

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**March 14, 2016**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, March 14, 2016 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Jack Yahraes, Ed McAssey and new member Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Mike Ellis (Pennoni), Carmen Battavio (Township Supervisor), Jessica Wiesak (Attorney) 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>PM – Prevention Maintenance</i>
<i>EPA – Environmental protection Agency</i>	<i>PR – Park &amp; Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&amp;I – Inflow &amp; Infiltration</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</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 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember the troops and all veterans. Dana asked if anyone would be recording the meeting. There was no response.

**CHAIRMAN’S/MEMBERS REPORTS**

1. Ed reported that he attended the West Goshen Sewer Authority meeting. He provided copies of the 2016 budget and Capitalization Policy and minutes of the March 2, 2016 meeting. Ed reported the HRG is going to build a simulation model of the process.
2. Jack mentioned that a flyer for the PMAA Spring Workshop is in the packet.

**Sewer Reports**

**1. Director of Public Works, Mark Miller presented the following report:**

Monthly Flows: The average daily flow to West Goshen was 850,000 to 900,000 gallons per day. It was over One Million for 10 days. It dropped once everything settled down. We also installed the portable meters at the new locations.

Meters: The meters were calibrated on the first of the month. I’m currently working with Allied Control and Lenni Electeic on the logistics for the Ridley Creek flow meters.

C.C. Collection: We were notified of a problem on Heather Lane. The resident thought his lateral was backing up. We inspected the pipe and the clean-out pipe had pulled out of the tee. We pushed the pipe back into the tee. This is the second time we have replaced the tee.

R.C. Collection – The leaks that we located on Cornwallis Drive have been repaired. Our next area will be the Ridley Creek interceptor line from Paoli Pike and Line Road to the plant. We will also inspect the Applebrook carriage homes and the Applebrook Reserve. We placed an order for 2’ and 4’ risers as well as casting and lids, as we need to raise several castings in low areas.

R.C. Plant: We had to pull the utility water pump for repairs. While pulling the pump we found the piping to be in bad shape plus all of the gaskets were blown out. We pulled the piping and replaced it as well as the gaskets and hardware. The pump went to Deckman's for repairs. The estimate to repair the pump was \$3,890.00. The cost to replace the pump is \$8,300.00. I gave the ok to repair the pump.

We also pulled the number 1 lift station pump for routine maintenance. The bearings on the top end need to be replaced. In order to get to the bearings, the pump had to be completely pulled down. The cost for the repairs is \$5,000.00. I gave them the ok for the repairs. If we were to send the pump back to FLYGHT for repairs, the cost could be \$7,800.00. Once the pump returns we will install it and pull pump 2 for maintenance.

Lenni Electric was called in to replace the UPS boxes on the filters. Lenni has also been on site going thru all of the electrical components.

While we were working on the utility water piping, Dave Wolfinger showed for a surprise inspection. He said he found the plant to be in good working condition and was impressed with the preventive maintenance being done.

When we did the work at the plant, we needed to rent a 6 inch trailer pump to bypass the flow. I would recommend that we purchase a trailer mounted pump in the 2017 budget. As you know, most of our problems with sewer flows are weather related. If we had a full blown pump failure at the plant, we would not be able to pump the effluent. The nearest pump is 2.5 hours away in New Jersey and then there is no guarantee they will have what we need. We could also use the pump to bypass pump the interceptor lines and pump stations if need be. When we were working at the plant, the DEP showed up for an inspection. The inspector was very surprised that we did not own a large pump and hinted that we should consider purchasing one.

Action Items: MUFFIN MONSTER repair – discuss upgrades at Hunt Country pump station.

Sewer Lateral: 5 sewer laterals repaired for the month by plumbers.

Alarms: We responded to 37 alarms for February.

PA One Calls: We received 50 PA One calls for February.

## **2. Pennoni Engineer's Report**

Mike Ellis provided the following report:

Invoices: Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP):

No activity since the last report.

Reservoir Rd Pump Station:

PADEP issued the permits for the Ridley Creek GP-5 "Utility Line Stream Crossings" and GP-8 "Temporary Road Crossings (across streams)" and for the pump station site floodplain filling work.

We are awaiting PADEP response for the Chester Creek Small Projects Joint Permit for the pump station site and the Chester Creek Utility crossing.

Williams-Transco and Sunoco have approved the petroleum pipeline crossings. We are still awaiting a response from PPL-IEC.

We met with PennDOT at the site to review the Highway Occupancy Permit application for force main construction along and across E. Strasburg Rd. and Rt. 352. We revised the application thereafter, to address PennDOT's comments, including eliminating the proposed

closure of Rt. 352 and utilizing traffic control instead, and we expect to resubmit the revised application on March 14.

We are finalizing edits to the NPDES Permit Application and plans based on comments from the Chester County Conservation District, and we expect to submit the revised documents the week of March 14.

The Water Quality Management Park II Permit Application will be submitted to PADEP after the plans are revised to address CCCD's comments.

We revised the sanitary sewer easement exhibit for 1636 Bow Tree Drive to address comments from the Solicitor.

The tentative schedule follows:

Submitted PADEP GP and JP Permit application	November 19, 2015
Submit revised PennDOT HOP application	March 14 2016
Submit revised NPDES Permit Application	Week of March 14, 2016
Submit PADEP WQM Part II Permit application	Week of March 14, 2016
PennDOT Permit issuance	April 2016
PADEP & CCCD Permit issuances	May 2016

RCSTP and Pump Stations' O&M Plan

We continued preparation of the Sewer System Operations and Maintenance (O&M) Manual and will provide a draft of the Manual's current status for review by the Township and Municipal Authority on March 14.

White Chimneys Manhole Rehabilitation

We prepared a draft bid document, cost estimate, and map exhibit for interior rehabilitation of numerous manholes that are deteriorated from hydrogen sulfide. The scope included manholes in the White Chimneys neighborhood that are downstream of the Ashbridge Pump Station force main discharge and manholes along Cornwallis Drive that are downstream of the Hershey's Mill Pump Station discharge. We performed additional field observations in both locations to determine the specific manholes to be rehabilitated. Manholes downstream of the Barkway and Hunt Country Pump Station may also be added subject to field observation of conditions.

Chapter 94 Reports

We have continued preparation of the reports. The Westtown Tributary Municipality Report has been submitted to the Township for review and we anticipated submitting the Ridley Creek STP and West Goshen reports for review the week of March 14.

Connections

We reviewed a plan submission for proposed connection of two new houses at 943 Cornwallis Drive via gravity laterals.

Manhole Rehabilitation – The estimate dated March 12, 2016 shows an estimated total cost of \$104,470.

**3. Big Fish Environmental Services** – Scott's report showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during January 2016. Discharge to Applebrook was discontinued during January. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of sludge dewatering equipment.

During February, there were 5 storm events resulting in a daily precipitation amount equal to or greater than 0.4 inches measured during a 24 hour period. A total of 4.68 inches of rainfall were measured during the month. These events occurred on the following dates:

February 2 0.78 inches  
February 15 0.43 inches  
February 16 1.04 inches  
February 23 0.54 inches  
February 24 1.42 inches

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitation for Outfall 001.

On February 4, the SBR set points were adjusted as follows to manage the elevated hydraulic loadings as a result of rain and snow melt. At an influent flow of approx. 564.25 gpm, which is equivalent to 812,520 gpd, the following SBR adjustments were incorporated:

Sludge wasting still off to all 3 SBRs  
Minimum aeration time 120 minutes per cycle  
Maximum aeration time 180 minutes per cycle

Minimum react time was set at 60 minutes per cycle. The previous setting was 75 mins per cycle, however, the setting was adjusted during the evening of Feb 3 as part of the response for maximum SBR decant alarms.

On February 8, the React settings were returned to the initial settings from 60 to 75 minutes per cycle.

On February 9, the settle settings were returned to the initial settings from 45 to 60 minutes per cycle.

Minor repairs and preventative maintenance were:

February 3 – The alum line to the disc filters blew apart at injector site. All liquid was contained in alum containment area. Removed the LMI pump from service and isolated piping. Jim scheduled for troubleshooting the malfunction for Feb 4<sup>th</sup>.

February 4 – The pump suction strainer on hard piping between alum tank and pumps had solidified. Cleaned and Replaced. This task has been added to the preventative maintenance schedule. Replaced effluent sampler suction drive tubing.

February 16 – Power failures reported prior to arriving on site. Both generators operated approx. 1 hour. Responded to Siemens Panel (Max decant) Alarm last evening after heavy rain came through. SBR adjustments: Decreased minimum React from 90 to 60 mins per cycle. Decreased settle time from 60 to 30 mins per cycle.

February 17 – Mark Miller’s Township crew performed the following tasks:

Removed influent pump #1 for overhaul and rebuild.  
Removed utility water pump #1 for overhaul and rebuild.  
Replaced a leaking gasket for Utility Pump #2.

Lenni Electric electricians removed the UPS from disc filter #1 control pan for replacement.

Electrician (Joe) installed new UPS units in both Disc Filter control panels.

February 18 – Completed the disassembly of the sludge pump and piping to remove blockages as a result of “rag” build up. The shear plate on the sludge grinder is recommended for replacement.

February 23 – Sludge Tank #1 level transducer failed. A replacement transducer is planned.

### **Approval of Minutes**

Jack moved to accept the minutes of February 8, 2016. Ed seconded the motion. The motion passed unanimously.

### **Approval of Invoices**

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

- |    |                 |             |
|----|-----------------|-------------|
| a. | Pennoni #678096 | \$ 311.25   |
| b. | Pennoni #678097 | \$ 1,623.50 |
| c. | Pennoni #678098 | \$ 1,868.25 |
| d. | Pennoni #678099 | \$ 1,155.25 |
| e. | Pennoni #678100 | \$ 2,209.50 |
| f. | Pennoni #678101 | \$ 3,248.75 |
| g. | Pennoni #678618 | \$ 1,392.75 |

Jack seconded the motion. There was discussion of status of project budgets. The motion passed unanimously.

2. Ed moved to approve payment of Gawthrop Greenwood invoice #141172 for \$480.00 which has already been paid. Jack seconded the motion. The motion passed unanimously.

### **Liaison Reports**

Conservancy Board – Walter reminded everyone that Keep East Goshen Beautiful Day is Saturday April 2, 2016, raindate April 9, 2016. They are planning a spring planting.

Board of Supervisors – Carmen reported that the WEGO Police Department should receive accreditation by the end of March. Auditors examine everything. He feels this may become a requirement.

On Tuesday March 22, 2016 there will be a meeting at the Fire Hall at 7:00 pm regarding the Milltown/Reservoir Dam. The engineers report is on the Township web site.

The BOS approved the Park Master Plan.

### **Financial Reports**

Jon Altshul provided the following written report:

In February, the Municipal Authority recorded \$8,521 in revenues (primarily from a tap-in fee for 957 Cornwallis Dr.) and \$26,762 in expenses, (including \$19,313 for Reservoir Road Pump Station engineering) and \$6,969 for non-capital engineering, for a negative variance of -\$18,241. As of February 29, the fund balance was \$1,446,108, of which \$1,396,773 is in the main construction account.

### **Goals**

Goals for 2016 were discussed.

### **New Business**

1. The capacity request for 943 Cornwallis Drive was discussed. Jack moved to approve the request. Dana seconded the motion. The motion passed unanimously.
2. Mark reported that the Muffin Monster has been in operation since 2009 and needs to be rebuilt. He contacted Charlie Deckman about rebuilding the unit. However, it was

cheaper to swap out with JWC, the manufacture. The cost will be \$21,151 with shipping. Mark's crew will install it. Ed moved to approve this request for \$21,151 for a new Muffing Monster. Jack seconded the motion. The motion passed unanimously.

3. Mark reported it is time to close the wells at the Lochwood Treatment Plant. It is less than \$10,000.00 which he authorized.
4. Mark reported that for bypass pumping we need a 6" or 8" trailer mounted pump. He wants to put it in the 2017 budget. It will cost about \$40,000 including hoses, etc. Jack asked Mark to put together a comparison to present to the BOS.
5. Hunt Country is the oldest pump station and needs rehabilitation. Mark received a quote from J.T. Seeley & Co. Mark will install the components from the Reserve pump station. He sent the control panel to John Laidley to update some of the electronics since it has been in place for 35 years. The quote from Seeley is \$13,626. The cost to upgrade the existing pumps by Deckmen will be \$2,500 per pump. He will meet with MGK to get a price to gut and install the new rail system and pumps.
6. Pat McKenna, attorney, is working on the easement from Donald Pusey, 1636 bow Tree Drive. They have to get an appraisal of the property.

### **Adjournment**

There being no further business, Jack moved to adjourn the meeting. Phil seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:05 pm. The next meeting will be held on Monday, April 11, 2016 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer  
Recording Secretary