

EAST GOSHEN MUNICIPAL AUTHORITY

December 10, 2018

7:00 PM

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

- a. Director of Public Works Report.
- b. Pennoni Engineer's Report.
- c. Big Fish Environmental Report.

4. APPROVAL OF MINUTES

- a. November 19, 2018

5. APPROVAL OF INVOICES

Pennoni Invoice #832260	\$ 113.75
Pennoni Invoice #832261	\$ 1,889.25
Pennoni Invoice #832262	\$ 332.25
Pennoni Invoice #832263	\$ 552.25

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. November Financial Report

8. OLD BUSINESS

- a.

9. GOALS

- a. Continue to monitor the upgrades at West Goshen Sewer Plant. Jack and Phil have been attending meetings.
- b. Continue to implement the I&I Plan – 3-8-2018 completed
- c. Submit articles for the newsletter – The fall newsletter included an article about flushable wipes; the winter newsletter was submitted with an article about the improvements at WGSTP.

10. NEW BUSINESS
 - a. 2019 Fee schedule and Annual Services from Pennoni
 - b. Request approval for the Roto mat Screen Segment
 - c. Maillie requested an audit of net position
11. CAPACITY REQUESTS
12. ANY OTHER MATTER
13. CORRESPONDENCE AND REPORTS OF INTEREST
 - a. FYI – Annual Planning Session January 12, 2019 8:00 am
14. PUBLIC COMMENT
15. ADJOURNMENT

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

December 7, 2018

To: Municipal Authority
From: Mark Miller
Re: November 2018 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 833,000 gallons per day. No problems to report.

Meters: The meters were calibrated two weeks ago. The field meter at Ridley has been removed and sent back to HACH for repairs. The temporary flow meter that was at the Hershey Mill Pump Station has been removed. I'm waiting on John Laidly to forward me the data.

C.C. Collection: The pump stations were visited on a daily basis with no problems to report. We cleaned and televised 3,850 linear feet of pipe in various developments. The sump connection that we located has been disconnected. When I met with the resident, I inspected the line and viewed that the pump has been removed from the system. The new pumps that we had to order to replace the pumps at the Barkway Pump Station have arrived and will be installed next week. The Public Works Department has been going out in the middle of the night and pulling manholes to locate high flows and then isolating them. We are trying to locate INI, so far we have located 5 sources of **infiltration**.

R.C. Collection: We televised and cleaned the following development: Lochwood Chase, Fairway Village and Bittersweet Development. We located 4 areas of **infiltration** all have been repaired. We located a large leak at the sewer lateral at the Blacksmith shop. On Thursday of last week we repaired a significant leak in Hershey Mill development. We also attacked the Ridley Creek system as well, we were looking for **Infiltration**.

Ridley Creek: We cleaned the grit chamber in the screen building and also cleaned the brush and bamboo from the fence line.

Tallmadge Drive sewer replacement has been interesting to say the least. The contractor has cored the manhole and installed some pipe, this is not going very fast. Matt and I are inspecting the site on a daily basis. We are currently waiting for some elevation work to get completed.

1603 East Boot Road has been connected to our sewer system.

Alarms:

We responded to 23 alarms for the month of November.

PA One Calls:

We received 64 PA One calls in November.

Rainfall:

November rainfall total was 8.15 inches.

Pipe Separated Hershey Mill





Christiana Executive Campus
121 Continental Drive, Suite 207
Newark, DE 19713
T: 302-655-4451
F: 302-654-2895

www.pennoni.com

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
December 7, 2018**

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- No activity since last report.

RCSTP and Pump Stations' O&M Manual

- We recommend the Manual be revisited to determine if updates are needed and/or if new information has become available to incorporate now that it has been in place for over one year.

Supplee Valley Pipe Lining

- Prevailing wage discrepancies were resolved by the contractor, which was the final closeout item needed to make final payment. It is our understanding that final payment was made to the contractor thereafter.

Barkway Pump Station Grinder

- We have continued redesign and vendor coordination for an external Muffin Monster in a prefabricated manhole.

Ashbridge Pump Station Force Main

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

Tallmadge Drive Sewer Main Replacement

- The contractor began work on November 26. Groundwater and wet/loose soil conditions have dramatically impacted the contractor's progress and have caused him to fall behind his proposed schedule. The size of trench restoration and associated trenching, aggregate, and paving costs are increasing as a result.
- The contractor has completed installation of the 125 LF downstream pipe run and the replacement manhole. However, the pipe run was installed too high due to a contractor survey error. The contractor will coordinate with a surveyor at his own expense to determine if the upstream run can be installed at an acceptable, shallower slope to compensate for the higher downstream piping.
- Construction will likely run past the required December 14 contract cutoff completion date (20 consecutive calendar days). An exact completion date will not be known until the survey has occurred. The contractor will notify residents of updates to the construction schedule.
- The Public Works Department will install temporary hot mix asphalt paving upon completion of the work.

I&I Support and Reporting

- It has been determined that instantaneous meter data is not available for the permanent meters, so we have initiated a limited analysis of all permanent meters based on daily flow data, and we are preparing a semi-annual I&I report accordingly. The Township is coordinating with the metering company to add instantaneous metering capabilities if possible. *No update since our last report.*

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.

Hershey's Mill Pump Station

- We continued to evaluate electrical problems via discussions with the generator mechanic and evaluation of electrical test data provided by the mechanic. Our updated observations and recommendations will be provided separately.



**RCSTP Monthly Operations
Report:
December 2018**

Executive Summary

The Ridley Creek sewage treatment plant outfalls 001 and 002 is anticipated to achieve compliance with the permit discharge limitations for the month of November 2018. Discharge to the Applebrook irrigation lagoon remained off line during November 2018. 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.

Treatment Process Operation

Table 1 illustrates the revised final effluent composite sample data reported for outfall 001 for the October 2018 DMR.

Table 1

October 2018 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD		lbs/ month		lbs/ month		lbs/ month		lbs/ month	Geo Mean	Geo Mean
	Average	mg/L		mg/L		mg/L		mg/L			
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
October 2, 2018	0.360	2.8	8.4	2	6.0	0.11	0.32	0.18	0.54	1	0.0000
October 5, 2018	0.305			3	7.6						
October 9, 2018	0.420	2.0	7.0	3	10.5	0.108	0.38	0.13	0.46	1	0.0000
October 11, 2018	0.459			3	0.0						
October 16, 2018	0.419	3.1	10.8	2	0.0	0.100	0.35	0.11		1	0.0000
October 23, 2018	0.370	4.1	12.7	2	0.0	0.138	0.43	0.18	0.56	1	0.0000
October 26, 2018	0.310			3	0.0						
October 30, 2018	0.389	3.4	11.0	2	6.5	0.100	0.32	0.33	1.07	1	0.0000
Average	0.379	3.1	10.0	3	3.8	0.111	0.36	0.19	0.66	1	0.0000
Minimum	0.305	2.0	7.0	2	0.0	0.100	0.32	0.11	0.46	1	0.0000
Maximum	0.459	4.1	12.7	3	10.5	0.138	0.43	0.33	1.07	1	0.0000

The difference in the initial and revised report is the missing CBOD₅ data for October 30th. The results were received on December 5th and updated for the DMR reporting. The difference in the initial and revised reports include the monthly average CBOD₅



**RCSTP Monthly Operations
Report:
December 2018**

concentrations reported as 3.4 mg/L with a corresponding organic loading of 11.0 lbs/day. The remainder of the reported values remained unchanged. The facility remained within compliance with the NPDES DMR discharge permit limitations for October.

Table 2 illustrates the preliminary final effluent composite sample data for outfall 001 for the November 2018 DMR

Table 2

November 2018 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
November 1, 2018	0.369			4	12.3						
November 6, 2018	0.544	2.0	9.1	2	9.1	0.11	0.50	0.10	0.45	1	0.0000
November 13, 2018	0.594	2.7	13.4	2	9.9	0.100	0.50	0.13	0.64	1	0.0000
November 15, 2018	0.655			4	21.9						
November 20, 2018	0.556	3.5	16.2	2	9.3	0.129	0.60			1	0.0000
November 23, 2018	0.524										
November 27, 2018	0.595	2.0	9.9								
Average	0.578	2.6	12.2	3	12.5	0.113	0.53	0.12	0.55	1	0.0000
Minimum	0.524	2.0	9.1	2	9.1	0.100	0.50	0.10	0.45	1	0.0000
Maximum	0.655	3.5	16.2	4	21.9	0.129	0.60	0.13	0.64	1	0.0000

The treatment process performed well during November with no abnormalities. The process monitoring, and control data indicates the facility will remain within compliance of the NPDES permit.

There was no discharge to the Applebrook outfall 002 during November 2018.

The monthly average influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations. There were periodic BOD₅ and TSS sample concentration atypically less than "normal" conditions. Although these samples are collected from the influent flow



**RCSTP Monthly Operations
Report:
December 2018**

meter located prior to the Screening Building which excludes the internal recycle flows, debris can accumulate around the sampler suction line impacting the pollutant concentrations measured.

Table 3 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during November 2018.

Table 3

November 2018 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
November 6, 2018	0.665	58.8	326	63	349	21.2	118	27.0	150	4.7	26.1
November 13, 2018	0.657	122	677	28	155	19.8	109	19.0	104	2.6	14.4
November 20, 2018	0.657	305	1,692	148	821	27.2	149				
November 27, 2018	0.723	138	765								
Average	0.676	156	865	80	442	22.7	125	23.0	127	3.7	20.2
Minimum	0.657	59	326	28	155	19.8	109	19.0	104	2.6	14.4
Maximum	0.723	305	1,692	148	821	27.2	149	27.0	150	4.7	26.1

Continued maintenance activities of cleaning the alum static mixer injector, flushing of the alum chemical piping to the SBRs and weekly draining and cleaning of the disc filters.

The foam on the SNR surface remained consistent at approximately 75% to 100% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. The colder water temperatures within the SBRs historically contributes increasing the foam concentrations.

As of December 5, 2018, there is no analytical data available from the certified contract laboratory for samples collected during December. Having said that, the first samples in December were collected on December 4th. Standard turnaround



**RCSTP Monthly Operations
Report:
December 2018**

time from collection to final test results is 2 weeks. At the time of this report, there are no indications that the treatment process will not achieve compliance with the DMR.

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 are in service during November and December. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. Soda ash assists towards maintaining SBR pH concentrations above 7.0 standard units and assists to replenish alkalinity consumed during the nitrification process and aluminum sulfate solution addition.

Significant Rainfall

During November, there were fourteen (14) days when rainfall occurred. Seven (7) storm events resulting in a daily precipitation amount equal to or greater than 0.50 inches measured during a 24-hour period as well as consecutive days of precipitation exceeding 0.5 inches of rainfall. A total of 8.96 inches of rainfall measured during the month. These events occurred on:

November 3 rd	1.10 inches
November 4 th	0.50 inches
November 5 th	0.29 inches
November 6 th	0.91 inches
November 7 th	0.11 inches

Five (5) consecutive days of rainfall totaling 2.91 inches

November 9 th	0.87 inches
November 13 th	1.01 inches

November 15 th	0.20 inches
November 16 th	1.16 inches

Two (2) consecutive days of rainfall totaling 1.36 inches

November 25 th	2.13 inches
November 26 th	0.34 inches
November 27 th	0.29 inches

Three (3) consecutive days of rainfall totaling 2.76 inches



**RCSTP Monthly Operations
Report:
December 2018**

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001. Adjustments included reducing aeration minutes per cycle, extending decant minutes per cycle and reducing settling times.

Rainfall – Year to date total

Year : 2018	
Month	Precipitation, inches
January	2.53
February	6.02
March	3.56
April	4.95
May	6.06
June	2.12
July	7.41
August	9.61
September	10.52
October	3.27
November	8.96
December	
Year to Date	65.01

The average annual rainfall for West Chester, PA is typically 47.1 inches as compared to the national average of 39 inches. Rainfall measured at RCSTP for the 2018 calendar year is tracking 17.91 inches above the typical average, excluding the month of December. As a result, the groundwater table is elevated.

PA DEP

No activity.

Solids Dewatering and Disposal:

November 2018	
Gallons of sludge dewatered	306,733
Number of dumpsters	5

**Eighteen (18) days of centrifuge operation*

An increase of 24,873 gallons of sludge was dewatered during November as compared to October.



**RCSTP Monthly Operations
Report:
December 2018**

Chemical Usage:

November 2018		
Chemical	Daily Average	Total Monthly
Soda Ash	317	9,000
Aluminum Sulfate solution	82.5	2,394
Polymer (centrifuge)	0.85	15.3 gallons

**Eighteen (18) days of centrifuge of operation*

The alum feed increased by an average of 48.3 gallons per day during November. This is attributed to the lower water temperatures and reduced biological activity.

Flow data:

November 2018			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	Flow Meter removed for rebuild		
Influent Wastewater to SBRs	19.679	655,966	952,448
Internal Recycle	NA	NA	NA
Treated Effluent to Disc Filters	19.332	644,416	934,144
Final Effluent Discharge	16.375	545,833	797,000
Applebrook Golf Course	0	0	0

Influent wastewater flow measurements to the SBRs are bring used for DMR and Chapter 94 reporting. These flow measurements are typically 10 to 15% above the flow from the community when the internal recycle flow volumes are removed.

Minor Preventative Maintenance

Flushed chemical feed lines to the SBRs.

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly



**RCSTP Monthly Operations
Report:
December 2018**

Major Preventative Maintenance Activities

UV System

Parts were identified to repair and replace the electrical connections at a considerable savings as compared to sending the UV banks to Siemens for rebuilding. Replacing one UV bank with plant staff is recommended and proposed to be evaluated for a period of two months.

Generator Number 2

On November 28th, generator number 2 at the plant failed to for its weekly exercise. Attempted start the generator manually with no success. It looks like 1 of the 2 batteries have failed. Batteries have a date of 1/2016. Recommend new batteries.

Influent Grit Chamber

Township staff cleaned the grit chamber on Friday, November 30th at 4:00 am.

Influent Flow Meter located in the "field"

Township staff removed the meter in the field and sent back to the factory for repair.

Screening Building

On Friday, November 30th, Rick Smith and Mark Miller visited RCSTP. During their visit, they reported that the Fine Screening building was not maintained to the Township/Municipal Authority's expectations. This was brought to the attention of BFESI to immediately correct the situation. Corrections were implemented and presented below are below and after photos. The remainder of the facility was in a condition which met the expectations of the Township/Municipal Authority.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
November 19, 2018

The East Goshen Township Municipal Authority held their regular public meeting on Monday, November 19, 2018 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Jack Yahraes, Phil Mayer and Kevin Cummings. Also in attendance were: Jon Altshul (Asst. Township Manager), Mark Miller (Public Works Director), Michael Ellis (Pennoni), Carmen Battavio (Supervisor), Jessica K. 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 & 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.
Jack asked if anyone would be recording the meeting. There was no response.

Chairman's Report

1. Jack was unable to attend the last West Goshen meeting.
2. Phil mentioned that Josh Fox of HRG, provided a spreadsheet of a summary of West Goshen costs as of March 2018. He wanted to use the costs in his article for the newsletter. Jon mentioned that he has a more current report.

Sewer Reports

1. Director of Public Works, Mark Miller's report for October:

Monthly Flows: The average daily flow to West Goshen was 653,899 gallons per day. No problems to report.

Meters: The meters are being read on a daily basis. With all the rain the flows are up. We put a temporary meter on at the Hershey Mill Pump Station to check on the accuracy of the current meter. I will have the results for the next meeting. Mark will pull the meter at Ridley Creek and send it back to be recalibrated.

C.C. Collection: The pump stations were visited on a daily basis, wet wells were washed down and general housekeeping was completed. We had some minor power issues on the night of November 2nd at the Barkway Pump Station.

R.C. Collection: On the night of November 2nd, a severe storm came through causing problems with the power grid. The first of a series of alarms started coming in at 9:45 pm. The Hershey Mill Pump Station was the first alarm. This was for a pump failure followed by a High Lever alarm. When we arrived at the pump station, we found both pumps tripped out

and the generator was running. Unfortunately the generator had taken a surge and could not generate power. The VFD's were both down. We called Lenni Electric and Paul Siddel our generator contractor. We called in pump trucks to pump and haul until we could get the pumps up and running again. At 2:00 am we were able to get the pumps running. However; at 3:30 am we lost the VFD for pump #2 but we were able to keep pump #1 running. We then sent the pump trucks home around 4:00 am. We located a portable generator in southern Delaware and sent two men down to pick it up. Once they got back we ran temporary wiring to the station. We cleared the station at 4:00 pm on Saturday. I will explain where we are today with regards to the pump station.

We televised Hershey Mill Estates and found 12 breaks and 4 laterals that are in need of repairs. The breaks are taking in a lot of water. Rather than digging them up, we will be doing point repairs. It will be done in-house (cost \$5,000) rather than out sourcing (\$20,000 cost).

Ridley Creek: Was on emergency power Saturday into Sunday afternoon. We also had an issue with the phone service, which only took a week to get resolved.

Alarms: We responded to 43 alarms for October.

PA One Calls: We received 66 PA One calls for October.

Rainfall: October rainfall total was 3.78 inches.

2. Pennoni Engineer's Report for October

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic soda pilot study – The final summary and recommendations report was issued on October 10, 2018.
- SBR Coatings –
 - We will conduct a visual inspection of the concrete and coating conditions in the next tank when it is taken offline, which we understand had been tentatively scheduled for November.
 - It is our understanding that the warranty expires in October 2019.

RCSTP and Pump Stations' O&M Manual

- We recommend the Manual be revisited to determine if updates are needed and/or if new information has become available to incorporate now that it has been in place for over one year.

Supplee Valley Pipe Lining

- A final payment recommendation letter was submitted prior to the October MA meeting with a recommended condition that payment not be physically made until all contract closeout documents were submitted including prevailing wage rate certifications. As of this report, we

are coordinating with the contractor to resolve prevailing wage rate discrepancies. All other closeout documents have been submitted and are acceptable.

Barkway Pump Station Grinder

- We have initiated redesign and vendor coordination for an external Muffin Monster in a prefabricated manhole.

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

- The contractor plans to start work on November 26 and be complete by December 7. However, they may perform some limited mobilization and pavement sawcutting for one day the week of November 19. The contract allows for 20 consecutive calendar days to complete the work.
- We have reviewed shop drawings and coordinated with the contractor on pre-construction matters such as schedule and detailed bypass pumping approach. We prepared a notice for property owners with detailed schedule information.

I&I Support and Reporting

- It has been determined that instantaneous meter data is not available for the permanent meters, so, we have initiated a limited analysis of all permanent meters based on daily flow data, and we are preparing a semi-annual I&I report accordingly. The Township is coordinating with the metering company to add instantaneous metering capabilities if possible

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.

Hershey's Mill Pump Station

- We performed a site investigation of recent electrical problems and we submitted a memo to the Township with observations and recommendations.

[illegible][illegible]

T

[illegible]

and re-rate the station will be required prior to new connections.

1 **3. Big Fish Environmental Services** – Scott’s report showed that the Ridley Creek sewage
2 treatment plant outfall 001 and 002 is anticipate to achieve compliance with the permitted effluent
3 discharge limitations during the month of October 2018. Discharge to the Applebrook irrigation
4 lagoon was discontinued beginning October 9th. Chemical usage utilized for total phosphorus
5 removal, pH and total alkalinity remained consistent with previous months. No significant
6 mechanical or operational issues were observed during operation of sludge dewatering equipment or
7 SBR treatment process.

8
9 **Approval of Minutes**

10 The minutes of the October 8, 2018 meeting were approved.
11

12 **Approval of Invoices**

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

14	Pennoni invoice #827473	\$ 1,069.82
15	Pennoni invoice #827474	\$ 341.25
16	Pennoni invoice #827475	\$ 2,304.75
17	Pennoni invoice #827476	\$ 4,073.75
18	Pennoni invoice #827477	\$ 1,380.75

19 Phil seconded the motion. The motion passed unanimously.

20 2. Phil moved to approve payment of Gawthrop Invoice #201997 in the amount of \$795.94. Kevin
21 seconded the motion. The motion passed unanimously.
22

23 **Liaison Reports**

24 **Conservancy Board** – Walter reported that they did a site walk on November 10 in Clymers Woods.
25 On December 1st they will spread wood chips.

26 **Board of Supervisors** – Carmen reported that they are getting more information on the proposal to
27 amend R2 section of the ordinance; Jon gave a Budget proposal for 2019; the proposed amendment
28 to the ordinance regarding chickens will be reviewed at the next meeting; and they are considering
29 making the Fire Marshall a staff member.
30

31 **Financial Reports**

32 Jon Altshul provided the following written report:

33 In October, the Municipal Authority recorded \$1,985 in income (a tap-in fee for 1603 E. Boot, net of
34 banking fees) and \$6,173 in expenses, including \$4,839 for general engineering and \$1,334 for
35 Tallmadge Drive engineering for a negative variance of \$4,188. As of October 31, the fund balance
36 was \$16,554.

37 Jon mentioned that he presented the Township Budget to the BOS. He combined funds going to the
38 MA and will pay out of MA accounts. He explained what items will be paid out of which MA
39 account. There is no Misc. line item. The Sewer Operating Fund only had a 1.8% increase. He will
40 get a proposal from the auditors for the next meeting.
41

42 **New Business**

43 1. Gawthrop Legal Fees – As per the letter from Gawthrop, they aren’t increasing their fee this year.
44 It will remain at \$200 per hour. Phil moved to accept the Gawthrop letter regarding 2019 fees. Jack
45 seconded the motion. The motion passed unanimously.
46

1
2
3
4 **Any Other Matter**

5 1. Charter Chase – Jon mentioned that at the public meeting about the ordinance amendment, there
6 were 2 comments from the public regarding sewer install in Charter Chase. Jon mentioned that when
7 a poll was done in 2000 about this, the response showed that there was no interest in this. Kevin
8 suggested looking at current expected cost with inflation and send a letter to their association.

9 2. Stormwater Management – Kevin pointed out that there was an article on this topic in the recent
10 Authority Magazine. There was some discussion.
11
12

13 **Adjournment**

14 There being no further business, Phil moved to adjourn the meeting. Jack seconded the motion. The
15 meeting was adjourned at 8:00 p.m. The next regular meeting will be held on Monday, December 10,
16 2018 at 7:00 pm.
17

18 Respectfully submitted,
19
20

21 Ruth Kiefer
22 Recording Secretary



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

Remit Payment To:
Pennoni
P.O. Box 827328
Philadelphia, PA 19182-7328

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 832260
Invoice Date : 11/20/2018
Project : EGMAU17007
Project Name : Supplee Valley CIPPL Construction

For Services Rendered through: 11/11/2018

"FINAL INVOICE" Reviewed remaining closeout documents and prevailing wage rate certifications from contractor; and coordinated with Township on making final payment.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	113.75
Expense :	0.00
Phase Total :	113.75

Amount Due This Invoice

\$113.75

Fee :	15,000.00
Prior Billings :	14,873.50
Current Billings :	113.75
Total Billings :	14,987.25

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Associate Professional	1.25	91.00	113.75
Labor Total:	1.25		113.75

Total Phase : **** -- Professional Services

Labor :	\$113.75
Expense :	\$0.00

Total Project : EGMAU17007 -- Supplee Valley CIPPL Construction

Labor :	\$113.75
Expense :	\$0.00

OK

12/7/18

East Goshen Municipal Authority
EGMAU17007 Invoice Summary
Invoice Date 11/20/2018

Project: EGMAU17007
Pennoni Job No.: Suplee Valley CIPPL Construction
Invoice No: 832260
Invoice Period: 10/15/2018 to 11/11/2018
Initial Authorization: \$ 12,000.00 **Date:** 11/20/2018
Contract Amount: \$ 15,000.00
Previously Invoiced: \$ 14,873.50
Current Invoice: \$ 113.75
Invoiced to Date (\$): \$ 14,987.25
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 12.75
Remaining Budget (%): 0%

Budget by Phase:

Phase Name: Suplee Valley CIPP
Phase Budget: \$ 15,000.00
Previously Invoiced: \$ 14,873.50
Current Invoice: \$ 113.75
Invoiced to Date (\$): \$ 14,987.25
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 12.75
Remaining Budget (%): 0%

Comments: **FINAL INVOICE** Reviewed remaining closeout documents and prevailing wage rate certifications from contractor; and coordinated with Township on making final payment.



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

Remit Payment To:
Pennoni
P.O. Box 827328
Philadelphia, PA 19182-7328


Louis F. Smith, Twp Mgr.
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice # : 832261
Invoice Date : 11/20/2018
Project : EGMAU18001
Project Name : 2018 General Services

For Professional Services Rendered through:11/11/2018

Hershey's Mill Pump Station electrical assessment: site visit by Authority Engineer and Electrical Engineer to assess VFD, surge, and other electrical issues; researched and reviewed project files and past electrical testing information; initial discussion with generator mechanic about generator issues; prepared memo with initial observations and recommendations; and conceptual scoping for generator replacement.

Phase Code	Phase Name	Fee Type	Contract Amount	Previously Billed	Current Billing	Total Billing	Remaining	% Complete
****	Professional Services	NTE	\$ 28,000.00	\$ 22,113.75	\$ 1,889.25	\$ 24,003.00	\$ 3,997.00	85.73%
Subtotal:			\$	22,113.75	\$ 1,889.25	\$ 24,003.00		
Total:			\$	22,113.75	\$ 1,889.25	\$ 24,003.00		
Total Amount Due							\$	1,889.25


12/7/18

...Continued from previous page

Phase : **** -- Professional Services

Rate Schedule Labor

<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Authority Engineer	7.75	123.00	953.25
Senior Professional	8.00	117.00	936.00
Rate Schedule Labor			1,889.25
Total Phase : **** -- Professional Services			1,889.25

Total Project : EGMAU18001 -- 2018 General Services**1,889.25**

East Goshen Municipal Authority
EGMAU18001 Invoice Summary
Invoice Date 11/20/2018

Project: EGMAU18001
Pennoni Job No.: 2018 General Services
Invoice No: 832261
Invoice Period: 10/15/2018 to 11/11/2018
Initial Authorization: \$ 18,000.00 **Date:** 11/20/2018
Contract Amount: \$ 28,000.00
Previously Invoiced: \$ 22,113.75
Current Invoice: \$ 1,889.25
Invoiced to Date (\$): \$ 24,003.00
Invoiced to Date (%): 86%
Remaining Budget (\$): \$ 3,997.00
Remaining Budget (%): 14%

Budget by Phase:

Phase Name: 2018 General Services
Phase Budget: \$ 28,000.00
Previously Invoiced: \$ 22,113.75
Current Invoice: \$ 1,889.25
Invoiced to Date (\$): \$ 24,003.00
Invoiced to Date (%): 86%
Remaining Budget (\$): \$ 3,997.00
Remaining Budget (%): 14%

Comments: Hershey's Mill Pump Station electrical assessment: site visit by Authority Engineer and Electrical Engineer to assess VFD, surge, and other electrical issues; researched and reviewed project files and past electrical testing information; initial discussion with generator mechanic about generator issues; prepared memo with initial observations and recommendations; and conceptual scoping for generator replacement.



INVOICE
Newark, DE
302-655-4451 Fax: 302-654-2895

Remit Payment To:
Pennoni
P.O. Box 827328
Philadelphia, PA 19182-7328

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 832262
Invoice Date : 11/20/2018
Project : EGMAU18002
Project Name : 2018 I&I Support and Reports

For Services Rendered through: 11/11/2018

Coordination with Township on meter data for semi-annual report; provided sample correspondence to PW Director for sump pump sewer disconnection letters to residents; and prepared scoping for Hershey's Mill Pump Station capacity analysis and obtained potential replacement pump material costs from vendor.

Phase : ** -- Professional Services**

Total Phase : ** -- Professional Services**

Labor : 332.25
Expense : 0.00
Phase Total : 332.25

Amount Due This Invoice

\$332.25

Fee : 11,000.00
Prior Billings : 6,606.50
Current Billings : 332.25
Total Billings : 6,938.75

Phase : ** -- Professional Services**

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	1.75	123.00	215.25
Senior Professional	1.00	117.00	117.00
Labor Total:	2.75		332.25

Total Phase : ** -- Professional Services**

Labor : \$332.25
Expense : \$0.00

Total Project : EGMAU18002 -- 2018 I&I Support and Reports

Labor : \$332.25
Expense : \$0.00


12/7/18

INVOICES DUE ON RECEIPT. Invoices outstanding over 30 days will have a Service Charge of 1 1/2% per month.

East Goshen Municipal Authority
EGMAU18002 Invoice Summary
Invoice Date 11/20/2018

Project: EGMAU18002
Pennoni Job No.: 2018 I&I Support and Reports
Invoice No: 8332262
Invoice Period: 10/15/2015 to 11/11/2018
Initial Authorization: \$ 11,000.00 **Date:** 11/20/2018
Contract Amount: \$ 11,000.00
Previously Invoiced: \$ 6,606.50
Current Invoice: \$ 332.25
Invoiced to Date (\$): \$ 6,938.75
Invoiced to Date (%): 63%
Remaining Budget (\$): \$ 4,061.25
Remaining Budget (%): 37%

Budget by Phase:

Phase Name: 2018 I&I Support and Reports
Phase Budget: \$ 11,000.00
Previously Invoiced: \$ 6,606.50
Current Invoice: \$ 332.25
Invoiced to Date (\$): \$ 6,938.75
Invoiced to Date (%): 63%
Remaining Budget (\$): \$ 4,061.25
Remaining Budget (%): 37%

Comments: Coordination with Township on meter data for semi-annual report; provided sample correspondence to PW Director for sump pump sewer disconnection letters to residents; and prepared scoping for Hershey's Mill Pump Station capacity analysis and obtained potential replacement pump material costs from vendor.



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

Remit Payment To:
Pennoni
P.O. Box 827328
Philadelphia, PA 19182-7328

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 832263
Invoice Date : 11/20/2018
Project : EGMAU18004
Project Name : Tallmadge Dr Sewer Constr Phase

For Services Rendered through: 11/11/2018

Pre-construction services: reviewed construction submittals and shop drawings; coordinated with contractor and Township on schedule, bypass pumping approach, service lateral outages, work hours, and other matters; and prepared construction notice to residents.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 552.25
Expense : 0.00
Phase Total : 552.25

Amount Due This Invoice

552.25

Fee : 9,000.00
Prior Billings : 2,714.50
Current Billings : 552.25
Total Billings : 3,266.75

Phase : **** -- Professional Services


Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.50	123.00	61.50
Senior Professional	0.50	117.00	58.50
Associate Professional	4.75	91.00	432.25
Labor Total:	5.75		552.25

Total Phase : **** -- Professional Services

Labor : 552.25
Expense : 0.00

Total Project : EGMAU18004 -- Tallmadge Dr Sewer Constr Phase

Labor : 552.25
Expense : 0.00


12/7/18

East Goshen Municipal Authority
EGMAU18004 Invoice Summary
Invoice Date 11/20/2018

Project: EGMAU18004
Pennoni Job No.: Tallmadge Drive Sewer Construction Phase
Invoice No: 832263
Invoice Period: 10/15/2018 to 11/11/2018
Initial Authorization: \$ 9,000.00 **Date:** 11/20/2018
Contract Amount: \$ 9,000.00
Previously Invoiced: \$ 2,714.50
Current Invoice: \$ 552.25
Invoiced to Date (\$): \$ 3,266.75
Invoiced to Date (%): 36%
Remaining Budget (\$): \$ 5,733.25
Remaining Budget (%): 64%

Budget by Phase:

Phase Name: Tallmadge Drive Sewer Construction Phase
Phase Budget: \$ 9,000.00
Previously Invoiced: \$ 2,714.50
Current Invoice: \$ 552.25
Invoiced to Date (\$): \$ 3,266.75
Invoiced to Date (%): 36%
Remaining Budget (\$): \$ 5,733.25
Remaining Budget (%): 64%

Comments: Pre-construction services: reviewed construction submittals and shop drawings; coordinated with contractor and Township on schedule, bypass pumping approach, service lateral outages, work hours, and other matters; and prepared construction notice to residents.

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA November Financial Report & 2019 Proposed Budget
Date: December 6, 2018

In November, the Municipal Authority recorded -\$14.65 in revenues (banking fees) and \$9,966 in expenses, including \$7,790 for general engineering, \$1,381 for Tallmadge Drive engineering and \$796 for legal expenses for a negative variance of \$9,981. As of November 30th, the fund balance was \$6,573.

I have reattached the 2019 proposed Municipal Authority budget. If this is agreeable to you, I would propose the following motion:

Mr. Chairman, I move that we approve the 2019 Municipal Authority budget dated December 4, 2018.

EAST GOSHEN TOWNSHIP
2019 Proposed Budget, December 4, 2018
For Adoption

Account Title	Acct #	2015 Actual	2016 Actual	2017 Actual	2018 Adopted	2018 Y/E Projection	2019 Proposed	\$ Increase	% Increase
MUNICIPAL AUTHORITY									
BEGINNING FUND BALANCE						142,331	1,928		
REVENUE									
INTEREST EARNINGS	07341 1000	11	(28)	8	10	(100)	-	100	-100.0%
INTEREST EARNED - CONSTRUCTION	07341 1020	1,494	2,573	10,353	50	614	-	(614)	-100.0%
DCED GRANT	07354 0400	37,162	-	-	-		32,307	32,307	
C.C. TAPPING FEES	07364 1100	27,600	6,000	8,000	8,000		-	-	
R.C.TAPPING FEES	07364 1110	16,296	43,300	-	2,000	2,000	(2,000)	(2,000)	-100.0%
CONNECTION FEES - SEWER	07364 1130	1,269	1,128	1,128	1,692	1,128	(1,128)	(1,128)	-100.0%
MISCELLANEOUS REVENUE	07380 1000	423	564	564	-	565	(565)	(565)	-100.0%
TRANSFER FROM GENERAL ACCT	07392 0100	-	-	-	-	71	(71)	(71)	-100.0%
TRANSFER FROM SEWER OPERATING	07392 0500	40,000	77,000	185,000	89,853	102,000	311,118	209,118	205.0%
TRANSFER FROM SEWER CAP RESV	07392 0501						357,000	357,000	
TOTAL REVENUE		124,255	130,537	205,053	101,605	106,278	700,425	594,147	559.0%
EXPENSES									
ADMINISTRATIVE WAGES	07424 1400	32,303	30,166	30,896	32,411	32,410	32,000	(410)	-1.3%
MISCELLANEOUS EXPENSE	07424 3000	1,468	1,742	3,189	2,500	2,200	2,262	62	2.8%
MUNIC.AUTH.-AUDITING	07424 3110	8,900	8,900	9,200	9,384	9,400	9,663	263	2.8%
ENGINEERING SERVICES	07424 3130	33,525	54,100	82,530	43,260	70,000	70,000	-	0.0%
LEGAL SERVICES	07424 3140	4,100	8,593	14,438	-	6,000	8,000	2,000	33.3%
TALLMADGE DRIVE	07426 3000	-	-	-	14,000	24,144		(24,144)	-100.0%
RESERVOIR PUMP STATION - ENGINEER	07428 1000	144,451	44,571	16,461	-	188	(188)	(188)	-100.0%
RELINING	07429 1500						130,000	130,000	
BARKWAY PUMP STATION CAPITAL	07429 1501						67,000	67,000	
ASHBRIDGE PUMP STATION CAPITAL	07429 1502						-	-	
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503						125,000	125,000	
HUNT CO PUMP STATION CAPITAL	07429 1504						87,000	87,000	
RCSTP CAPITAL	07429 1501						169,500	169,500	
WEST GOSHEN CAPITAL	07429 6100	-	-	1,265,670	59,736	102,339	(102,339)	(102,339)	-100.0%
M.C.-DVRFA-DEBT SERVICE	07471 1000	23,240	24,921	54,040	-		-	-	
M.A.-R.C. DEBT SERVICE	07471 1010	-	-	1,948	-		-	-	

EAST GOSHEN TOWNSHIP
2019 Proposed Budget, December 4, 2018
For Adoption

Account Title	Acct #	2015 Actual	2016 Actual	2017 Actual	2018 Adopted	2018 Y/E Projection	2019 Proposed	\$ Increase	% Increase
M.C.-DVRFA-INTEREST PAYMN	07472 1000	4,169	3,171	-	-	-	-	-	-
TRANSFER TO GENERAL FUND	07492 0100	-	-	-	-	-	-	-	-
TOTAL EXPENSES		252,156	176,163	1,478,372	161,291	246,681	700,425	453,744	183.9%
NET RESULT FROM OPERATIONS		(127,900)	(45,626)	(1,273,319)	(59,686)	(140,403)	-	-	-
ENDING FUND BALANCE						1,928	1,928		

EAST GOSHEN TOWNSHIP
Other Funds
November 2018
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
REVENUE								
INTEREST EARNINGS	07341 1000	10	10	(130.32)	(140.32)	1	(14.65)	(15.65)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020	50	50	613.94	563.94			
DCED GRANT	07354 0400							
C.C. TAPPING FEES	07364 1100	8,000	4,000		(4,000.00)			
R.C.TAPPING FEES	07364 1110	2,000	2,000	4,000.00	2,000.00			
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130	1,692	846	1,127.52	281.52			
MISCELLANEOUS REVENUE	07380 1000			564.51	564.51			
TRANSFER FROM GENERAL ACCT	07392 0100			71.30	71.30			
TRANSFER FROM SEWER OPERATING	07392 0500	89,853	69,531	90,000.00	20,469.00	6,321		(6,321.00)
TRANSFER-ANNUAL CAP.RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900							
TOTAL REVENUE		101,605	76,437	96,246.95	19,809.95	6,322	(14.65)	(6,336.65)
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	32,411	24,308	24,703.02	(395.02)			
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000	2,500	2,291	1,336.00	955.00	208		208.00
MUNIC.AUTH.-AUDITING	07424 3110	9,384	9,384	9,400.00	(16.00)			
ENGINEERING SERVICES	07424 3130	43,260	39,655	71,071.71	(31,416.71)	3,605	7,789.57	(4,184.57)
LEGAL SERVICES	07424 3140			4,215.94	(4,215.94)		795.94	(795.94)
W.G. C.C.STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440							
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
CAP.REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHBRIDGE	07424 7491							
HERSHEY MILL STATION - ENGINEER	07426 1000							
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000	14,000	12,833	18,680.50	(5,847.50)	1,167	1,380.75	(214.08)
RESERVOIR PUMP STATION - ENGINEER	07428 1000			188.00	(188.00)			

EAST GOSHEN TOWNSHIP
Other Funds
November 2018
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
WEST GOSHEN CAPITAL	07429 6100	59,736	59,736	102,339.08	(42,603.08)			
M.C.-DVRFA-DEBT SERVICE	07471 1000							
M.A.-R.C. DEBT SERVICE	07471 1010							
DVRFA PUMPING STATIONS - PRINCIPAL	07471 2000							
M.C.-DVRFA-INTEREST PAYMEN	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
TRANSFER TO GENERAL FUND	07492 0100			71.30	(71.30)			
TRANSFER TO SEW. OPERATING	07492 0500							
TRF TO SEWER SINKING FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
TOTAL EXPENSES		161,291	148,207	232,005.55	(83,798.55)	4,980	9,966.26	(4,986.59)
NET RESULT FROM OPERATIONS		(59,686)	(71,770)	(135,758.60)	(63,988.60)	1,342	(9,980.91)	(11,323.24)

East Goshen Township General Ledger

Report Date 12/06/18

GL Transaction Details

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Acct #	Per	Src	Trx #	Debits	Credits	Bag/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	INTEREST	EARNINGS				0.00				
	1801	JE	61740		0.31		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND
	1801			0.00	0.31	-0.31				
	1802		61932		0.20		02/14/18	INTEREST		INTEREST ADJ. FROM JAN.2018 7105.2000
			62159		0.54		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
	1802			0.00	0.74	-1.05				
	1803	EX	62192	15.00			03/06/18	62192	1	REIMBURSE S/R FOR BANK FEES INTEREST EARNINGS
		JE	62535		0.47		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
	1803			15.00	0.47	13.48				
	1804	EX	62551	15.00			04/02/18	62551	1	REIMB.S/R FOR 3/2018 BANK FEES INTEREST EARNINGS
		JE	62904		0.55		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
	1804			15.00	0.55	27.93				
	1805	EX	62911	15.00			05/01/18	62911	1	REIMBURSMT- 4/2018 BANK FEES INTEREST EARNINGS
			63388	15.00			06/01/18	63388	1	BANK FEES - MAY 2018 INTEREST EARNINGS
			63449		15.00		06/05/18	REVERSE		REVERSE TRX 63388 EXPENSE TO BE ENTERED IN JUNE NOT MAY
		JE	63377		0.51		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
	1805			30.00	15.51	42.42				
	1806	EX	63459	15.00			06/05/18	63459	1	REIMBURSE S/R FOR MAY '18 FEES INTEREST EARNINGS
		JE	63815		0.40		07/03/18	INTEREST		INTEREST EARNED JUNE 2018 07100.1035
	1806			15.00	0.40	57.02				

East Goshen Township General Ledger

Report Date 12/06/18

GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	1807	EX 63820	15.00			07/03/18	63820 5		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
		64317		15.00		07/30/18	64317 1		REVERSE EXP.TRX 63820 M&T BANK - GEN'L CHKG # 98526374
		64322	15.00			07/30/18	64322 1		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
	JE	64264		0.40		08/02/18	INTEREST		INTEREST EARNED JULY 2018 07100.1035
1807			30.00	15.40	71.62				
1808	EX	64289	15.00			08/03/18	64289 1		REIMBURSE S/R - 7/2018 BK FEES INTEREST EARNINGS
	JE	64731		0.14		09/04/18	INTEREST		INTEREST EARNED AUGUST 2018 07100.1035
1808			15.00	0.14	86.48				
1809		64751	15.00			09/05/18	BANK FEES		REIMBURSE S/R FOR AUGUST 2018 BANK FEES
		65132		0.41		10/01/18	INTEREST		INTEREST EARNED SEPT.2018 07100.1035
1809			15.00	0.41	101.07				
1810		65144	15.00			10/01/18	REIMBURSE		REIMBURSE S/R FOR SEPT.2018 BANK FEES
		65539		0.40		11/01/18	INTEREST		INTEREST EARNED OCTOBER 2018 7100.1035
1810			15.00	0.40	115.67				
1811		65565	15.00			11/01/18	BANK FEES		REIMBURSE S/R FOR OCTOBER 2018 BANK FEES
		65953		0.35		11/30/18	INTEREST		INTEREST EARNED NOVEMBER 2018 07100.1035
1811			15.00	0.35	130.32				
07341-1000	****	*** ****	165.00	34.68	130.32				
07341-1020	INTEREST EARNED - CONSTRUCTION				0.00				
1801		61740		391.64		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND

East Goshen Township General Ledger

Report Date 12/06/18

GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1801			0.00	391.64	-391.64				
1802		62159		69.31		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
1802			0.00	69.31	-460.95				
1803		62535		81.66		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
1803			0.00	81.66	-542.61				
1804		62904		71.30		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
1804			0.00	71.30	-613.91				
1805		63377		0.03		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
1805			0.00	0.03	-613.94				
07341-1020	****	***	0.00	613.94	-613.94				
07364-1110		R.C.TAPPING FEES			0.00				
1807	RE	63982		2,000.00		07/13/18	ROBERTS		TAP IN FEE FOR MARLIN DR R.C.TAPPING FEES
1807			0.00	2,000.00	-2,000.00				
1810		65507		2,000.00		10/30/18	65507 1		TAP IN FEE - 1603 E BOOT RD R.C.TAPPING FEES
1810			0.00	2,000.00	-4,000.00				
07364-1110	****	***	0.00	4,000.00	-4,000.00				
07364-1130		CONNECTION FEES - SEWER			0.00				

East Goshen Township General Ledger

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1801	CR	61617		423.00		01/25/18	2572	10606 1	STOFFLET, MICHAEL
1801			0.00	423.00	-423.00				
1802		61894		423.00		02/13/18	494	10607 1	JACOBS, ROBERT & CHERYL
		62079		423.00		02/27/18	148	10605 1	GEORGE SMITH & CHRISTINA CONLE
	JE	61900	282.24			02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		62080	141.12			02/27/18	PINE ROCK		JACOBS & STOFFLET INTEREST
									ANNUAL PINE ROCK INSTALLMENT
1802			423.36	846.00	-845.64				
1803	CR	62407		423.00		03/23/18	0011373243	10608 1	PAPPANO, JOSEPH & PATRICIA
	JE	62411	141.12			03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
									RC214 PAPPANO
1803			141.12	423.00	-1,127.52				
07364-1130	****	***	564.48	1,692.00	-1,127.52				
07380-1000		MISCELLANEOUS REVENUE			0.00				
1802		61900		282.24		02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		62080		141.12		02/27/18	PINE ROCK		JACOBS & STOFFLET INTEREST
									ANNUAL PINE ROCK INSTALLMENT
1802			0.00	423.36	-423.36				
1803		62411		141.12		03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
									RC214 PAPPANO
1803			0.00	141.12	-564.48				
1808		64477		0.03		08/16/18	DEPOSIT		DEPOSIT CK.7100.1035 TO CLOSE
									OUT FULTON 7105.2000
1808			0.00	0.03	-564.51				
07380-1000	****	***	0.00	564.51	-564.51				
07392-0100		TRANSFER FROM GENERAL ACCT			0.00				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
	1805	JE 63470		71.30		06/07/18	XFER		XFER \$ TO MA REGARDING DEPOSIT ERROR 5/10/18
	1805		0.00	71.30	-71.30				
07392-0100	****	*** ****	0.00	71.30	-71.30				
07392-0500		TRANSFER FROM SEWER OPERATING			0.00				
	1803	62490		30,000.00		03/29/18	XFER		XFER \$ FROM SEWER TO MUNICIPAL TO COVER EXPENSES
	1803		0.00	30,000.00	-30,000.00				
	1806	63665		30,000.00		06/22/18	XFER		XFER \$ FROM SEWER TO MA
	1806		0.00	30,000.00	-60,000.00				
	1809	64868		30,000.00		09/12/18	XFER		XFER FROM SEWER TO M.A. 9/12/18
	1809		0.00	30,000.00	-90,000.00				
07392-0500	****	*** ****	0.00	90,000.00	-90,000.00				
07424-1400		ADMINISTRATIVE WAGES			0.00				
	1803	CD 62424	8,160.33			03/26/18	3121		425 EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR.2018 REIMBURSEMENT - MA
	1803		8,160.33	0.00	8,160.33				
	1806	63636	8,160.33			06/21/18	3129		425 EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR.2018 REIMBURSEMENT - MA
	1806		8,160.33	0.00	16,320.66				
	1809	65076	8,382.36			09/28/18	3135		425 EAST GOSHEN TOWNSHIP - GENERAL QTR.3 2018 REIMBURSEMENT - MUN.A
	1809		8,382.36	0.00	24,703.02				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-1400	****	***	****	24,703.02	0.00	24,703.02				
07424-3000	MISCELLANEOUS EXPENSE					0.00				
	1801		61728	100.00			01/31/18	3114	3353	COMMONWEALTH FINANCING AUTHORITY GRANT APPLIC. DCED - WATER & SEW PROGRAM FOR BARKWAY
	1801			100.00	0.00	100.00				
	1805		63278	1,236.00			05/30/18	3125	3871	DELAWARE RIVER BASIN COMMISSION ANNUAL FEE D-2000-030 CP WASTE WATER DISCHARGE
	1805			1,236.00	0.00	1,336.00				
07424-3000	****	***	****	1,336.00	0.00	1,336.00				
07424-3110	MUNIC.AUTH.-AUDITING					0.00				
	1803		62396	6,964.00			03/22/18	3120	808	MAILLIE FALCONIERO & CO. PROGRESS BILLING - M.AUTHORITY 2 FINANCIAL STATEMENTS
	1803			6,964.00	0.00	6,964.00				
	1804		62732	2,436.00			04/17/18	3123	808	MAILLIE FALCONIERO & CO. EXAMINATION 2017 MA FINANCIAL ST
	1804			2,436.00	0.00	9,400.00				
07424-3110	****	***	****	9,400.00	0.00	9,400.00				
07424-3130	ENGINEERING SERVICES					0.00				
	1801		61613	12,523.56			01/24/18	3113	1052	PENNONI ASSOCIATES INC. SERV.THUR 12/10/17 2017 GENERAL SERVICES
	1801			12,523.56	0.00	12,523.56				
	1802		61944	5,415.00			02/15/18	3115	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/14/18 -2017 GENE

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1802	CD 62032	552.50			02/22/18	3117	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 SUPPLEE VA
1802			5,967.50	0.00	18,491.06				
1803		62323	11,749.08			03/15/18	3118	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/11/18 2018 GEN.S
1803			11,749.08	0.00	30,240.14				
1806		63480	9,622.25			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 SUPPLEE VA
		63544	7,503.93			06/12/18	3127	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/20/18 BARKWAY PS
1806			17,126.18	0.00	47,366.32				
1807		63960	16,879.82			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/17/18 BARKWAY
	JE	63926		10,556.75		07/10/18	RECLASS		RECLASS TALLMADGE DR EXPENSES
1807			16,879.82	10,556.75	53,689.39				
1808	CD	64451	3,619.00			08/15/18	3132	1052	PENNONI ASSOCIATES INC. PROF.SERV. THRU 8/5/18 2018 GENE
1808			3,619.00	0.00	57,308.39				
1809		64831	1,134.50			09/11/18	3133	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/18 SUPPLEE VA
1809			1,134.50	0.00	58,442.89				
1810		65266	4,839.25			10/10/18	3136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 9/16/18 SUPPLEE VA
1810			4,839.25	0.00	63,282.14				
1811		65826	7,789.57			11/26/18	3138	1052	PENNONI ASSOCIATES INC. SERVICE THRU 10/14/18 2018 I&I
1811			7,789.57	0.00	71,071.71				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	****	*** ****	81,628.46	10,556.75	71,071.71				
07424-3140		LEGAL SERVICES			0.00				
	1801	61613	680.00			01/24/18	3112		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES DEC. 2017 GEN.AUT
	1801		680.00	0.00	680.00				
	1802	62032	240.00			02/22/18	3116		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - JAN.2018 GEN.AUT
	1802		240.00	0.00	920.00				
	1803	62352	400.00			03/19/18	3119		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - FEBRUARY 2018
	1803		400.00	0.00	1,320.00				
	1804	62732	380.00			04/17/18	3122		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 3/12/18
	1804		380.00	0.00	1,700.00				
	1805	63133	480.00			05/16/18	3124		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - APRIL 2018 GEN.A
	1805		480.00	0.00	2,180.00				
	1806	63589	440.00			06/18/18	3128		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERV.- MAY 2018 GEN.AUTHOR
	1806		440.00	0.00	2,620.00				
	1807	64183	300.00			07/30/18	3131		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE JUNE 2018 GEN.AUTH
	1807		300.00	0.00	2,920.00				
	1809	64898	500.00			09/14/18	3134		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 8/9-8/13/18 GEN.AU
	1809		500.00	0.00	3,420.00				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3140	1811	CD 65826	795.94			11/26/18	3137	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 9/7-9/10/18 GEN. AUT
	1811		795.94	0.00	4,215.94				
07424-3140	****	*** ****	4,215.94	0.00	4,215.94				
07426-3000		TALLMADGE DRIVE			0.00				
	1807	63960	1,980.00			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/18 2018 TALLMA
		JE 63926	10,556.75			07/10/18	RECLASS		RECLASS TALLMADGE DR EXPENSES
	1807		12,536.75	0.00	12,536.75				
	1808	CD 64451	2,607.25			08/15/18	3132	1052	PENNONI ASSOCIATES INC. PROF.SERV. THRU 8/5/18 2018 TALL
	1808		2,607.25	0.00	15,144.00				
	1809	64831	822.00			09/11/18	3133	1052	PENNONI ASSOCIATES INC. SERV.THUR 8/12/18 TALLMADGE- GEN SERVICE 2018
	1809		822.00	0.00	15,966.00				
	1810	65266	1,333.75			10/10/18	3136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 9/16/18 TALLMADGE
	1810		1,333.75	0.00	17,299.75				
	1811	65826	1,380.75			11/26/18	3138	1052	PENNONI ASSOCIATES INC. SERVICE THRU 10/14/18 TALLMDGE
	1811		1,380.75	0.00	18,680.50				
07426-3000	****	*** ****	18,680.50	0.00	18,680.50				
07428-1000		RESERVOIR PUMP STATION - ENGINEER			0.00				
	1802	62035	142.50			02/22/18	22016	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 RESERV.RD

East Goshen Township General Ledger

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1802			142.50	0.00	142.50				
1806		63480	45.50			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 RESERVOIR FINAL INVOICE
1806			45.50	0.00	188.00				
07428-1000	****	***	188.00	0.00	188.00				
07429-6100	WEST GOSHEN CAPITAL				0.00				
1801		61614	30,050.70			01/24/18	22015	3843	WEST GOSHEN SEWER AUTHORITY 16.67% OF COST - ENHANCED CHEMIC ADDITION
1801			30,050.70	0.00	30,050.70				
1802		62035	3,664.01			02/22/18	22017	3843	WEST GOSHEN SEWER AUTHORITY 16.67% - ENHANCED CHEMICAL ADDIT & ANAEROBIC DIGESTER REPLACEMENT
1802			3,664.01	0.00	33,714.71				
1803		62343	-3,664.01			03/15/18	22017	3843	WEST GOSHEN SEWER AUTHORITY VOID CK. 2017
1803			-3,664.01	0.00	30,050.70				
1804		62689	72,288.38			04/13/18	22018	3843	WEST GOSHEN SEWER AUTHORITY 2017 SEWER SYSTEM REPAIR PROJECT .16667 % EAST GOSHEN SHARE
1804			72,288.38	0.00	102,339.08				
07429-6100	****	***	102,339.08	0.00	102,339.08				
07492-0100	TRANSFER TO GENERAL FUND				0.00				
1805		63072	71.30			05/10/18	22019	425	EAST GOSHEN TOWNSHIP - GENERAL XFER TO GENERAL TO CLOSE ACCOUNT

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
	1805		71.30	0.00	71.30				
07492-0100	****	***	71.30	0.00	71.30				
07492-0500	TRANSFER TO SEW.OPERATING				0.00				
	1806	JE 63662	30,000.00			06/22/18	XFER		XFER FROM SEWER TO MA
		63664		30,000.00		06/22/18	REVERSE		REVERSE TRX 63662
	1806		30,000.00	30,000.00	0.00				
07492-0500	****	***	30,000.00	30,000.00	0.00				
Grand Total			273,291.78	137,533.18	135,758.60				

Source	Debits	Credits
JE	41,166.23	131,811.18
EX	120.00	30.00
RE	0.00	4,000.00
CR	0.00	1,692.00
CD	232,005.55	0.00
	273,291.78	137,533.18



Christiana Executive Campus
121 Continental Drive, Suite 207
Newark, DE 19713
T: 302-655-4451
F: 302-654-2895

www.pennoni.com

December 6, 2018

East Goshen Municipal Authority
Attn: Rick Smith, Township Manager
1580 Paoli Pike
West Chester, PA 19380

**RE: Fee Schedule for Year 2019 and Annual Services
East Goshen Municipal Authority**

Dear Rick:

Pennoni is proud to serve East Goshen Municipal Authority, and we look forward to working with you again in 2019. We respectfully request reappointment as Authority Engineer for 2019.

Our proposed rates for 2019 are listed below, reflecting an average increase of 3.0%:

Authority/Township Engineer.....	\$127/hr
Senior Professional	\$121/hr
Project Professional	\$107/hr
Staff Professional	\$99/hr
Associate Professional	\$94/hr
Senior Engineering Technician.....	\$92/hr
Graduate Professional	\$85/hr
Engineering Technician	\$84/hr
Survey Crew (2-Person)	\$198/hr

While our company has many employee classifications, these are the classifications most frequently utilized in performing tasks for our municipal clients. We assign the most appropriate level staff competent to perform the work effort requested.

As part of our responsibilities to the Authority as the appointed Engineer, we will continue to provide the following professional services:

- Participation in monthly meetings of the Authority Board
- Preparation of semi-annual sewer system status reports
- Continued support in I&I reduction with periodic sewer meter data analysis upon request
- Preparation of the annual Chapter 94 Municipal Wasteload Management Reports
- Visual structural inspections of the RCSTP SBR tanks and coatings as tanks are taken offline for service
- Consultation on issues on behalf of the Authority

The estimated total fee for these typical annual services is \$49,000, to be billed on an hourly basis at the above rates. We have allocated the budget as follows:

- General Consultation and monthly meetings..... \$27,000
- I&I support and semi-annual reports..... \$11,000
- Chapter 94 reports..... \$11,000

The estimated fees are based upon the actual level of effort for each activity over the past two years with a similar level of effort projected for 2019. Similar to previous years, we will establish separate accounts for each project listed above, and each project will be invoiced separately.

Other projects outside of general services, as requested, will be proposed separately, such as the following projects that are planned for 2019 in the 5-Year Sewer System Capital Improvement Plan:

- Hershey's Mill Pump Station Generator Replacement
- RCSTP Generator Replacement
- Hunt Country Pump Station Metering, Muffin Monster, and Bypass System
- Annual Sewer System Rehabilitation (location TBD; expected to be pipe lining and other repairs)

A new gravity flow meter in the Ridley Creek collection system and an air stripper at the RCSTP are also planned capital improvements for 2019, but we anticipate any engineering involvement on those projects will be limited and can be covered under our "General Consultation" activity.

If you have any questions, please do not hesitate to contact me.

Sincerely,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Authority Engineer

AREA CODE 610
692-7171

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

New Business,

Need the Authority's approval to repair the roto mat screen segment in the amount of \$11,208.00 another \$1000.00 for installation for a total of \$12,208.00

The rep will be out on December 10th to inspect the unit. If any other work is required I will e-mail the Authority.

Mark



Customer Service Center
2600 S. Garnsey Street
Santa Ana, CA 92707 USA
Phone: 949 833-3888
Toll Free: 800 331-2277
Fax: 714 549-4007

Customer: 6005886

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380
US

Quote Number: 47187
Quote Date: 12/03/2018
Terms: NET 30 DAYS
Pricing: Valid 60 Days
FOB: Origin
Lead Time: 5-6 Weeks ARO
Grinder Serial #: 105661-3-1

Project: Ridley Creek WWTP

All orders will be billed the applicable sales tax, based on the "ship to address", unless a valid tax exemption certificate is provided prior to shipment.

Part Number	Description	Qty	Unit Price	Extended Price
	ROTOR, ASSY 3200-480 35DG 7250L MC AMA0740-0480-3235-7250-MC	1	\$28,873.67	\$28,873.67
AMC0109-3235-480-0 6-SS	SCREEN, SEGMENT 6MM PRF 35DG XE SS	1	\$11,208.90	\$11,208.90

TARIFF	Tariff Surcharge	1	\$1,054.17	\$1,054.17
	Recently, the US Government, has implemented the following trade restrictions: Section 232, June 1, 2018: Restrictions on steel mill (25%) and aluminum articles (10%). All countries of origin except Argentina, Australia, Brazil, and South Korea. Section 301, July 6, 2018 Restrictions on products from China, 25% The tariff surcharge represents the increased cost of manufacturing our products as a result of the government-imposed trade restrictions.			

Please verify serial number is correct.

Sub Total	\$41,136.74
Tax	
Total	\$41,136.74

Notes:

1. Please fax or mail a purchase order for the total amount and we can process your order.
Please include the following:
Billing Address, Ship to Address, and sales tax exemption certificate.
2. Please reference our quote number on your purchase order.
3. Availability of parts are subject to change at any time.
4. 20% restocking fee on all returns.
5. Sales tax is not included in price.
6. Please make note on your PO that Shipping and Handling will be added to the invoice.
7. Call or e-mail with any questions or concerns.

Thank-You for your Business!

Partners

Robert L. Caruso
Deborah L. Horn
Edward J. Furman
Craig S. Springer
Robert L. Boland
Danielle VanderWerf
Richard A. Flanagan IV
Donald J. Pierce
Robert C. Hershey, Jr.
Gregory J. Shank
Laurie E. Harvey
William Breslawski, Jr.
Edward Fronczkowski

November 27, 2018

CLIENTS COPY
MAILLIE LLP
CERTIFIED PUBLIC ACCOUNTANTS

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6107

The following represents our understanding of the services we will provide East Goshen Municipal Authority.

You have requested that we audit the statement of net position of the East Goshen Municipal Authority as of December 31, 2018, and the related statements of revenues, expenses and changes in net position and cash flows for the year then ended and the related notes to the financial statements, which collectively comprise the East Goshen Municipal Authority's basic financial statements. We are pleased to confirm our acceptance and our understanding of this audit engagement by means of this letter. Our audit will be conducted with the objective of our expressing an opinion on the financial statements.

Accounting principles generally accepted in the United States of America (U.S. GAAP) require that management's discussion and analysis and budgetary comparison information be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. As part of our engagement, we will apply certain limited procedures to the required supplementary information (RSI) in accordance with auditing standards generally accepted in the United States of America (U.S. GAAS). These limited procedures will consist primarily of inquiries of management regarding their methods of measurement and presentation, and comparing the information for consistency with management's responses to our inquiries. We will not express an opinion or provide any form of assurance on the RSI. The following RSI is required by U.S. GAAP. This RSI will be subjected to certain limited procedures but will not be audited:

1. Management's Discussion and Analysis

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority

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November 27, 2018

AUDITOR RESPONSIBILITIES

The Objective of an Audit

The objective of our audit is the expression of an opinion as to whether your basic financial statements are fairly presented, in all material respects, in conformity with U.S. GAAP. Our audit will be conducted in accordance with U.S. GAAS and will include tests of the accounting records and other procedures we consider necessary to enable us to express such an opinion. We cannot provide assurance that an unmodified opinion will be expressed. Circumstances may arise in which it is necessary for us to modify our opinion or add emphasis-of-matter or other-matter paragraphs. If our opinion on the financial statements is other than unmodified, we will discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed an opinion, we may decline to express an opinion or to issue a report as a result of this engagement.

General Audit Procedures

We will conduct our audit in accordance with U. S. GAAS. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the basic financial statements are free from material misstatement. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to error, fraudulent financial reporting, misappropriation of assets, or violations of laws, governmental regulations, grant agreements, or contractual agreements. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

Internal Control Audit Procedures

Because of the inherent limitations of an audit, together with the inherent limitations of internal control, an unavoidable risk that some material misstatements may not be detected exists, even though the audit is properly planned and performed in accordance with U. S. GAAS.

In making our risk assessments, we consider internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. However, we will communicate to you in writing concerning any significant deficiencies or material weaknesses in internal control relevant to the audit of the financial statements that we have identified during the audit.

Compliance with Laws and Regulations

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of the East Goshen Municipal Authority's compliance with the provisions of applicable laws, regulations, contracts and agreements. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion.

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority

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November 27, 2018

REPORTING

We will issue a written report upon completion of our audit of the East Goshen Municipal Authority's basic financial statements. Our report will be addressed to the governing body of the East Goshen Municipal Authority. We cannot provide assurance that an unmodified opinion will be expressed. Circumstances may arise in which it is necessary for us to modify our opinion, add an emphasis-of-matter or other-matter paragraph(s), or withdraw from the engagement.

MANAGEMENT RESPONSIBILITIES

Our audit will be conducted on the basis that management and those charged with governance acknowledge and understand that they have responsibility:

1. For the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America;
2. For the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to error, fraudulent financial reporting, misappropriation of assets, or violations of laws, governmental regulations, grant agreements, or contractual agreements;
3. To provide us with:
 - a. Access to all information of which management is aware that is relevant to the preparation and fair presentation of the financial statements, such as records, documentation and other matters;
 - b. Additional information that we may request from management for the purpose of the audit; and
 - c. Unrestricted access to persons within the entity with whom we determine it necessary to obtain audit evidence.
4. For including the auditors' report in any document containing financial statements that indicates that such financial statements have been audited by the entity's auditor;
5. For identifying and ensuring that the entity complies with the laws and regulations applicable to its activities; and
6. For adjusting the financial statements to correct material misstatements and confirming to us in the management representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the current year under audit are immaterial, both individually and in the aggregate, to the financial statements as a whole.

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority

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November 27, 2018

We will perform the following nonattest services:

1. Preparation of financial statements based on your trial balances.
2. Preparation of the Commonwealth of Pennsylvania Department of Community and Economic Development Annual Report of Municipal Authorities.

With respect to any nonattest services we perform, the East Goshen Municipal Authority's management is responsible for (a) making all management decisions and performing all management functions; (b) assigning a competent individual to oversee the services; (c) evaluating the adequacy of the services performed; (d) evaluating and accepting responsibility for the results of the services performed and (e) establishing and maintaining internal controls, including monitoring ongoing activities.

As part of our audit process, we will request from management and those charged with governance, written confirmation concerning representations made to us in connection with the audit.

OTHER

We understand that your employees will prepare all confirmations we request and will locate any documents or invoices selected by us for testing.

If you intend to publish or otherwise reproduce the financial statements and make reference to our firm, you agree to provide us with printers' proofs or masters for our review and approval before printing. You also agree to provide us with a copy of the final reproduced material for our approval before it is distributed.

During the course of the engagement, we may communicate with you or your personnel via fax or e-mail, and you should be aware that communication in those mediums contains a risk of misdirected or intercepted communications.

Edward Fronczkowski, CPA, is the engagement partner for the audit services specified in this letter. His responsibilities include supervising Maillie LLP's services performed as part of this engagement and signing or authorizing another qualified firm representative to sign the audit report.

Our fees are based on the amount of time required by the individuals assigned to the engagement, plus direct out-of-pocket expenses. Invoices will be rendered as work progresses and expenses are incurred and are payable upon presentation. We estimate that our fee for the audit will be \$9,650. We will notify you immediately of any circumstances we encounter that could significantly affect this initial fee estimate.

In accordance with our firm policies, work may be suspended if your account becomes 30 days or more overdue and will not resume until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed complete upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination.

During the course of the audit, we may observe opportunities for economy in, or improved controls over, your operations. We will bring such matters to the attention of the appropriate level of management, either orally or in writing.

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority

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November 27, 2018

The audit documentation for this engagement is the property of Maillie LLP and constitutes confidential information. However, we may be requested to make certain audit documentation available to various regulators pursuant to authority given to them by law or regulation, or to peer reviewers. If requested, access to such audit documentation will be provided under the supervision of Maillie LLP's personnel. Furthermore, upon request, we may provide copies of selected audit documentation to various regulators. The various regulators may intend, or decide, to distribute the copies of information contained therein to others, including other governmental agencies.

It is our policy to keep records related to this engagement for seven years. However, Maillie LLP does not keep any original records, so we will return those to you at the completion of the services rendered under this engagement. When records are returned to you, it is your responsibility to retain and protect your records for future possible use, including potential examination by government or regulatory agencies. By your signature below, you acknowledge and agree that upon the expiration of the seven year period, Maillie LLP shall be free to destroy our records related to this engagement.

At the conclusion of our audit engagement, we will communicate to those charged with governance the following significant findings from the audit:

- Our view about the qualitative aspects of the entity's significant accounting practices;
- Significant difficulties, if any, encountered during the audit;
- Uncorrected misstatements, other than those we believe are trivial, if any;
- Disagreements with management, if any;
- Other findings or issues, if any, arising from the audit that are, in our professional judgment, significant and relevant to those charged with governance regarding their oversight of the financial reporting process;
- Material, corrected misstatements that were brought to the attention of management as a result of our audit procedures;
- Representations we requested from management;
- Management's consultations with other accountants, if any; and
- Significant issues, if any, arising from the audit that were discussed, or the subject of correspondence, with management.

To the Members of the Board
c/o Mr. Jack E. Yahraes, Chairman
East Goshen Municipal Authority

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November 27, 2018

Please sign and return the attached copy of this letter to indicate your acknowledgment of, and agreement with, the arrangements for our audit of the financial statements including our respective responsibilities.

We appreciate the opportunity to be your financial statement auditors and look forward to working with you and your staff.

Respectfully,

MAILLIE LLP



Edward Fronczkowski

RESPONSE:

This letter correctly sets forth our understanding.

Acknowledged and agreed on behalf of the **East Goshen Municipal Authority** by:

Title: _____

FYI

Memo

East Goshen Township

Date: November 26, 2018

To: Conservancy Board
Futurist Committee
Historical Commission
Municipal Authority
Park and Rec Commission
Pipeline Task Force
Planning Commission

From: Rick Smith, Township Manager

Re: Annual Planning Session

The Annual Planning Session will be held on Saturday, January 12, 2019 at 8:00 AM. At that meeting it would be appreciated if each ABC would provide a summary of their accomplishments in 2018 as well as their goals for 2019.

Outlined below are the goals provided from each ABC that attended the 2018 Planning Session on January 6, 2018.

Conservancy Board

1. Continue invasive species control - **Comp Plan Objective 11.6**
2. Continue maintenance of the blue bird houses in Applebrook
3. Develop a maintenance plan for the Serpentine Barren – **PR&OS Plan Action 2.2C**
4. Keep East Goshen Beautiful Day - **Comp Plan Objective 11.4**
5. Maintain the riparian buffer along the creeks
6. Maintain Clymer's Woods.
7. Review the pond study and make a recommendation to the Board of Supervisors.

Futurist Commission

1. The creation of a much needed “town center” to house specialty shops, restaurants, micro businesses, and central gathering areas. **Comp Plan Objective 7.1**
2. Develop clear signage and lighting to highlight the “town center”. **Comp Plan Objective 6.1**
3. Support a referendum to allow for liquor sales.
4. Establish a strategic long-range planning objective with steps outlining how to achieve the objective and the stated benefits to all residents.
5. Rebranding the Town Center as “Goshenville”.

Municipal Authority

1. Continue to monitor the upgrades at West Goshen Sewer Plant. **Comp Plan Objective 10.1**
2. Continue to implement the Inflow (surface water) & Infiltration (groundwater) (collectively “I&I”) Plan. **Comp Plan Objective 10.1**
3. Submit articles for the newsletter.

Park & Recreation Commission

1. Increase pedestrian circulation along Paoli Pike, especially in the form of a “Paoli Pike Promenade” with sidewalks and crosswalks, as well as increasing pedestrian circulation and safety along Greenways, with trails, walkways and crosswalks. **Comp Plan Objective 8.6**
2. Develop the Paoli Pike Trail to create the linkage between West Chester and Malvern, through East Goshen, from West Goshen to Willistown and consider the potential for feeder trails from the various developments to the Paoli Pike Trail. **Comp Plan Objective 8.6**
3. Complete the playground renovation. **Comp Plan Objective 9.3**
4. Renovate the basketball court area **Comp Plan Objective 9.3**
5. Improve the upper sports fields to include landscaping and a new access. **Comp Plan Objective 9.3**

6. Install security cameras in the park. **Comp Plan Objective 9.3**
7. Make the Veterans Pavilion more user friendly for seniors. **Comp Plan Objective 9.3**
8. Improve the pathway from the Pavilion to the Pickle Ball Court. **Comp Plan Objective 9.3**
9. Installed a picnic area to support the playground and the baseball fields. **Comp Plan Objective 9.3**

Planning Commission

1. Review the PPMCP and look at the overlay district to determine what needs to be amended in the Zoning Ordinance. **Comp Plan Objective 6.2 and 6.2**
2. Look at single family development for the remaining parcels in the township. **Comp Plan Objective 5.2 and 5.5**