

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
May 14, 2012**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, May 14, 2012 at 7:00pm at the Ridley Creek Sewer Treatment Plant. Members in attendance were: Chairman Dana Pizarro, Joe McCawley, Jack Yahraes, Fran Beck and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), Jon Altshul (Township CFO), Bob Adams, Atty., Walter Wujick (Conservancy Board), Scott Towler, Dan Barbato, and Mike Ellis.

**Special Tour** – The meeting was held at the Ridley Creek Sewer Treatment Plant. At 6:00 p.m. the members of the Municipal Authority and others in attendance were given a tour of the plant by Scott Towler.

**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/Other Members' Reports**

Jack attended the West Goshen Municipal Authority meeting and provided copies of the minutes.

**Approval of Minutes**

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

**Approval of Invoices**

Joe moved to approve payment of the following Pennoni invoices:

1. Pennoni #504741, \$ 1,089.00
2. Pennoni #504742, \$ 5,835.00
3. Pennoni #504744, \$10,348.75
4. Pennoni #504746 \$ 3,035.25

Fran seconded the motion. There was no further discussion. The motion passed unanimously.

Joe moved to approve payment of the following Gawthrop Greenwood invoices:

1. Gawthrop Greenwood #98012 \$152.00
2. Gawthrop Greenwood #98989 \$703.00

Jack seconded the motion. There was no further discussion. The motion passed unanimously.

**Liaison Reports**

1. Conservancy Board – Walter reported that the Board did a planting in the open space on the east side of Reservoir Road. They are planning a walk through the basins with Mark Miller.
2. Historical Commission – Jack reminded everyone about Living History Day on Saturday, June 2, 2012 from 11 am to 4 pm. This year is still about the Civil War but the focus is on the women who were left at home.

**Financial Reports** – Jon Altshul, the Township’s new CFO, introduced himself and gave his background. He took a look at all of the financial information for the Authority and found that some items weren’t coming through on the reports. He asked the Authority members for any additional information or layouts they might want to see. Fran spoke about the annual audit. Kevin would like to know what controls are in place. He feels the auditors should meet with the Authority members. Rick will ask an auditor to come to the next meeting. Dana liked having the transaction details. Jon mentioned that the Authority has 3 bank accounts. He will attend next month’s meeting.

**Old Business**

1. Clinger Invoice – In response to Rick’s letter to Clinger about their invoice #M11143 for \$1,484.00, Clinger advised that according to their collective bargaining agreement, 2 journeymen have to respond to this type of call. Joe feels the rate of \$145/hr is too much and wants to deny payment. Rick pointed out that a journeyman’s hourly rate is \$102.00 and suggested that they pay for 2 men at this rate. Everyone agreed.

**Goals**

1. Newsletter – Jack submitted the article for the summer newsletter. Dana will do an article for Fall.
2. Joe will attend the June 6th West Goshen meeting and Dana will attend the September meeting.

**New Business**

None

**Capacity Requests**

None.

**Sewer Reports**

- a. Mark Miller, Director of Public Works Report:

C.C. Collection – PWD received a call from a resident on Heather Lane stating that their lateral needed repairs. We looked at the lateral and found that the stack had pulled out of the tee. I stood on the stack and pushed the pipe back into the tee. While visiting the Hershey Mill Pump station the Crew found a sewer manhole overflowing. We entered the downstream manhole and removed several 5 gallon buckets of grit. We then jetted the line to clear the clog. We received 12 calls for lateral cap replacement during the month.

ACTION ITEM - Mark asked the Authority for approval to have Pennoni investigate the cost to install a Muffin Monster at the Hershey Mill Pump Station. With additional flow, he believes they are going to have a problem with debris. He estimated \$70,000 and drawings and engineering will be needed. Mark and Dan will get the costs for the next meeting.

R.C. Collection – The pumping station was visited on a daily basis and the basket was cleaned. Chemicals are still being added to fight the grease. There were no problems during the month of April. Seven calls were received for laterals during the month.

Lockwood Plant: The contractor has started the sewer work. They started at the

swim club on Tanglewood Drive. The road crossing took them 3 days due to utility conflicts. Once they crossed the road they hit rock which took 3.5 days to get through. They removed 54 cubic yards of rock. They are currently in good dirt and working their way through the open space. Matt and Mark are taking turns inspecting. Dan introduced Mike Ellis, who designs pump stations at Pennoni. Dan feels the way the contract went out was good. Mike reported that rock was found at Lockwood where it was expected but at a shallower level. The contractor submitted preconstruction video. They installed manhole six. In a few weeks the first house should be connected.

Mark reported that Dusty Kilgore and Kevin Miller have completed the sewer maintenance courses at Delaware County Community College. They are interested in attending other courses.

Alarms – 22 alarms were received for the month

PA One Call – There were 87 PA One calls for the month of April.

b. **Pennoni** inspection report done on April 11 & 13 by Matt McAloon was reviewed.

c. Pennoni Engineer's Report - Dan Barbato provided the following report:

Invoices - with summaries were provided under separate cover.

Ridley Creek Sewage Treatment Plant –

- The plant was inspected in detail on April 11 & 13. The purpose of the inspection was to compare the current operation and plant condition to the conditions documented in the March 5, 2012 report, which was immediately following the departure of Miller Environmental. The majority of the deficient conditions appear to have been corrected. The building were clean and well organized, the alum feed system is not currently required, the disk filters were clean and appeared to be operating properly, sludge levels in the digesters was acceptable, and effluent appeared clear at the time of the inspection. A detailed inspection report is attached. In summary, several conclusions and observations can be made:

1. Miller Environmental was not properly operating the plant.
  2. Housekeeping and process data collection was poor.
  3. The plant is capable of meeting the new discharge limitations.
  4. Miller's claim that design shortcomings in the plant inhibited their ability to operate the plant is unfounded, particularly in light of the demonstration of the plant performance over the past 2 months in accordance with NPDES standards.
  5. The centrifuge is capable of processing solids.
  6. Miller Environmental did not properly manage and remove solids at the facility.
  7. Miller Environmental relied too heavily on chemical treatment, particularly alum.
  8. The plant is currently being operated properly, with good data management, housekeeping and maintenance practices.
- Dan is pleased with the current operation of the plant and Pennoni stands by their design.

#### LCSTP Elimination

1. The contractor, SJM Construction Company, began construction on May 1 installing E&S controls and performing site clearing. Sewer construction began on

May 3 and they are tentatively projecting approximately 60 days to complete the work. The required contract completion date is July 2, 2012.

2. We have been performing close to full-time construction inspection services from the start of construction on May 3 through the time of this report. Full-time inspection is planned to continue at least until the contractor is no longer excavating rock. We expect to be out of rock by May 11.

3. As of this report, the contractor is encountering rock at shallower depths (higher elevations) than indicated in the Township's pre-construction borings. The rock removal contract quantity is 75 c.y. We are currently estimating the actual rock removal quantity will be a little over 100 c.y, resulting in an increased cost of approximately \$3,000 due to the increased quantity.

4. The existing drop connection at Existing Manhole EXMH-8 along Tanglewood Drive was not damaged during construction of the new sewer, so the Bid Add Item for that item of work will not need to be exercised. The Add Item was bid at \$5,300.

5. We have provided in-office construction support on scheduling, Tanglewood Drive closure, detour/closure signage, marking and extent of tree clearing, rock quantification, and verification that the existing lateral from 924 Dolphin Dr. will not conflict with the proposed sewer based upon the measured lateral depth leaving the house.

6. We reviewed additional construction submittals including the contractor's pre-construction video. All submittals have been "Approved" or "Approved as Noted".

7. We issued a Construction Issue set of plans and specifications to the contractor and Township to incorporate the various addenda into one set of plans and specifications.

#### Hershey Mill PS Diversion, Reserve PS Elimination Planning

- We previously prepared draft plans and draft applications for DEP General Permits (GP) for Stream Crossings. The PNDI Receipt for the Hershey Mill PS Diversion identified potential threats to two plant species. We prepared and submitted the required documents to DCNR for their comments/approval regarding the potential threats, and we are awaiting feedback. It also appears that additional construction easements will be required to install a temporary construction bridge stream crossing for the Hershey Mill PS Diversion, and we are coordinating with the Township to determine if the General Permit for a temporary crossing should be pursued as a result.

#### Marydell PS Elimination Planning

- We have prepared draft plans and a draft PennDOT Highway Occupancy Permit (HOP) application. We are continuing attempts to coordinate with PECO regarding mitigation of impacts to overhead utility poles given the proximity of the proposed sewer to the poles. The PECO coordination may impact the HOP application, such as modifications to the exact sewer location. Upon resolution of any such PECO issues, we will finalize and submit the HOP application.

#### Annual Chapter 94 Reports

- A new influent metering and organic sampling location is needed at the Ridley Creek STP in order to satisfy DEP's new Chapter 94 requirements. We have discussed the best location with Public Works, and we forwarded a recommendation letter to the Authority prior to the April 9, 2012 meeting.

**c. Big Fish Environmental Services, Inc.** Scott Towler gave the following report on plant operations for April 2012:

Treatment Process Operation – Sequencing batch reactors (SBRs) numbered 2, 3 and 4 were in service until April 11<sup>th</sup>. SBR #2 was removed from service on April 11, 2012 to evaluate the treatment performance through utilizing 2 SBRs #3 & #4. The following observations were recorded with only 2 SBRs in service:

1. Occasional filled decants attributed to diurnal flow loadings.
2. Nitrification and denitrification was achieved.
3. Nitrate concentrations became elevated contributing to denitrification within the SBRs during settle phase.
4. Phosphorus removal within the effluent limitation was achieved without alum.
5. DO trends during peak flow periods indicated significant oxygen demand (minimum to no desired "DO peaks").
6. SBR surface developed a layer of foam. Microscopic examinations did not identify *Nocardia* sp. as the main contributing factor for development of foam.
7. The F:M ratio increased (160 minutes fill cycles)
8. Effluent clarity remained good; however, the final effluent exhibited a slight color (similar to the discharge from a trickling filter treatment process). The final effluent achieved permit compliance with the discharge limitations.

On April 7, 2012, transfer of treated effluent to the Applebrook golf course lagoon commenced, approximately 65,000 gallons/day.

On April 22, 2012, the chemical feed system to provide alum to the floc tank mixer and influent to the disc filters was placed in service. It should be noted that the use of alum to assist in phosphorus removal was driven by the uncertainty of compliance with the NPDES permit. Typical laboratory turnaround for analytical reports is two weeks, with the April 5<sup>th</sup> sample report received on April 27<sup>th</sup>. Split sample analysis between on-site testing and the laboratory indicates elevated sample results obtained on site as compared to ALS. Evaluation of selected laboratory accreditation is warranted.

On May 2, 2012, SBR #1 was placed in service, in addition to SBRs #3 & #4.

A summary of the influent and effluent sample data for the month of March 2012 is attached for review. The eDMR and supplemental reports for March 2012 have been prepared and hand delivered to PA DEP by BFESI on April 27, 2012. As required by the NPDES permit effective March 1, 2012, the following supplemental reports accompanied the DMR:

1. Daily Effluent Monitoring Report
2. Chemical Additives Report
3. Sewage Sludge/Biosolids Production and Disposal report 1 of 3, report 2 of 3 and report 3 of 3.
4. Hauled in Municipal Waste Report
5. Influent & Process Control Form
6. Laboratory Accreditation Report.

**Any Other Matter** - None

**Correspondence and Reports of Interest** - None

**Public Comment** – None

**Adjournment**

There being no further business, Joe moved to adjourn the meeting. Fran seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:10pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary