

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
August 13, 2018

The East Goshen Township Municipal Authority held their regular public meeting on Monday, August 13, 2018 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Jack Yahraes, Dana Pizarro, and Phil Mayer. Also in attendance were: Jon Altshul (Asst. Township Manager), Mark Miller (Public Works Director), Brian Miller (Pennoni), Scott Towler (Plant Operator) and Patrick McKenna (Attorney).

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

Jack 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, and Jim Yiaski, an accountant for Maillie, who passed away suddenly at the age of 54.

Jack asked if anyone would be recording the meeting. There was no response.

Chairman’s Report

Phil reported that West Goshen may have a site visit some time in September. They had a settlement meeting with the EPA and there is a 30 day waiting period for comments to the proposed agreement. The West Whiteland agreement is going to the West Goshen Board of Supervisors for approval. They are deciding if the pump station at Westtown Way needs screening. It would cost \$450,000. and East Goshen would be responsible for 50%. Mark Miller will contact West Goshen about this.

Sewer Reports

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

Monthly Flows: The average daily flow to West Goshen was 746,000 gallons per day. No problems to report.

Meters: The meters are being read on a daily basis. No problems to reports.

C.C. Collection: The pump stations were visited on a daily basis with no problems to report. We had no problems with the collection system. We had a sewer clog on 1616 Margo Lane, lateral clog and lateral repair.

R.C. Collection: The pumping station was visited on a daily basis with no problems to report. As part of our routine maintenance we televised and cleaned Tallmadge Drive. This will keep up until the line is replaced. As part of our repaving program we replaced 14 castings and lids in the Hadleigh development off of Greenhill Road.

R.C. Plant: The channel was cleaned in the screen building. While we were there we washed the walls down and did general cleanup of the interior of the building. We pulled the pumps on the empty SBR tank and sent them to Deckman Electric to be checked. Last month there was a discussion about the blower that went down. The blower was fine. The problem was with the blowers rebuild. We expanded the plant and the motors were checked but did not require repairs in 2009. The blower building has two exhaust fans that run continually. We installed an air conditioner in the small motor control room last year, which has helped to cool that equipment. I don't see the need to do any other ventilation work in the main blower room.

Alarms: We responded to 15 alarms for July, which were all various issues.

PA One Calls: We received 97 PA One calls for July.

Rainfall: July rainfall total was 7.80 inches.

Mark also reported that the permit for additional spray irrigation at Applebrook was submitted.

2. Pennoni Engineer's Report for July

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic soda pilot study – We are analyzing study data in coordination with Big Fish. We anticipate a summary report will be issued prior to the end of August.
- SBR Coatings – We performed a visual inspection of the SBR#2 wall coatings and our structural engineer performed a visual observation of the condition of the concrete. A memo will be issued summarizing the structural evaluation. The coating is experiencing more blistering than prior tanks, including a number of coating locations that were repaired when this tank was last offline. A meeting is tentatively scheduled at the site on August 22 to determine the repair approach with Pennoni, Dutchland, Mark Miller and Kevin Cummings. Under the expectation that repairs can be made within one month thereafter, it is our understanding that the next tank will be taken offline around November. It is our understanding that the warranty expires in October 2019.
- Influent metering – We performed a very cursory evaluation of influent metering alternatives since the “field meter”, which is located in a manhole in the wetlands and measures flow prior to recycle, had been reading 100,000 – 200,000 gpd too high for the prior approximately two months. Mark Miller advised us that the meter was inspected about one month ago and a large spider nest was found on top of the meter. This would cause the meter to read an incorrectly high flow depth and calculate a resultant higher flow rate. We have not reviewed recent flow data, but it is our understanding that metered flows have decreased since the maintenance. We are not aware of any other significant issues with this meter over the past several years. We were also informed that the metering company had recommended this location because it was the closest existing manhole/vault to the plant with adequate slope, straight-through piping, and non-turbulent conditions.

There are several alternatives that could be evaluated in more detail for the influent metering:

1. Continue with the meter as-is, and ensure adequate maintenance is regularly performed.

2. Item #1 plus add cellular connectivity so that metered flow can be regularly monitored online for abnormalities by the Township, Pennoni and/or Big Fish.

3. Installation of a manhole/vault with meter inside the fence line upstream of the screen building; however, there were apparent prior concerns about this location due to the flatness of the pipe and solids build-up that occurs.

4. Installation of a manhole with meter between the screen building and the influent pump station, but there may not be an adequate distance of straight pipe diameters in this area for a meter to function properly.

5. Abandonment of the existing field meter and installation of a meter on the recycle piping. The recycle flow could then be subtracted from the influent pump station flow to determine non-recycle influent flow as required by PADEP. This is generally not recommended since PADEP has directed metering be on the influent piping.

RCSTP and Pump Stations' O&M Manual

- We recommend the Manual be revisited in July-August 2018 to determine if updates are needed and/or if new information has become available to incorporate.

Supplee Valley Pipe Lining

- SWERP completed lining of all contracted sewers on February 21. They subsequently installed supplemental lateral saddle liners in 3 of 6 locations in April that were approved via change order.

- They performed the injection grouting of leaks in two manholes on August 3. We are still awaiting a schedule for the remaining two lateral spot repairs that were previously approved via change order.

Barkway Pump Station Grinder

- We met with Mark Miller on June 5 to review our design plans. We are re-evaluating the feasibility of coring the wet well to run the hydraulic lines rather than entering through the top of the wet well steel hatch. However, a site investigation is required to accurately determine coring feasibility due to inconsistencies in how the foundation is shown on the original pump station design plans. The design plans will be finalized thereafter. *No update since our last report.*

Ashbridge Pump Station Force Main

- Test pits will be performed to identify backfill conditions along Manley Road with one test pit on Edith Road, as recommended by the Municipal Authority, when weather permits. *No update since our last report.*

Tallmadge Drive Sewer Main Replacement

- Bids were received on August 7, and a bid tabulation was submitted to the Township. We are processing bids and will provide an award recommendation letter prior to the August MA meeting.

I&I Support and Reporting

- We intend to analyze meter data and submit the next semi-annual I&I report following completion of the Supplee Valley pipe lining project so that the impact of that project can be assessed. That report will likely be issued in the July-August timeframe. We propose to make a summary Powerpoint presentation at the MA meeting immediately thereafter. *No update since our last report.*

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.

Capital Improvement Planning

- We reviewed the 5-year capital improvement plan budget and provided comments to the Township.

3. Big Fish Environmental Services – Scott’s report showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted effluent discharge limitations during the month of June 2018. Discharge to the Applebrook storm water lagoon continued during the month. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. Scott mentioned that Bill Collins is the new DEP inspector and recently did an inspection. A report should be received soon.

Approval of Minutes

The minutes of the July 9, 2018 meeting were approved as corrected.

Approval of Invoices

1. Phil moved to approve payment of the Gawthrop Greenwood Invoice #197989 for \$300.00. Dana seconded the motion. The motion passed unanimously.
2. Two Pennoni invoices were discussed but had not gone through the normal process so they will be approved at the September meeting.

Liaison Reports

Board of Supervisors - Jon reported that they approved a new Pipeline Taskforce consisting of 7 members. The Food Truck Festival is scheduled for Saturday August 25, 2018. The BOS is in police negotiations. Milltown Dam update – Public Works has removed what they can. Bid notices will go out in 2020. So far a grant for \$500,000 has been received. Marydell pond dredging will start soon.

Financial Reports

Jon Altshul provided the following written report:

In July, the Municipal Authority recorded \$1,985 in income (including \$2,000 for the Three Tun Tavern tap-in fee and -\$15.00 for banking fees) and \$19,160 in expenses (primarily for engineering), for a negative variance of -\$17,174.42. The fund balance is \$7,836.

Note that the 2018 budget has been amended to reflect \$14,000 for Tallmadge Drive engineering per the decision at the July meeting. Jon provided an updated proposed sewer CIP worksheet for review.

Talmadge Drive Bid Award

After review of the Bid Tabulations and Pennoni recommendation letter, Phil moved to approve the bid of \$84,961.50 from Iron Eagle Excavating. Dana seconded the motion. The motion passed unanimously.

Any Other Matter

Mark Miller will try to set up a site visit at the Westtown Pump station before the September meeting at 5:30 pm with the regular meeting to start at 7:30 pm.

Adjournment

There being no further business, Dana moved to adjourn the meeting. Phil seconded the motion. The meeting was adjourned at 8:00 p.m. The next regular meeting will be held on Monday, September 10, 2018 at 7:00 pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary