

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
February 13, 2017**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, February 13, 2017 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Ed McAssey, Dana Pizarro, Jack Yahraes, and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Supervisor), Mark Miller (Public Works Director), 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.

Sewer Reports

1. Director of Public Works, Mark Miller reviewed the following report for January:

Monthly Flows: The average daily flow to West Goshen was 768,000 gallons per day. No problems to report.

Meters: All meters were read on a daily basis. The temporary meters are being read on a bi-weekly basis with no problems to report.

C.C. Collection: Pump stations were visited on a daily basis with no problems to report. Routine maintenance was performed.

In December I met with the Homeowners Association from Steeple Chase who informed me that they were planning an extensive paving project in both complexes. I offered to televise their sanitary sewer system since they have had some problems in the past. We televised their system. We did 3000 LF and marked all laterals. We located a couple of main problems, which they have agreed to repair. They will also clean all the lines. We did repairs to every lateral, 79 total, and replaced new caps and vent caps. I also asked that they have the contractor replace all the castings and lids (26), which we will supply. With the repairs made to the laterals, I feel we eliminated a significant amount of inflow during wet weather amounts. We did GPS on all the manholes and we will also add that information to our system.

We repaired a sewer lateral on Gateswood Drive that was loaded with tree roots.

We have two main repairs to do off of Reservoir Road. We were waiting for the ground to freeze; however, I don't think that will be happening anytime soon.

R.C. Collection: Pump stations were visited on a daily basis and routine maintenance was performed.

R.C. Plant: No problems to report for the month.

Alarms: We responded to 21 alarms for January.

PA One Calls: We received 46 PA One calls for January.

2. Pennoni Engineer's Report for January

Mike Ellis provided the following report.

Invoices: Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP):

The NPDES Permit expires on February 28, 2017. The permit renewal application was finalized and submitted to PADEP on August 31, 2016. No changes to the existing permit are proposed. (No update since last report)

We continued the evaluation of alternatives for automated alkalinity chemical feed systems to eliminate manual feeding and carrying bags up the exterior steps, including tank sizing and chemical cost analyses and coordination with the operator. The material cost for a change to caustic soda would be roughly 50-60% the current soda ash cost approximately \$20,000/year more. An updated DRAFT report is attached with details on a change to caustic soda treatment. However, the operator is recommending further consideration of magnesium hydroxide instead of caustic, as well as a change to the phosphorus treatment from alum to polyaluminum chloride (PaCl). The alum change would likely decrease the alkalinity treatment demands.

Dutchland repaired the peeling CIM coating at the top of the SBR#1 tank. We met with Dutchland and the CIM manufacturer at the plant thereafter regarding the progressive deterioration of the coatings and rehabilitation vs. replacement approaches for all the tanks. We expect feedback from the manufacturer within the next 1-2 weeks.

Reservoir Rd 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). We coordinated with both PADEP and ACOE on this additional review in July and are still awaiting feedback. (No update since last report)

We revised the NPDES plans and permit application again to address two new minor comments from CCCD that they issued on December 19, 2016, and we resubmitted to CCCD on December 22, 2016. (No update since last report.)

The Water Quality Management (WQM) Permit application was submitted to PADEP on April 13, 2016. They have informally notified us that they have no comments and are prepared to issue the WQM Permit once the aforementioned NPDES Permit is issued. (No update since last report)

We previously prepared the front end of the bid document and Division 01 specification sections, including a draft Bid Form. The Bid Form still needs to be finalized. Technical specifications were already prepared as part of the WQM Permit application. The full bid document will be completed, assembled, and forwarded to the Township upon receipt of the three remaining permits. (No update since last report)

We will complete a listing of the permits, expiration dates, and renewal deadlines once the three remaining permits are issued. We anticipate including that listing in future Engineer's Reports to track the permit statuses. (No update since last report)

RCSTP and Pump Stations' O&M Manual

Edits were made to address comments from the Public Works Director.

White Chimneys Manhole Replacement

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

Semi-Annual I&I Reports

We previously evaluated apparent inconsistencies in the overall Chester Creek subbasin flows (as metered at the Westtown Way Meter) between meter data, averages provided by East Goshen and billing records from West Goshen, and we will discuss with the PW Department to resolve.

We also began analysis of permanent and portable flow meter data for the upcoming first 2017 semi-annual report including an analysis of sewer billing EDUs by subbasin and conversion of our prior sewer system maps into GIS to facilitate the analyses.

Sunoco Pipeline

Sunoco previously agreed to add a condition to the approval letter they are requesting from East Goshen that they (Sunoco) will physically locate the Ashbridge PS force main at the proposed pipeline crossing location and that an East Goshen representative must be present when any work is done near the force main. We have also coordinated with them on a potential conflict with the proposed Reservoir Road PS force main, but there has not yet been a resolution to our knowledge. (No update since last report)

New Connections

1420 E. Strasburg Road, Brakman Property – We received a revised design submission for the 3-lot subdivision and provided sanitary sewer comments. The applicant now proposes 2 gravity sewer laterals and 1 grinder pump instead of the 3-grinder pump system that was originally proposed.

1680 E. Boot Road, Knauer Property – We reviewed a revised design submission for the 2 proposed gravity sewer laterals and provided two remaining sanitary sewer comments.

DCED Small Water & Sewer Program Grant

The Township submitted a grant application for the installation of three permanent gravity sewer flow meters in October. The grant agency, the Commonwealth Financing Authority, is scheduled to award grants in March 2017. (No update since last report.)

West Goshen Sewer System Consultation

No activity since last report.

3. Big Fish Environmental Services – Scott's report for January showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during December 2016. Discharge to Applebrook remained off line.

Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. Completed preparations to remove SBR#1 from service and place SBR#3 in service. No mechanical or operational issues were observed during operation of sludge dewatering equipment.

Approval of Minutes

The minutes of the January 9, 2017 were approved as amended.

Approval of Invoices

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

- a. Pennoni #731599 \$1,422.75
- b. Pennoni #731600 \$ 199.75
- c. Pennoni #731601 \$ 796.75
- d. Pennoni #731602 \$ 563.00
- e. Pennoni #731603 \$ 484.50

Dana seconded the motion. The motion passed unanimously.

2. Dana moved to approve payment of the following Gawthrop invoices:

- a. Gawthrop Invoice #175775 \$940.00 (already paid)
- b. Gawthrop Invoice #177124 \$597.50

Kevin seconded the motion. The motion passed unanimously.

Liaison Report

Conservancy Board – Walter reported that Keep East Goshen Beautiful Day will be held on Saturday, April 22, 2017, which is Earth Day. The Spring planting will be held on May 6, 2017 on Reservoir Road and the Marydell pond.

Board of Supervisors – Carmen reported that Judge Tom Tartaglia performed the swearing in of Michael Lynch as newly appointed Supervisor. He will finish the current term and run for reelection. The following ABC appointments were made:

Loir Kier, Esquire – to the Zoning Hearing Board (3 year term)

Silvia Shin, Esquire – to the Planning Commission (term expires at end of 2018)

Ernest Harkness, P.E. – to the Planning Commission (term expires at end of 2018)

Michael James, Esquire – to the Futurist Committee

Committa and Pennoni are designing the new playground in East Goshen Park. 2017 goals were distributed to the ABCs.

Carmen also mentioned that ABC liaisons aren't attending meetings. The BOS is requesting all ABCs to assign a person from their board to attend another board's meetings occasionally.

Financial Reports

Jon Altshul provided the following written report:

In January 2017, the Municipal Authority recorded \$595 in interest income and \$9,249 in expenses, for a negative variance of \$8,654. Expenses included \$4,340 in regular engineering; \$2,922 in engineering for the Reservoir Road Pump Station; \$940 for legal expenses; and \$984 for PMAA membership.

As of January 31st, the fund balance was \$1,405,997, of which \$1,371,512 is in the main construction account (most of which represents the 2013 note.)

Goals

Goals for 2017 were reviewed.

New Business

RCSTP Alkalinity Chemical Feed Alternatives – Mike reported that the cost of soda ash in 2016 was about \$45,000. He reviewed the proposed process to pump from a tank. Individual sensors

would make adjustment to the amount being pumped. Mike pointed out that Scott would rather use polyaluminum chloride (PaCl). He suggested doing a trial. Kevin pointed out that the main concern is safety. Rick commented that if the goal is operator safety, they should have to use a harness when on top of a tank. He will have a meeting with Scott to discuss implementing safety features immediately.

West Goshen Sewer Authority - Dana and Kevin attended the latest meeting. Dana emailed a spreadsheet and summary to the Authority members. The Bond team from Royal Bank of Canada gave a presentation. A Bank Loan from TD Bank had the lowest rate – 2.8% for 20 years. They will consider a 15 year bank loan for \$20M. The meeting ended at 11:30 pm.

Adjournment

There being no further business, Jack moved to adjourn the meeting. Dana seconded the motion. The meeting was adjourned at 8:30 pm. The next meeting will be held on Monday, March 13, 2017 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary