

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
June 12, 2017

The East Goshen Township Municipal Authority held their regular public meeting on Monday, June 12, 2017 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Ed McAssey, Jack Yahraes, and Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Mike Ellis (Pennoni), Patrick McKenna (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 & Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&I – Inflow & 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

Ed 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 our troops and first responders. Ed asked if anyone would be recording the meeting. There was no response.

Chairman’s Report

Phil reported that West Goshen had an executive session before their meeting about the EPA. The EPA is holding firm to their requirement of .04 but the judge hasn’t made a decision.

Sewer Reports

1. Director of Public Works, Mark Miller’s report for May:

Monthly Flows: The average daily flow to West Goshen was 804,000 gallons per day.

Meters: Meters were read on a daily basis. The Ellis Lane meter went down for two weeks due to the modem failure. Sue spent many painstaking hours trying to get Verizon to fix the problem. Allied Control finally had Verizon follow through with the new sim cards to get the modem up and running again. The portable flow meters are still in place and being read weekly.

C.C. Collection: The pump stations were visited on a regular basis with no problems to report. The wet wells were cleaned by an outside contractor. The grit was taken to DELCORA for disposal. We replaced two castings and lids in Hershey Mill Estates. We had two sewer lateral repairs to replace traps and cleanouts.

R.C. Collection: Pump stations were visited on a daily basis with no problems to report. As part of our routine maintenance the wet well was cleaned. The sewer lateral was installed at 1662 East Boot Road. This was the one that has several parties involved.

R.C. Plant: Scott and the new operator have been sending me daily reports on all the work being done as well as the lab reports for what they have tested that day. The new personnel

on site are doing a good job. We have received the materials to do the wet taps. The new trailer mounted pump has arrived.

Alarms: We responded to 22 alarms for May.

PA One Calls: We received 86 PA One calls for May.

Mark brought the new trailer mounted pump to the township building for the Authority members to see before tonight's meeting.

2. Pennoni Engineer's Report for May

Mike Ellis provided the following report.

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic soda pilot study –
 - We met with Mark Miller and John Laidley (controls contractor) on May 9 and determined the controls and electrical systems for the caustic soda chemical feed pump pilot study as well as options for the configuration of a future, permanent caustic feed system. It is our understanding that an electric line was run and an outlet installed at the location of the proposed pilot study feed pump after the meeting.
 - Coyne Chemical and Big Fish performed jar testing on May 23. According to Big Fish, one sample was taken from SBR #4 during the React phase, and 25% caustic soda was added until it reached a pH of 7.0. Alkalinity could not be tested due to problems with the titration equipment. Coyne estimated that the entire plant will need 1.75 GPD of 25% caustic soda based on a flow of 350,000 GPD. However, we had expected the demand to be around 125 GPD based on the current amount of soda ash being used. We are coordinating with Coyne and Big Fish to resolve this discrepancy and to determine an initial feed rate and quantity of caustic soda required for the pilot study.
 - We had selected a chemical feed pump for the Township to acquire for the pilot study based upon our expected 125 GPD demand to pump at approximately 0.3 GPM (17.6 gallons/hr) during the Fill stage only. The spare LMI pump at the plant is only rated for 1 gallon/hr.
 - A pilot study sampling plan has been requested from Big Fish.
 - The intent is still to tap the SBR influent pipe and install the system upon resolution of the chemical feed amount and feed pump selection. The pilot study is expected to be run for 3-4 weeks. Our goal is to begin the pilot study in June.
- SBR tanks CIM coatings –
 - We have researched the SBR tanks' CIM coating bubbling and peeling issues further and have continued coordination with Dutchland. The coating was installed by Dutchland in July-August 2009 and had a 10-year warranty, so it is therefore still under warranty. We are reviewing the warranty document to revisit conditions and if there is an extended period of coverage.

- Background – The concrete wall panels were precast and pre-stressed, and the walls were post-tensioned. There were hairline cracks that occurred in the walls of the structure allowing some liquid to penetrate through the walls causing concern that it would eventually corrode the rebar and cause spalling. Dutchland originally attempted to coat the cracks with a cementitious Sika product that quickly cracked when loaded. They next attempted to grind out each crack and fill it with a Sika 1A / Sikaflex caulk material which also failed under loading. At that point, they proposed coating the interior of the wall with CIM under the premise that the material would remain flexible and not crack and fail under loading, although this is not a traditional application for CIM. Prior to the issues with the cracks in the walls, Dutchland used Sika on the joints between the precast walls and poured in place floor slab. They also used it on the saw cut expansion joints in the floor slab.

The CIM applied to the joint between the floor slab and the wall and along the expansion joint in the floor was applied by Dutchland personal. The CIM coatings on the walls were applied by Dutchland's subcontractor, CIM East Coast. It is our understanding that CIM East Coast was an authorized supplier and installer by the CIM manufacturer. They employed quality control for the application of the CIM coating on the walls that appeared to be stringent per our observations. For example, the material was only applied at night due to temperature and UV concerns, and they used wet mill gauges to check the thicknesses.

- To-date, we have not observed any spalling of concrete. Our expectation is that the coating deterioration observed up to this point can continue to be spot repaired, but the ultimate repair once the coating reaches the end of its useful life will be to completely remove and replace with a new coating, possibly a different material.

Reservoir Road Pump Station

- PADEP issued the State Water Obstruction and Encroachment Permit for the pump station site and Chester Creek utility crossing in June 2016; however, they are requiring a separate federal authorization by the Army Corps of Engineers (ACOE). Due to lack of coordination between PADEP and ACOE, we have had to initiate an application process directly with the ACOE. The ACOE provided lengthy comments and questions on May 5, 2017, including items outside the scope of the Chester Creek encroachment permit application before them such as work at the Ridley Creek, that we are in the process of addressing. We have discussed the comments and our responses on several occasions thereafter with the ACOE reviewer, Dave Caplan. Due to the amount of time that has passed since permitting work was initially performed on this project, certain timeframes have expired since PADEP issued their permit in June 2016 including wetland delineations, PNDI environmental review, and the USFWS bog turtle habitat study approval. We have therefore performed limited field work to revisit the wetland delineations (no changes observed), prepare new wetland field notes requested by ACOE, ran a new PNDI search, and made a new submission to USFWS to re-approve the bog turtle study and proposed exclusionary measures. We are awaiting a response from USFWS. We are meeting with Mr. Caplan at the site on June 19 per his request. We expect that some plan and permit application revisions will be needed following the meeting.
- The bid document will be finalized and submitted upon receipt of the remaining ACOE permit.

- We will complete a listing of the permits, expiration dates, and renewal deadlines once the ACOE permit is issued.

RCSTP and Pump Stations' O&M Manual

- We researched 12 boxes of historical plans, design information, permits, and correspondence, amongst other things, from the Township. We also performed a field visit to the recently upgraded Hunt Country Pump Station to obtain equipment information, and we contacted vendors to obtain additional equipment information. The Manual has been updated to address the research, add Hunt Country Pump Station information, and incorporate comments from Mark Miller. An updated copy of the Manual has been submitted to the Township for review with a list of items and information needed to complete the document.

White Chimneys Manhole Replacement

- We will provide assistance as requested by the Township during construction

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.

Discussion regarding CIM coatings - Carmen mentioned that when the concrete was initially installed the contractor had to stop several times due to the weather. He feels this is a warranty issue and they are making repairs but should replace instead. He asked the Authority to look into this. He feels the original concrete was moved before it was set. Rick will get the necessary data for Patrick to look at.

3. Big Fish Environmental Services – Scott's report for May showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted discharge limitations during the month of April 2017. Discharge to Applebrook remained off line. 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 or SBR treatment process.

Approval of Minutes

The minutes of the May 8, 2017 meeting were approved as amended.

Approval of Invoices

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

a.	Pennoni #749368	\$2,083.00
b.	Pennoni #749370	\$2,665.25
c.	Pennoni #749371	\$ 140.00
d.	Pennoni #749372	\$1,146.00
e.	Pennoni #749373	\$1,723.25

Jack seconded the motion. The motion passed unanimously.

2. Phil moved to approve payment of the following Gawthrop invoice:

- a. Gawthrop Invoice #181038 \$1,640.00

Ed seconded the motion. The motion passed unanimously.

Phil moved to increase the Pennoni budget for Reservoir Road Pump Station by \$6,000.00 for legitimate expenses. Jack seconded the motion. The motion passed unanimously.

Liaison Report

Conservancy Board – Walter reported that at their next meeting they will discuss comments from Marydell residents, who came to the last meeting, about trees that were planted near the pond in Marydell.

Board of Supervisors – There will be a public meeting on June 27, 2017 at 7:00 pm at Fugett Middle School. Emergency services will present how pipeline situations will be handled.

Financial Reports

Jon Altshul provided the following written report:

In May 2017, the Municipal Authority recorded \$816.34 in interest income and \$233,400 in expenses for a negative variance of \$232,584. Expenses included \$221,519 from the proceeds of the 2013 bonds for capital improvements at West Goshen STP; \$8,212 for general engineering; \$2,407 for legal services; and \$1,262 for engineering costs related to the Reservoir road Pump Station.

As of May 31, the fund balance was \$1,199,475 of which \$1,146,913 is in the main construction account (most of which represents the 2013 note.)

East Goshen was awarded a AAA credit rating from Moody's for its 2017 Series Bonds. We expect to hold the competitive sale in early July.

Goals

Goals for 2017 were reviewed. Jack will attend the July West Goshen Sewer Authority meeting.

Old Business

West Goshen Sewer Authority - Rick provided copies of the final draft of the Memorandum Agreement No. VIII dated June 8, 2017 which addresses how East Goshen will fund its share of improvements and upgrades to the West Goshen Sewer Treatment Plant and those parts of their sewer system that we utilize.

On June 6, 2017 the Board of Supervisors adopted a Debt Parameters Ordinance which outlines the parameters under which East Goshen will borrow funds to pay for our share of the costs.

Rick pointed out some changes that were made to the Agreement. The East Goshen and West Goshen staff and respective attorneys and engineers have reviewed the agreement. Phil moved to approve the Memorandum Agreement No. VIII and forward to the Board of Supervisors. Jack seconded the motion. The motion passed unanimously.

Adjournment

There being no further business, Jack moved to adjourn the meeting. Phil seconded the motion. The meeting was adjourned at 8:15 pm. The next meeting will be held on Monday, July 10, 2017 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary