of a significant storm resulting in the instantaneous flows exceeding 3 times the average daily hydraulic design loading. The final effluent clarity remained very good during the storm event with no solids loss or carryover due to filled settle or filled decant events. Transfer of treated effluent to the Applebrook Golf Course continued during August through the 26<sup>th</sup>. The pump was removed from service due to troubleshooting. The pump is planned to be returned to service during September. During August the average daily for outfall 002 was 147,015 gallons per day.

SBRs 1, 3 and 4 were in service during the month of August. SBR 2 was placed in service on August 13<sup>th</sup> as a storage tank for diverting excess influent flows to the in service SBRs to prevent and reduce the frequency of filled settle and filled decants events.

Process monitoring of each SBR included ammonia as N, nitrite as N, nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations remained around the same concentration as during March. Present surface area coverage during React Phase ranges from approx. 50 to 80%. The foam remains as light to medium brown in color and averages 2 to 4 inches in depth.

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 of total phosphorus is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs was increased at beginning of August as total phosphorus concentrations in the SBRs at the end of the React Phase were observed to increase.

SBR 2 remains out of service as a treatment unit. The tank was partially filled during the storm event. Transfer of the contents and cleaning of the SBR is planned for late September/early October to reduce energy costs.

During the month 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 14.47 feet and the level at the end of the month was 10.25 feet. The initial total solids concentration was 0.64% and ended the month as 1.02% total solids. 185,150 gallons of supernatant was decanted during the month. A total of 400 pounds of soda ash was added during the month for pH adjustment.

Sludge holding tank #2 was in service. The level at the beginning of the month was 9.37 feet and the level at the end of the month was 11.44 feet. The initial total solids concentration was 0.79% and ended the month as 0.62% total solids. No supernatant was decanted during the month. A total of 1,100 pounds of soda ash was added during the month for pH adjustment.

**Significant Storm Events** – As previously described, on August 13, 2013 a significant storm resulting in several inches of rainfall within a period of approx. 6 hrs. contributed to significant flow rates and volumes to the SBR treatment process. The treatment process was placed in manual operation to manage the influent flow to prevent solids loss or carryover from filled settle and filled decant events.

No repairs or preventative maintenance activities were performed during August 2013.

**Any Other Matter**

A proposal from Pennoni for Professional Services was received after the agenda was printed. The proposal is for the surveying and Act 537 planning services required by PADEP for the proposed Reservoir Road Pump Station. The total estimated fee is \$77,400.00. Mike explained the process. Jack moved to approve the proposal. Dana seconded the motion. The motion passed unanimously.

**Adjournment**

There being no further business, Jack 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