

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
August 13, 2012**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, August 13, 2012 at 7:00pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Vice Chairman Fran Beck, Jack Yahraes and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Dan Barbato (Pennoni), Bob Adams, Scott Towler (BFES), and Walter Wujick (Conservancy Board).

**COMMON ACRONYMS:**

<i>MA - Municipal Authority</i>	<i>I&amp;I - Inflow &amp; Infiltration</i>
<i>HC - Historical Commission</i>	<i>RCSTP - Ridley Creek Sewer Treatment Plant</i>
<i>PC - Planning Commission</i>	<i>LCSTP - Lochwood Chase Sewer Treatment Plant</i>
<i>CB - Conservancy Board</i>	<i>DEP - Department of Environmental Protection</i>
<i>PR - Park &amp; Recreation Board</i>	<i>EPA - Environmental protection Agency</i>
<i>BOS - Board of Supervisors</i>	<i>NPDES - National Pollutant Discharge Elimination System</i>
<i>SSO - Sanitary System Overflow</i>	<i>WAS - Waste Activated Sludge</i>

**Call to Order & Pledge of Allegiance**

Dana called the meeting to order at 7:00pm 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.

**Chairman's Report**

Dana will attend the PMAA meeting this month.  
Dana was at a meeting in Harrisburg and saw Lee McDonnell who said there are no proposed changes in DEP nutrient removal criteria for SEPA for now.  
Dana submitted an article for the Fall Newsletter.

**Approval of Minutes**

The Chairman noted that the minutes of the July 9, 2012 meeting were approved as corrected.

**Approval of Invoices**

Fran moved to approve payment of Pennoni invoices:

#514183	\$ 5,848.50
#514184	\$ 2,976.25
#514185	\$ 670.50
#514186	\$ 2,283.75
#514187	\$ 1,441.50

Jack seconded the motion. The motion passed unanimously.  
Dan verified that the construction phase for Lockwood is done.

Fran moved to approve payment of Gawthrop Greenwood invoice:

#100917	\$ 475.00
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Rick verified that invoice #100326 for \$684 was already approved.  
Jack seconded the motion. The motion passed unanimously.

Rick presented an invoice dated August 13, 2012 for reimbursement of the Township staff's time at Lockwood for \$43,397.75 for the time period 7/1/12 to 8/12/12. He pointed out that if the Public Works Dept. did not do this work, it would have cost \$112,000. Fran moved to approve payment. Jack seconded the motion. The motion passed unanimously.

### **Liaison Reports**

1. Conservancy Board – Walter reported that the Board has a new member, Bill Coffey. The Board of Supervisors approved the name of Clymer's Woods for the reforested area in Applebrook. On July 31, 2012, the Board and some residents walked the Goshen Meadows site. They met with the contractor who currently sprays for invasives to discuss expanding this area.

### **Financial Reports**

1. Jon Altshul, CFO, provided reports in a new format that the Authority members found easier to understand.

### **Old Business**

1. A letter from the DEP to Goshen Meadows listing the items they need to submit was reviewed.
2. Saturday October 20, 2012 will be the tour of the Ridley Creek Sewer Treatment Plant from 10:00 am to 12:00 noon. Jack suggested a handout be designed. Scott will make posters. Rick suggested making a tape and put it on the website. Employees need to be there for safety reasons.

### **Goals**

1. Newsletter – Joe will do an article for the next Newsletter.
2. Dana will attend the September meeting at West Goshen.

### **New Business**

None

### **Capacity Requests**

None

### **Sewer Reports**

1. Mark Miller, Director of Public Works, provided the following written report for July: Lockwood: About 90% of the closure of the Lockwood Plant is completed. They raked and seeded and laid down straw on the disturbed areas. As a matter of fact, the grass has started to come up. Mark is happy to report that the only hauling costs were for the fill dirt they stock piled at the Milltown yard. He was able to contact several contractors including Lyons & Hohl, Inc., who hauled in fill from two of the sites, approx. 25,000 yards. If the Township would have had to pay the hauling costs, it would have been \$112,000.00. The Public Works employees did an excellent job as the bulk of the work was done during those hot and humid days.

Meters: Have been read on a daily basis. The meter on Paoli Pike appears to have been struck by lightning. Mark contacted the insurance company to see if a claim can be filed.

C.C. Collection: Pumping Stations have been visited on a daily basis. They had to do some repair work at the Barkway Pump Station because they received alarms for a pump failure. They found that pump 2 sheared the impeller shaft. When they pulled the pump, they also found problems with the new style elbow. It would not fit the connection. They had to take the equipment back to the shop and fabricate a new elbow. They also drilled and tapped the force main and installed pressure gauges. By doing so, it now allows them to get an actual pressure reading on each pump. Mark met John Laidley at the station to discuss the discharge pressure on the pumps. Because Mark didn't like the pump down time after reviewing the pump curve, they decided to increase the impeller size to 10". After doing so, they increased the gpm (gallons per minute). Pump 1 was pulled and the impeller was changed. Also, the station was put back on line and is working very well.

They located the utilities on Paoli Pike for the Marydell Pump Station abandonment. Shainline Excavation used their Vac Truck to locate the lines rather than using a backhoe.

R.C. Collection: The pumping station was visited on a routine basis. They found the automatic dialer died. John Laidly checked it out and recommended that the unit be replaced as the original dialer had 30 years of service. A new unit was installed August 8, 2012.

Ridley Creek Plant: The new flow meter was delivered last week. Once they complete the Lockwood Closure, they will get it installed.

The Township was notified of six sewer lateral backups. They were able to clear all of them.

PA-One Calls: 168 calls were made in July.

2. Dan Barbato, Pennoni, provided the engineer's report:

Invoices: Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP) – No activity this period. We will assist with supporting and reviewing warranty claims, plant troubleshooting and operations support as requested.

LCSTP Elimination

Existing sewers and manholes to be abandoned in-place were filled with flowable fill material. The contractor's only remaining work at the time of this report is preparation of as-built plans and to install lot pins at two property corners between 920 and 922 Dolphin Drive.

We performed on-site, part-time construction inspection services during the flowable fill work. We have also provided in-office construction support to coordinate completion of the punchlist items.

We have requested the contractor complete the remaining work, submit a final payment request, and submit contract closeout documents prior to the August 13<sup>th</sup> Authority meeting.

### Hershey's Mill PS Diversion and Reserve PS Elimination

We submitted the Reserve PS and the Hershey's Mill PS GP-5 "General Permit for Utility Line Stream Crossing" application to DEP on June 27 and June 22 respectively, and we are awaiting DEP's answer.

We made Erosion and Sedimentation Pollution Control Plan submissions for both projects to the Chester Co Conservation District on Friday July 6<sup>th</sup>, and we are awaiting CCCD's review.

We are finalizing the Closure Plan for the Reserve PS and the Part 2 WQM Permit Amendment for the Hershey's Mill PS, and will make both submissions to DEP within the next two weeks.

We have begun to prepare four (4) sanitary sewer easement legal descriptions and exhibits for both diversions projects – one (1) for the Hershey's Mill PS and three (3) for the Reserve PS.

### Marydell PS Elimination

We observed the soft-dig exploratory test pits along the shoulder of Paoli Pike to determine the exact location and depth of Verizon's communication ductbank and if a gas anode line exists. The gas anode line was not found and the Verizon ductbank is in a location that will allow for installation of the sanitary sewer along the shoulder, while still maintaining four (4) feet between PECO's overhead utility poles and the edge of trenches.

We revised the design plans to route the sanitary sewer under the shoulder of Paoli Pike. It was previously designed in the lawn on the shopping center side of the utility poles. A small additional easement will be required from the shopping center for this revised sewer route, and we will prepare an easement legal description and exhibit if/when the shopping center owner and Township work out terms of the easement.

We finalized and submitted the Pump Station Closure Plan to DEP on July 31 and are awaiting DEP's answer.

We also prepared a Highway Occupancy Permit application for the sewer construction and expect to submit it to PennDOT by August 7<sup>th</sup>. The application proposes a jack & bore (trenchless) installation across Boot Road and open-cut trenching for the remainder of the work. The Paoli Pike crossing at Saratoga Drive is proposed to occur at night with a full road closure and detour, not to exceed three (3) consecutive nights.

### Hershey's Mill PS Muffin Monster

We completed a draft design and conducted field meetings with the Muffin Monster supplier and Public Works to review the concept, identify electrical needs and equipment locations, and determine who will perform the construction. It was agreed that Pennoni will prepare final mechanical and electrical plans (no specifications or Bid documents) and coordinate with the supplier to obtain purchase order pricing. The Township/Authority will then purchase the equipment directly from the supplier, and the Public works Department will perform the installation.

We have since finalized the mechanical and electrical plans and are preparing a submission to DEP to notify them of the Muffin Monster installation. DEP has previously advised us that a formal pump station permit amendment is not required.

### 2011 Chapter 94 Reports

DEP provided review comments on the Westtown Chapter 94 Report requesting additional information about the sewer system condition, maintenance, and rehabilitation. We are preparing a brief response letter that we expect to submit to DEP by August 17<sup>th</sup>. DEP previously provided a letter approving the Ridley Creek STP Chapter 94 Report. They have not yet provided any comments on the West Goshen or Lockwood Chase STP Chapter 94 Reports.

3. Big Fish Environmental Services, Inc., Scott Towler presented the following:

#### Treatment Process Operation

Sequencing batch reactors (SBRs) numbered 1, 3, & 4 were in service during the month of July. SBR No. 2 remains out of service with approximately a mixture of 1 foot of sludge and rainwater within the tank.

During the month of June, there was one exceedance of the permitted effluent limitation for total phosphorus. Table 1 provides the June and July (partial) influent total phosphorus mass loading data. On site analysis of split, samples with the certified contract laboratory are on-going.

Adjustments to the SBR process during July include lowering the mixed liquor concentration (MLSS), reduce the sludge age and increase the food to mass ratio (F:M ratio) to eliminate favorable conditions for the filamentous bacteria *Miclothrix parvicella*. A noticeable reduction in the amount of foam covering the surface area of the SBRs was observed in the React phase with aeration and mixing. Reduction of the MLSS and sludge adversely affected biological phosphorous concentration. Final effluent phosphorus concentrations in the SBR effluent ranged from 2 to 4 mg/L.

Process adjustments during the last week of July and early August resulted in Lowering the SBR phosphorus concentrations, which resulted in lowering the alum feed rate. At the time of this report, no phosphorus data for final effluent samples collected during August are available.

#### Solids Dewatering and Disposal

The centrifuge dewatering system was placed in service during the month of July. During the month, sludge wasting and decanting of the sludge holding tanks was ongoing. A total volume of 265,650 gallons of supernatant was decanted from the sludge holding tanks. pH and alkalinity were monitored on average twice per week and total solids once per week.

Sludge holding tank No. 1 began the month as 0.93% total solids and ended the month at 0.94% total solids.

Sludge holding tank No.2 began the month as 0.87% total solids and ended the month at 1.08% total solids.

#### Maintenance, Repairs and Warranty

Outstanding: Centrifuge replacement parts Worth & Co to replace parts used for warranty repair. ACTION: BFESI will provide Worth & Co a letter requesting resolution of the matter on or before October 1, 2012.

Outstanding: SBR and Centrifuge MCC panel hour meters – Worth & Co. informed. ACTION: Pennoni Associates/Township to provide Worth & Co. a copy of the short circuit study completed by Clinger Corp.

Outstanding: SBR No. 4 Alum valve fails to open. ACTION: Found a loose relay and the valve is functioning as intended.

Outstanding: Screen Building overhead door. ACTION: Worth & Co will be contacted to investigate the malfunctioning door.

Scheduled Maintenance/Repairs

Greased the bearings for the sludge holding tank and final effluent EQ tank blowers.

Removed the alum chemical feed line from the static mixer for cleaning.

Generators were serviced on August 13<sup>th</sup>.

**Any Other Matter**

1. Rick commented that the Township negotiated a contract with Scott Towler/Big Fish Environmental to continue operating the Ridley Creek Sewer Plant.

**Correspondence and Reports of Interest** – Dana acknowledged correspondence that was received.

**Public Comment** – None

**Adjournment**

There being no further business, Jack moved to adjourn the meeting. Fran seconded the motion. The motion passed unanimously. The meeting was adjourned at 7:45pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary