

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**April 8, 2013**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, April 8, 2013 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Fran Beck, Jack Yahraes, Dana Pizarro, Ed McAssey and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), Bob Adams, (Solicitor), Dan Barbato (Pennoni), Scott Towler (BFES), and Walter Wujcik (Conservancy Board).

**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**

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.

**New Business**

Allison Zaro, attorney and representative for Pulte Homes, reported that a check and the easement agreement for the Pulte development at Applebrook were provided. Rick verified that he received the check for the cash escrow and the agreement. Jack moved that the Authority authorize the execution of the easement agreement and the security agreement for the sewer lines in the Pulte Development at Applebrook. Kevin seconded the motion. The motion passed unanimously.

**Chairman's Report**

Ed reported that he attended the West Goshen Authority meeting last week. Things are a little more positive. West Goshen, EPA and Justice Department are talking. Rick spoke with Dr. White who verified that they did meet with the DEP and agreed to .8. They have 5 years to reach this and there will be new testing of the creek.

**Approval of Minutes**

The Chairman noted that the minutes of the March 11, 2013 meeting were approved as corrected.

**Approval of Invoices**

1. Jack moved to approve payment of 7 Pennoni invoices:

#540995	\$2,026.50
#540996	\$ 535.25
#540997	\$ 497.50

#540998	\$ 752.00
#540999	\$4,995.75
#541000	\$2,580.50
#541001	\$6,327.75

Dana seconded the motion. The motion passed unanimously.

2. Dana moved to approve payment of the Gawthrop, Greenwood invoice #107114 for \$1,661.12. Jack seconded the motion. The motion passed unanimously.
3. Kevin moved to approve payment of the Big Fish Environmental Ser. Invoice #13-040130-2 for \$11,825. Ed seconded the motion. The motion passed unanimously.
4. Kevin moved to approve payment of the Lochwood Plant closure labor costs totaling \$1,894.91. Dana seconded the motion. The motion passed unanimously.
5. Dana moved to approve payment of the Plymar Invoice, for the Marydell diversion, in the amount of \$20,700. Kevin seconded the motion. The motion passed unanimously.

### **Liaison Reports**

1. Conservancy Board – Walter reported that the dogwood trees were planted along E. Boot Road last week. The Board is working with Township staff to install rain barrels at the Township building.

### **Financial Reports**

1. Jon Altshul, CFO, provided reports with the following comment: The Municipal Authority recorded \$9,875.27 in expenses and \$4,004.89 in revenues (primarily from tap-in fees at Sorrell Hill) in the month of March, a difference of \$5,870.38. The fund balance is now \$49,363.73. The expenses were due to the quarterly administrative chargeback and further labor and equipment costs incurred for Lockwood Elimination.

### **Old Business**

1. Amend 2013 budget – Per Rick’s recommendation, Dana moved to amend the 2013 Municipal Authority Budget as follows:

	2013 Adopted	Change	2013 Revised
Transfer from Sewer Cap Reserve	\$556,769	+\$230,000	\$786,769
Marydell Pump Station - Engineer	\$25,000	+\$6,000	\$31,000
Marydell Pump Station - Construction	\$170,000	+\$80,000	\$250,000
Hershey Mill Pump Station - Engineer	\$25,000	+\$10,000	\$35,000
Hershey Mill Pump Station - Construction	\$46,000	+\$134,000	\$180,000

Jack seconded the motion. The motion passed unanimously.

2. Comprehensive Plan Goals – The members of the Authority reviewed the goals report that Rick prepared (see attached). Rick explained that the Authority has 3 goals - Marydell, Hershey’s Mill and the Reserve. The *italics* indicate the status of the tasks. Jack moved to accept the goals and recommendations in Rick’s memo and present it to the Board of Supervisors as the Municipal Authority’s 1<sup>st</sup> Quarter Report for 2013. Dana seconded the motion. The motion passed unanimously.

## **Goals**

1. Rick announced that in Jan, Feb and March 2013 they met the permit at Ridley. He thanked Scott Towler and Mark Miller for their work.
2. June Newsletter article will be provided by Kevin.
3. June West Goshen meeting – Jack will attend.

## **Capacity Requests**

None

## **Sewer Reports**

1. **Mark Miller, Director of Public Works**, provided the following report for March:  
**Meters** – The meters were calibrated on April 8, 2013. Minor adjustments were made to Wilson Dr. The portable flow meters were pulled and will be reinstalled this week. We will be monitoring the sewer flows between Rt. 3 and Paoli Pike.  
**Pump Stations** – Were visited on a daily basis.  
**CC Collection**: On March 17<sup>th</sup> we received an alarm at the Hershey Mill Pump Station for a pump failure. While I was en route, I received a high level alarm. We found that all of the pumps had tripped as well as the VFD's. We reset the breakers to get the pumps to run. It turns out that the block heater on the generator shorted out which tripped the circuit breakers.  
**R.C. Collection**: Joann received a call from a resident at 202 Applebrook Drive who reported sewage coming thru his basement toilet. We arrived at 202 Applebrook Dr and started to pull manholes. We found manholes plugged with grease. As we worked to clear the clog, we found that two drop manholes were completely clogged and had to use shovels and pry bars to release the grease. The crew was able to get the line opened to alleviate the backup. I explained to the homeowner that the lines were not part of the Township System. I contacted the management company to advise them that they had a serious problem that needed immediate attention. We checked the other manholes to make sure they were clear before we left and we also worked our way back to the clubhouse where we found the main line with a 75% blockage. Applebrook called Pipe Data View in to clear their lines. The management company is having all the lines cleared.  
R.C. Plant: Nothing to report at this time.  
Alarms: We received a total of 17 alarms  
PA One Calls: We received 47 PA One calls for the month of March.
2. **Pennoni**: Dan Barbato provided the following engineer's report:  
**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. No issues were brought to our attention in March.  
**Marydell PS Elimination** – We coordinated with Ply-Mar to have their insurance coverage revised to comply with contract requirements, and an acceptable insurance certificate was provided. We also reviewed additional shop drawing submissions.

Notice to Proceed with Construction was issued effective March 18. The contract completion date is July 15.

Ply-Mar began construction on March 26. Ply-Mar originally estimated 6-8 weeks to complete the project. We have performed construction field observation and office support during the construction including but not limited to field meetings and coordination with PECO to brace utility poles, coordination with Sunoco for required soft dig test pits of gas mains in Boot Road, observation of Paoli Pike jack and boring, and resolution of Paoli Pike jack and boring casing misalignment.

We reviewed the contractor's first payment request and forwarded our recommendation to the township.

Hershey's Mill PS Diversion: We issued Notice to Proceed with Construction effective April 1, 2013. The contract completion date is July 29, 2013. The contractor, Delaware Valley Utility Contractors, proposes to begin work on May 6. They estimate approximately one month to complete the project. A pre-construction meeting is tentatively scheduled for April 16 or 17.

We are also in the process of reviewing partial shop drawings from the contractor.

Reserve PS Elimination – We completed the Bid Plans and near-final specifications. The plans and specifications were submitted to the Reserve at Spring Meadows HOA per their request. The project will be put out to bid after the Reserve at Spring Meadows HOA has granted the easement and rock borings are performed.

Chapter 94 Annual Reports – We prepared and submitted the reports for the Ridley Creek, West Goshen and Westtown Service Areas to DEP. We also prepared and submitted a letter to DEP stating that the Lockwood Chase STP was decommissioned in 2012 and that a Chapter 94 Report for that Plant is therefore not necessary.

Semi-Annual I/I Report – We analyzed permanent and portable (temporary) meter data from the preceding six months, and we met with Township staff to review the metering and discuss locations for metering and investigations over the next six months. We prepared the semi-annual report and submitted it to the Township.

Applebrook Sewer Easements – We reviewed the easement plan and legal description and we provided minor comments to the Township.

3. **Big Fish Environmental Services, Inc.**, Scott Towler presented a report for March 2013. The following is a summary:

Treatment Process Operation

During February, 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 0.20 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 <0.14 mg/L to .026 mg/L.

Sequencing Batch Reactors (SBRs) number 1, 3, and 4 were in service during the month of March. Process monitoring of each SBR included, ammonia as N, nitrite as N, nitrate as N, COD, SSV, MLSS and total phosphorus. Microscopic examinations and physical observation of the SBR MLSS and foam color is ongoing. Foam concentrations increased in concentration of surface area coverage during the month. The foam remains as light brown in color and averages 3 to 4 inches in depth. The F:M ratios for SBR 3 and 4 decreased slightly. Increased sludge wasting rates were gradually implemented

during the last week of the month and will continue during April to increase the F:M ratio and lower the MLSS.

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 for 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 largely consistent through March.

SBR No 2 remains out of service. Transfer of the remaining mixed liquor will be implemented during the month of April to drain the tank. The facility is anticipated to achieve compliance with the permitted effluent limitations.

Process Monitoring On-Line Instrumentation – The ChemScan phosphate analyzer remains on line. Comparison testing for reactive (ortho) and total phosphorus is ongoing. On site comparison, monitoring is measuring a significant difference among the analyzer data as compared to the onsite laboratory data. Dave Kershner was contacted to confirm calibration of the analyzer and adjust if needed. Suspended solids within the post final effluent feed to the flow floc tank and filters may be fouling the analyzer.

Solids Dewatering and Disposal – During the month, the centrifuge dewatering system was placed in service. 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 No.1 was in service. The level at the beginning of the month was 12.99 feet and the level at the end of the month was 14.14 feet. The initial total solids concentration was 0.77% and ended the month as 0.81% total solids. A total of 141,225 gallons of supernatant was decanted during the month.

Sludge holding tank No. 2 was out of service. The level at the beginning of the month was 2.57 feet and the level at the end of the month was 1.60 feet. This sludge tank is planned to be utilized during the month of April to drain SBR 2 and assist to handle the increase sludge wasting rates.

Significant Storm Events – During March there were no significant precipitation events contributing to excessive influent wastewater flows to the treatment facility.

#### Minor Repairs and Preventative Maintenance:

- ACS was contacted to schedule repair of the influent flow chart recorder.
- ACS installed flow meter signal cable connecting the new influent “field” flow meter to the influent sampler located at the doghouse manhole. The influent sample collection is a flow-proportioned sample.
- Jeff Bush from Worth & Company was contacted to replace the failed analog hour meters (previous warranty issue left unresolved by Worth & Co.).
- The spider gear for the centrifuge polymer feed system failed. The gear from the disc filter polymer feed system was used to return the centrifuge to service. Replacement parts will be ordered.
- The rear bearing of the centrifuge continues to be closely monitored as the temperature has been observed to increase to 180°F. A temperature of 212°F activates a high temperature alarm and results in the machine failure.

- Disc Filter Number 2 cloth media was cleaned. There have been no high vacuum alarms observed since completing the cleaning procedure.
- The Township coordinated with Aqua Wastewater Management to remove grit from the influent flow channel.

**Any Other Matter**

None

**Correspondence**

None

**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 8:15 pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary