

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**January 14, 2013**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, January 14, 2013 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Vice Chairman Fran Beck, Jack Yahraes, Kevin Cummings and new member Ed McAssey. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Supervisor), Bob Adams (MA Solicitor), Mike Ellis (Pennoni), Scott Towler (BFES), Walter Wujcik (Conservancy Board) and Erich Meyer (Park & Recreation Commission).

**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 – Lochwood Chase Sewer Treatment Plant</i>	<i>WAS – Waste Activated Sludge</i>

**Call to Order & Pledge of Allegiance**

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

**Reorganization**

Dana made a motion to adjust the positions to following for 2013:

Fran Beck – Chairman  
Jack Yahraes – Vice Chairman  
Kevin Cummings – Secretary  
Dana Pizarro – Treasurer  
Ed McAssey – Asst. Sec/Treas

Jack seconded the motion. The motion passed unanimously.

**Chairman’s Report**

1. Jack attended the West Goshen Sewer Authority meeting last week. They met with the Federal Court Judge who allowed everything they presented.

**Approval of Minutes**

The Chairman noted that the minutes of the December 10, 2012 meeting were approved as corrected.

**Approval of Invoices**

1. Kevin moved to approve payment of 4 Pennoni invoices:

#530360	\$4,094.25
#530361	\$5,493.75

#530362	\$3,264.75
#530363	\$ 511.50

Jack seconded the motion. The motion passed unanimously.

2. Kevin moved to approve payment of the Gawthrop Greenwood invoice #104980 for \$3,289.10. Jack seconded the motion. The motion passed unanimously.

Kevin commented that all invoices were reviewed and initialed by the Township Manager. Jack appreciates the amount remaining on project invoices from Pennoni.

**Liaison Reports**

1. Conservancy Board – Walter reported the Board has a new member Rachael Burgos. They are getting ready to plant the trees along E. Boot Road near the Plank House.

**Financial Reports**

1. Jon Altshul, CFO, provided reports with the following comment: The Municipal Authority recorded \$50,003.96 in revenues and \$47,395.59 in expenses for the month of December, for a surplus of \$2,608.37. For the year, the Authority had \$527,133.12 in revenues and \$503,858.19 in expenses for a surplus of \$23,274.93. The preliminary, unaudited fund balance was \$61,884.42 as of December 31, 2012.

Note that in addition to the quarterly chargeback for administrative wages (\$8,391.94), we also charged back \$1,482.40 in December from the Township’s General Fund to the Municipal Authority for labor and equipment costs related to the Lockwood elimination project.

Mark commented that the Lockwood closing costs were to take down the building. Fence removal and seeding still needs to be done. Jack moved to reimburse the Township \$1,482.40. Dana seconded the motion. The motion passed unanimously.

**Old Business**

None

**Goals**

1. The members reviewed the goals for 2013 and added #5 – Continue to operate Ridley within permit requirements. Jack will provide the first newsletter article and Ed will attend the first West Goshen quarterly meeting in March.

**New Business**

1. Mark Miller requested approval to replace three of the flow meters; two on the C.C. Collection system and one on the C.C. Interceptor. These 3 in question have been in service for 17 years. The problem they have is getting replacement parts. They have been taking parts from old meters for repairs. The meters have been fully depreciated in the sinking fund. The price for the meters includes an optional data logger to allow storage of flow trends which can be downloaded to a flash drive. The cost breakdown follows:

Ellis Lane Meter	\$5,235.00
Hicks Meter	\$5,265.00
(Interceptor Line)	
Paoli Pike	\$5,135.00
<b>Total Cost =</b>	<b>\$15,635.00</b>

Jack made a motion to approve this request for 3 replacement meters at a cost of \$15,635.00. Kevin seconded the motion. The motion passed unanimously.

2. Easements – Rick reported that there are three sewer easements for the Reserve Pump Station Project that need to be obtained:

a. The Reserve at Spring Meadows HOA – An appraisal was performed that indicated the 6,815 sq. ft. easement through their open space was valued at \$1,365 or \$0.20 per sq. ft. The easement had to be moved slightly in order to ensure that it would not adversely affect some trees on the Schroder property. This increased the area of the easement to 7,235 sq. ft. The appraiser advised that the \$0.20 sq. ft. could be used for the larger area. Rick proposes to go back to the HOA with an offer of \$1,455.

b. Schroeder – An appraisal was performed that indicated that the easement is valued at \$1,000. Rick also indicated to the property owner that the Authority would provide him with a connection (lateral stub) and waive the tapping fee (\$2,000) if and when he connects. Since we are going above what the appraised value is by waiving the tapping fee (the connection would have to be provided in any event), Rick would like the concurrence of the Authority.

c. Willow Pond HOA – As appraisal was performed that indicated that the easement that goes through their open space is valued at \$150. The president of the HOA advised Rick that they would accept \$1,000 for the easement and that the HOA needed to be indemnified. Rick discussed the matter with Bob Adams who advised that it would cost a lot more the \$1,000 to condemn the easement. The indemnification is not a problem. Since we are going above what the appraised value is, Rick would like to have the concurrence of the Authority.

Dana made a motion to approve providing a connection to John Schroeder and waive the tapping fee and approve compensation in the amount of \$1,000 for the Willow Pond easement and that the Chairman is authorized to execute the easements for The Reserve, Schroder and Willow Pond. Jack seconded the motion. Carmen mentioned that there has been discussion about increasing tapping fees. Bob will make sure he knows it is the current tapping fee. The motion passed unanimously.

3. Pennoni presented proposals for the construction phase services associated with the Marydell Pump Station Diversion and the Hershey's Mill Pump Station force main diversion at a cost of \$20,000.00 each. Kevin moved to approve both proposals at \$20,000 each. Dana seconded the motion. The motion passed unanimously.

### **Capacity Requests**

None

### **Sewer Reports**

1. **Mark Miller, Director of Public Works**, provided the following report for December:

Meters – The meters were calibrated on January 3, 2012. No adjustments were needed.  
CC Collection: All pump stations were visited on a daily basis, bar screens were cleaned. We had some problems over the holiday with Ashbridge Pumping Station with the backup floats. We replaced the transducer and the station was put back in service. We had several alarms during the heavy rain event. The equipment has started to arrive for the Muffin Monster.

RC Collection: The pumping station was visited on a routine basis. We were notified of a sewer problem at 928 Monte Vista Drive. When we arrived we found the cleanout by the house was overflowing. After making several attempts to clear the pipe we could not clear the blockage. An emergency PA One Call was made and once the utilities were cleared we began digging between the main and clean-out. We found the tee was all but gone. The stack pipe had a huge hole in it (see pictures). We replaced the tee and about 20' of pipe.

RC Plant: We had to make repairs to the utility water system. We also found the meter pit full of water which we pumped out. Mark is working with Lenni Electric to install an alarm in the pit when the pump fails.

We are gathering data for the portable meters on a weekly basis

PA One Calls: We received 68 PA One calls for the month of December.

Mark has asked Allied Control to give him a price to replace the Paoli Pike and Ellis Lane meter. These 2 meters are the original ones and getting parts for them is very difficult. The monies would come from the Sinking Fund. We are currently gathering GPS information for the collection system.

2. **Pennoni:** Mike Ellis reviewed the engineer's report provided by Dan Barbato, Pennoni:

Invoices: Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP) – Pennoni continues to coordinate with the Plant Operator and will provide operations assistance as needed. We provided specifications for a new Alum feed pump and the pump was ordered.

Marydell PS Elimination - We conducted a non-mandatory pre-bid meeting on December 19, 2012. Six contractors attended. We prepared and issued Addenda #1, #2 and #3 as follows:

Addendum #1 provided prevailing wage rates and minor plan and specification revisions.

Addendum #2 extended the bid deadline to February 5, 2013 at 10:00 am to provide time to respond to contractor's questions and requests for information.

Addendum #3 provided responses to contractor's questions from the pre-bid meeting, a re-design of the proposed sewer adjacent to the pump station and a new Bid Form with revised quantities and bid items.

Following the pre-bid meeting, we submitted a new PA One Call ticket and are coordinating with utility owners to verify any specific requirements they may have for the various proposed utility crossings.

The intent is to award the project at the Authority meeting on February 11, 2013. Construction would likely begin in mid to late March, and the contract duration is 120 days.

Hershey's Mill PS Diversion – We finalized the plans and specifications and solicited the project on PennBID on January 9, 2013. A non-mandatory pre-bid meeting is scheduled

for January 23, 2013 at 10:00 am at the Township building. Bids are due February 5, 2013 at 2:00 pm with the intent to award the project at the Authority meeting on February 11, 2013. Construction would likely begin in mid to late March, and the contract duration is 120 days.

The Township has scheduled three soil borings to be performed along the proposed sewer alignment on January 28, 2013. A Pennoni geotechnical engineer will observe the borings, categorize soils, and prepare boring logs. We intend to issue the boring logs as an addendum by January 31, 2013 for use by directional drillers in bidding.

Reserve PS Elimination – We are coordinating with the Township to perform borings along the Reserve PS sewer alignment to identify any rock outcroppings. No boring logs or soil classifications are required for these borings. The bid documents will be finalized following the borings.

The GP-5”Utility Line Stream Crossing” permit does not allow any construction between March 1 and June 15 because the Ridley Creek tributary that will be crossed is a protected water use for trout stocking. We tentatively propose to put the project out to bid in March, with bids due in late April and early May, award on May 13, 2013, with construction to begin in early to mid-June. The contract duration will be 120 days. This schedule would comply with the permit restrictions and avoid conflicts with the other two projects.

#### Hershey’s Mill Muffin Monster

We received shop drawings from the Muffin Monster manufacturer and we provided marked-up shop drawings and comments to the township. The manufacturer has responded that they will comply with all comments. The supplier has projected 90 days to manufacture and deliver the equipment to the Township.

3. **Big Fish Environmental Services, Inc.**, Scott Towler presented a written report. The following is a summary:

#### Treatment Process Operation

During November, there were no exceedances of the final effluent discharge limitations for outfall 001. There was no discharge from outfall 002. The monthly average total phosphorus concentration was reported as 0.42 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 0.16 mg/L to 0.93 mg/L.

During December, the anticipated monthly average total phosphorus concentration is 0.20 mg/L. The total phosphorus concentration discharged ranged from <0.10 mg/L to 0.38 mg/L.

SBRs #1, #3, and #4 were in service during the month of November. Process monitoring of each SBR included ammonia as N, nitrite as N, COD, SSV, MLSS and total phosphorus. Microscopic examinations and physical observation of the SBR MLSS and foam color is ongoing. Adjustments to increase the F:M ratio for each SBR was successful towards improving settleability, reduction in solids loss through the SBR effluent and reduction of foam.

Daily monitoring of the influent and final effluent 24-hour composites samples versus grab samples for total phosphorus is ongoing. Daily analysis of the sample for total phosphorus is continuing.

Addition of aluminum to the SBRs to assist with phosphorus removal continued. The volume of alum addition to the SBRs was gradually decreased during the month while maintaining compliance with the discharge limitation for total phosphorus.

SBR #2 remains out of service. Approximately 5 feet of clear water manually decanted from SBR #2. The contents are mixed and are aerated. Transfer of additional volume to the sludge holding tanks is planned for January and February.

Process Monitoring On-Line Instrumentation: Kershner Technologies was contacted to arrange for a pilot study utilizing the ChemScan phosphate analyzer. An onsite meeting to review the installation of the demo unit has been scheduled for January 16, 2013 at 8:30 am.

A LMI diaphragm pump was purchased for use to provide alum to the floc tank prior to filtration. Installation of the pump is scheduled for the week of January 1<sup>st</sup>.

Solids Dewatering and Disposal: December 2012: During the month, the centrifuge dewatering system was placed in service. Sludge dewatered was 214,638 gallons. 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 recorded as 13.50 feet and the level at the end of the month was 10.81 feet. The initial total solids concentration was 0.73% and ended the month as 1.18% total solids. A total of 118,125 gallons of supernatant was decanted during the month.

Sludge holding tank #2 was in service. The level at the beginning of the month was recorded at 7.87 feet and the level at the end of the month was 8.09 feet. The initial total solids concentration was 0.81% and ended the month as 0.69% total solids. No supernatant was decanted. Sludge was removed for dewatering through the centrifuge.

Significant Storm Events: During December there were 2 significant rainfall events contributing to excessive influent wastewater flows to the treatment facility. The events occurred on December 21 and 26. On December 21, the influent flow to the SBRs is estimated as greater than 100% of the daily average hydraulic design capacity from 4:03 am through 11:20 am. On December 26, the influent flow to the SBRs is estimated as greater than 100% of the daily average hydraulic design capacity from 15:46 pm through 11:50 pm. The treatment process experience filled settle and filled decants, however, the final effluent composite sample was satisfactory.

Minor Repairs and Preventative Maintenance:

The utility water 1-inch PVC valve to the fine screen failed and required replacement. Parts are on order and scheduled replacement is during the week of Jan 1<sup>st</sup>.

The influent composite sampler controller was returned to Hach Co. for repair. The price for the sample controller was received and a purchase order issued on Jan. 2, 2013.

The analog hour meter on the Siemens panel for SBR1 motive pump failed.

SBR1 and 2 1-inch PVC Hayward PVC ball valves are leaking alum. Tightening the valves has not solved the problem. It is recommended to replace the ball valves with an o-ring material compatible with the low pH/corrosive nature of alum.

Replacements of exterior wall mounted light ballast are planned.

ACS was contacted to schedule repair of the influent flow chart recorder.

ACS was contacted to provide a flow meter signal cable to connect the new influent “field” flow meter to the influent sampler located at the doghouse manhole to provide for flow proportioned sample collection of the influent wastewater.

Scott reported that as of today, they are still in compliance with Phosphorus. Also, Dave Wolfinger came to see the plant on January 4, 2013. He was pleased.

Dana asked about the SBR motive pumps. Scott commented that Flygt Co. wouldn't use the hoist we had available.

Scott mentioned that a ChemScan unit would cost about \$13,000.00.

**Any Other Matter**

None

**Correspondence**

None

**Adjournment**

There being no further business, Jack moved to adjourn the meeting. Kevin seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:30pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary