

EAST GOSHEN MUNICIPAL AUTHORITY

November 19, 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. October 8, 2018

5. APPROVAL OF INVOICES

| | |
|------------------------------------|--------------|
| Pennoni Invoice #827473 | \$ 1,069.82 |
| Pennoni Invoice #827474 | \$ 341.25 |
| Pennoni Invoice #827475 | \$ 2,304.75 |
| Pennoni Invoice #827476 | \$ 4,073.75 |
| Pennoni Invoice #827477 | \$ 1,380.75 |
| Payment Application No. #2 Pennoni | \$ 21,614.20 |
| Gawthrop Invoice #200550 | \$ 715.94 |
| Gawthrop Invoice #201997 | \$ 795.94 |

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. October 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.de
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 Fees for Legal Services Gawthrop Greenwood, PC

11. CAPACITY REQUESTS

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

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

November 16, 2018

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

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.

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 thru causing problems with the power grid. The first of series of alarms started coming in a 9:45 pm.; the Hershey Mill Pump Station was the problem with the first alarm. This was for a pump failure followed by a High Level 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 out 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, we found 12 breaks and 4 laterals that are in need of repairs. The breaks are taking in allot of water, rather than digging them up we will be doing point repairs.

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 the month of October.

PA One Calls:

We received 66 PA One calls in October.

Rainfall:

October rainfall total was 3.78.



**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
November 15, 2018**

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 Lane, 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.
- We have also performed a conceptual evaluation of the remaining hydraulic capacity of the pump station in preparation for proposed upstream new connections. The station does not have capacity to accommodate any additional flow. Design and permitting to upgrade and re-rate the station will be required prior to new connections.

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DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
October 8, 2018

6 The East Goshen Township Municipal Authority held their regular public meeting on Monday,
7 October 8, 2018 at 7:00 pm at the East Goshen Township building. Members in attendance were:
8 Chairman Jack Yahraes, Dana Pizarro, Phil Mayer and Kevin Cummings. Also in attendance were:
9 Jon Altshul (Asst. Township Manager), Mark Miller (Public Works Director), Michael Ellis
10 (Pennoni), Carmen Battavio (Supervisor) and Walter Wujcik (Conservancy Board).

11
12 **COMMON ACRONYMS:**

13 *BFES – Big Fish Environmental Services* *MA- Municipal Authority*
14 *BOS – Board of Supervisors* *NPDES – National Pollutant Discharge Elimination System*
15 *CB – Conservancy Board* *PC – Planning Commission*
16 *DEP – Department of Environmental Protection* *PM – Prevention Maintenance*
17 *EPA – Environmental protection Agency* *PR – Park & Recreation Board*
18 *HC – Historical Commission* *RCSTP – Ridley Creek Sewer Treatment Plant*
19 *I&I – Inflow & Infiltration* *SBR – Sequencing Batch Reactor*
20 *LCSTP – Lockwood Chase Sewer Treatment Plant* *SSO – Sanitary System Overflow*
21 *WAS – Waste Activated Sludge*

22
23 **Call to Order & Pledge of Allegiance**

24 Jack called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There
25 was a moment of silence to remember our troops and first responders.
26 Jack asked if anyone would be recording the meeting. There was no response.

27
28 **Chairman’s Report**

- 29 1. Jack mentioned that the PMAA has a course for “One Mark” which ties in with “One Call” and he
30 feels someone from the Township should attend.
31 2. Phil attended the West Goshen Sewer Authority meeting. The West Goshen Board of Supervisors
32 approved a rate increase in September. It will take effect Q2 2019. West Goshen was awarded a
33 \$220,000 grant for an aeration system. They had an emergency switch gear problem at Washington
34 Street Pump Station. They plan to replace all of the switch gears.

35
36
37 **Sewer Reports**

38 **1. Director of Public Works, Mark Miller’s report for August:**

39 Monthly Flows: The average daily flow to West Goshen was 748,000 gallons per day. No
40 problems to report.

41 Meters: The meters are being read on a daily basis. We have had a power problem with the
42 Paoli Pike meter; however I believe we corrected the problem.

43 C.C. Collection: The month has been very busy. We had some problems with the Barkway
44 Pump Station. The pumps were not pumping to capacity. We found Pump #1 was burned out
45 and Pump #2 was very weak. We pulled both pumps out and sent them to Deckman for
46 repair. Both pump cutters were jammed up with towels. I would recommend that we speed
47 up the process of installing the Muffin Monster. The original plans called for us to install the

1 Muffin Monster in the wet well. However, the wet well is getting crowded. I would
2 recommend that we do a separate manhole for the Muffin Monster.
3

4 We also had problems with the Ashbridge Pump Station. After checking the amperage, we
5 found pump #2 pulling more amps than pump #1. We pulled the pump and sent it to
6 Deckmens. I checked the records and found that the pumps at Ashbridge are the original
7 pumps that were built in 1985 and installed in 1987. This will make them 33 years old.
8 Being that the pump housings have been submerged in sewage for that long, I would
9 recommend that we order a new pump now at a cost of \$23,686.00 with 8 to 12 weeks
10 delivery time. Then in 2019 order a second pump. These pumps are very hard to get parts
11 for. If you recall, over the years we have always tried to keep spare internal parts on the
12 shelves so they are readily available. We also televised several suspicious areas where we
13 thought we were getting INI. We did find that a manhole between Wyllpen Place and the
14 station was taking in ground water.

15 R.C. Collection: The pumping station was visited on a daily basis with no problems to report.
16 Mr. Brandolini called to report a problem with his lateral. We televised it and found that the
17 lateral has pulled apart on the house side of the trap. Mr. Brandolini was told what was found
18 and that, when his plumber makes the repair, he is to contact the Public Works Department to
19 inspect the repairs. Pipe Data View has been contacted to come in and televise areas of
20 concern in Quad #2 and Quad #4.

21 Ridley Creek: We installed the rebuilt blower. I have received pricing to install a Splitter
22 Cooling System for the control room in the older building. 2019 budget

23 Alarms: We responded to 23 alarms for September.

24 PA One Calls: We received 97 PA One calls for September.

25 Rainfall: September rainfall total was 9.81 inches.
26

27 **2. Pennoni Engineer's Report for September**

28 **Invoices**

- 29 • Invoices with summaries are provided under separate cover.

30 **Ridley Creek Sewage Treatment Plant (RCSTP)**

- 31 • Caustic soda pilot study – A summary and recommendations report has been prepared and
32 will be issued prior to the October MA meeting.
- 33 • SBR Coatings –
 - 34 ○ Following the September MA meeting, we prepared a revised budgetary cost estimate
35 for a reduced scope to only coat the portions of walls that are not currently coated.
36 Removal and replacement of existing CIM coatings were deleted from the cost
37 estimate as was coating installation on the tank floors. The revised estimate is
38 attached with reduced quantities; unit prices were not changed. Revised grand total is
39 \$220,000. We also provided updates on the applicable cost projections for the 5-year
40 Capital Improvement Plan.

- 1 ○ Contact information for Chase Corporation (CIM manufacturer) was provided to the
- 2 Township to conduct further discussions on detailed scope and to obtain updated
- 3 pricing from the manufacturer.

- 4 ○ We will conduct a visual inspection of the concrete and coating conditions in the next
- 5 tank when it is taken offline, which we understand is tentatively scheduled for
- 6 November.

- 7 ○ It is our understanding that the warranty expires in October 2019.

8 **RCSTP and Pump Stations' O&M Manual**

- 9 • We recommend the Manual be revisited in July-August 2018 to determine if updates are
- 10 needed and/or if new information has become available to incorporate now that it has been in
- 11 place for one full year.

12
13 **Supplee Valley Pipe Lining**

- 14 • We processed a final payment application and reviewed contract closeout documents from
- 15 SWERP, and we submitted a final payment recommendation letter.

16
17 **Barkway Pump Station Grinder**

- 18 • We have revisited the approach to installation of the Muffin Monster inside the wet well with
- 19 Mark Miller and the equipment vendor due to recent accessibility issues within the wet well
- 20 experienced by the Public Works Department during emergency pump replacements.
- 21 Installation of an upstream Muffin Monster within a prefabricated manhole is being explored
- 22 again in more detail as a result. An updated equipment quote of \$58,000 was obtained from
- 23 the vendor for the manhole system. For reference, the wet well mounted system material cost
- 24 is \$33,450, so the outside unit is approximately \$25,000 more. However, the Township has
- 25 received a \$32,309 grant for the project from the PA DCED Small Water and Sewer Grant
- 26 program, which would help to offset this additional cost.
- 27 • Our design was 95% complete for the Internal Muffin Monster. If the manhole system is to
- 28 be pursued, we would need to revise the design and plans, coordinate with the vendor,
- 29 perform a limited field survey to determine existing sewer elevations for design of the
- 30 manhole location and depth as well as topography, obtain PA One Call utility information,
- 31 prepare a limited existing site plan, and provide notification of the proposed system to DEP.
- 32 We propose this additional effort for a lump sum of \$7,000.

33
34 **Ashbridge Pump Station Force Main**

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

38 **Tallmadge Drive Sewer Main Replacement**

- 39 • The contractor provided all required insurance and bonding documents, and the contract has
- 40 been executed. A pre-construction meeting was held on October 2. The contractor is

1 planning to start the work in mid-November and he anticipates 2 weeks to complete the
2 project. The contract allows for 20 consecutive calendar days.

3
4 **Hersheys Mill Pump Station** – Mike mentioned that it is at capacity.

5
6 **I&I Support and Reporting**

- 7 • We intended to analyze meter data and submit the next semi-annual I&I report following
8 completion of the Supplee Valley pipe lining project so that the impact of that project can be
9 assessed. However, there have been issues with obtaining instantaneous meter data from the
10 permanent collection system meters. If instantaneous data is not available, we will perform a
11 limited analysis of all permanent meters based on daily flow data and we will prepare a semi-
12 annual I&I report accordingly. We propose to make a summary Powerpoint presentation at a
13 MA meeting once the next report is submitted.

14 **New Connections**

- 15 • No activity since last report.

16 **West Goshen Sewer System Consultation**

- 17 • No activity since last report.

18 **Capital Improvement Planning**

- 19 • We provided updated cost information for the SBR Coatings as discussed above.

20
21 **RCSTP Caustic Soda Pilot Study Results and Recommendations/Draft**

22 Mike provided copies of the draft of the above report. It contained the results report dated October 5,
23 2018, the pre-study memo dated February 10, 2017 with alternatives, PA Dept of Environmental
24 Protection letter dated April 19, 2017, and 5 charts showing before and after numbers. Mike
25 explained the documents and how the results will change the way the soda ash is put into the tanks.

26
27
28 **3. Big Fish Environmental Services** – Scott’s report showed that the Ridley Creek sewage
29 treatment plant outfall 001 and 002 achieved compliance with the permitted effluent discharge
30 limitations during the month of August 2018. Discharge to the Applebrook irrigation lagoon
31 continued during the month. Chemical usage utilized for total phosphorus removal, pH and total
32 alkalinity remained consistent with previous months. No significant mechanical or operational issues
33 were observed during operation of sludge dewatering equipment or SBR treatment process.
34 Comments: Dana pointed out there are no comments on Table 4. Kevin asked about the UV lights.
35 Mark will talk to Scott.

36
37 **Approval of Minutes**

38 The minutes of the September 10, 2018 meeting were approved as corrected.

39
40 **Approval of Invoices**

41 I. Dana moved to approve payment of the following Pennoni invoices:

| | | |
|----|-------------------------|-------------|
| 42 | Pennoni invoice #823030 | \$ 200.75 |
| 43 | Pennoni invoice #823031 | \$ 4,618.50 |
| 44 | Pennoni invoice #823033 | \$ 1,333.75 |

45 Phil seconded the motion. The motion passed unanimously.

1 2. Phil moved to approve payment of Gawthrop Invoice #199945 in the amount of \$500. Dana
2 seconded the motion. The motion passed unanimously.
3 3. The Payment Application #3 to SWERP for Supplee Valley in the amount of \$21,614.20 was
4 discussed. Mike explained that this is updated for work that wasn't anticipated. Kevin made a
5 motion to approve Payment Application #3 in the amount of \$21,614.20 and Change Order #3. Phil
6 seconded the motion. The motion passed unanimously.

7
8 **Liaison Reports**

9 Conservancy Board – Walter reported that they are going to do a clean up in Clymers Woods for the
10 Fall project.

11 Board of Supervisors – Carmen reported the WEGO negotiations are ongoing.

12
13 **Financial Reports**

14 Jon Altshul provided the following written report:

15 In September, the Municipal Authority recorded \$29,985 in income (a \$30,000 transfer from Sewer
16 Operating, net of banking fees) and \$10,839 in expenses including \$8,382 from the Q3 administrative
17 overhead charge back, for a positive variance of \$19,147. The fund balance is \$20,741.

18 Jon had the contract for the PA DCED Small Water and Sewer Grant. Phil moved to authorize the
19 Chairman to sign the PA DCED Small Water and Sewer contract for the grant in the amount of
20 \$32,309. Kevin seconded the motion. The motion passed unanimously.

21
22 **Goals**

23 Newsletter – Phil will write an article for the next newsletter, which is due November 1st.

24
25 **New Business**

26 1. Pump replacement for Ashbridge Pump Station - Mark commented that the Ashbridge pumps are
27 33 years old and we need to consider replacing them. He would like to buy one now and one next
28 year. Jon advised him to use the funds allocated for Ashbridge repairs for 2018 and buy 2 pumps
29 now. Kevin made a motion to use the \$50,000 in the 2018 budget to buy 2 pumps for the Ashbridge
30 Pump Station in lieu of maintenance repairs at Ashbridge. Dana seconded the motion. The motion
31 passed unanimously.

32
33 2. Barkway Pump Station – Mike explained that they need additional funds to revise the design.
34 Kevin moved to approve additional funds for the Barkway Pump Station design revision not to
35 exceed \$7,000. Phil seconded the motion. The motion passed unanimously.

36
37 **Adjournment**

38 There being no further business, Dana moved to adjourn the meeting. Phil seconded the motion. The
39 meeting was adjourned at 8:30 p.m. The next regular meeting will be held on Monday,
40 November 12, 2018 at 7:00 pm.

41
42 Respectfully submitted,

43
44
45 Ruth Kiefer
46 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 # : 827473
Invoice Date : 10/24/2018
Project : EGMAU17006
Project Name : Barkway PS Muffin Monster

For Services Rendered through: 10/14/2018

Initiated design and plan revisions for Muffin Monster prefabricated manhole system, obtained new price quote from vendor, and performed site visit to evaluate site conditions for manhole and piping.

| Phase Code / Name | Contract Amount | Previously Billed | % Complete | Complete To Date | Amount This Invoice |
|-------------------------------|--------------------|-------------------|------------|-------------------|---------------------|
| **** -- Professional Services | \$16,000.00 | \$8,351.47 | 58.88% | \$9,421.29 | \$1,069.82 |
| Total : | <u>\$16,000.00</u> | <u>\$8,351.47</u> | | <u>\$9,421.29</u> | <u>\$1,069.82</u> |

Amount Due This Invoice

\$1,069.82

East Goshen Municipal Authority
EGMAU17006 Invoice Summary
Invoice Date 10/24/2018

Project: EGMAU17006
Pennoni Job No.: Barkway PS Muffin Monster
Invoice No: 827473
Invoice Period: 6/18/2018 to 10/14/2018
Initial Authorization: \$ 9,000.00 **Date:** 10/24/2018
Contract Amount: \$ 16,000.00
Previously Invoiced: \$ 8,351.47
Current Invoice: \$ 1,069.82
Invoiced to Date (\$): \$ 9,421.29
Invoiced to Date (%): 59%
Remaining Budget (\$): \$ 6,578.71
Remaining Budget (%): 41%

Budget by Phase:

Phase Name: Barkway PS Muffin Monster
Phase Budget: \$ 16,000.00
Previously Invoiced: \$ 8,351.47
Current Invoice: \$ 1,069.82
Invoiced to Date (\$): \$ 9,421.29
Invoiced to Date (%): 59%
Remaining Budget (\$): \$ 6,578.71
Remaining Budget (%): 41%

Comments: Initiated design and plan revisions for Muffin Monster prefabricated manhole system, obtained new price quote from vendor, and performed site visit to evaluate site conditions for manhole and piping.



INVOICE

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

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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 # : 827474
Invoice Date : 10/24/2018
Project : EGMAU17007
Project Name : Supplee Valley CIPPL Construction

For Services Rendered through: 10/14/2018

Reviewed and processed Payment Application #3 (Final), prepared payment recommendation letter, prepared Change Order #3, and coordinated with contractor on submitting remaining closeout documents.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

| | |
|---------------|--------|
| Labor : | 341.25 |
| Expense : | 0.00 |
| Phase Total : | 341.25 |

Amount Due This Invoice

\$341.25

| | |
|--------------------|-----------|
| Fee : | 15,000.00 |
| Prior Billings : | 14,532.25 |
| Current Billings : | 341.25 |
| Total Billings : | 14,873.50 |

Phase : **** -- Professional Services

| Labor Class | Hours/ Units | Rate | Amount |
|------------------------|-----------------|-------|---------------|
| Associate Professional | 3.75 | 91.00 | 341.25 |
| Labor Total: | 3.75 | | 341.25 |

Total Phase : **** -- Professional Services

| | |
|-----------|----------|
| Labor : | \$341.25 |
| Expense : | \$0.00 |

Total Project : EGMAU17007 -- Supplee Valley CIPPL Construction

| | |
|-----------|----------|
| Labor : | \$341.25 |
| Expense : | \$0.00 |

East Goshen Municipal Authority
EGMAU17007 Invoice Summary
Invoice Date 10/24/2018

Project: EGMAU17007
Pennoni Job No.: Suplee Valley CIPPL Construction
Invoice No: 827474
Invoice Period: 9/17/2018 to 10/14/2018
Initial Authorization: \$ 12,000.00 **Date:** 10/24/2018
Contract Amount: \$ 15,000.00
Previously Invoiced: \$ 14,532.25
Current Invoice: \$ 341.25
Invoiced to Date (\$): \$ 14,873.50
Invoiced to Date (%): 99%
Remaining Budget (\$): \$ 126.50
Remaining Budget (%): 1%

Budget by Phase:

Phase Name: Suplee Valley CIPP
Phase Budget: \$ 15,000.00
Previously Invoiced: \$ 14,532.25
Current Invoice: \$ 341.25
Invoiced to Date (\$): \$ 14,873.50
Invoiced to Date (%): 99%
Remaining Budget (\$): \$ 126.50
Remaining Budget (%): 1%

Comments: Reviewed and processed Payment Application #3 (Final), prepared payment recommendation letter, prepared Change Order #3, and coordinated with contractor on submitting remaining closeout documents.



INVOICE

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

Remit Payment To:
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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 # : 827475
Invoice Date : 10/24/2018
Project : EGMAU18001
Project Name : 2018 General Services

For Professional Services Rendered through:10/14/2018

General Consultation: Prepared October Engineers Report and prepared for and attended October MA meeting.

Caustic Soda Study: Completed analysis of trial sampling data, permanent feed system concept scoping, and associated cost estimates; submitted draft study summary report to Township and MA; and finalized and submitted report following review at October MA meeting.

| Phase Code | Phase Name | Fee Type | Contract Amount | Previously Billed | Current Billing | Total Billing | Remaining | % Complete |
|-------------------------|-----------------------|----------|-----------------|-------------------|-----------------|---------------|-----------|-----------------|
| **** | Professional Services | NTE | \$ 23,000.00 | \$ 19,809.00 | \$ 2,304.75 | \$ 22,113.75 | \$ 886.25 | 96.15% |
| Subtotal: | | | \$ | \$ 19,809.00 | \$ 2,304.75 | \$ 22,113.75 | | |
| Total: | | | \$ | \$ 19,809.00 | \$ 2,304.75 | \$ 22,113.75 | | |
| Total Amount Due | | | | | | | \$ | 2,304.75 |

...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 |
| Graduate Professional | 1.50 | 82.00 | 123.00 |
| Senior Professional | 10.50 | 117.00 | 1,228.50 |
| Rate Schedule Labor | | | 2,304.75 |
| Total Phase : **** -- Professional Services | | | 2,304.75 |

| | |
|--|-----------------|
| Total Project : EGMAU18001 -- 2018 General Services | 2,304.75 |
|--|-----------------|

East Goshen Municipal Authority
EGMAU18001 Invoice Summary
Invoice Date 10/24/2018

| | | | |
|-------------------------------|-----------------------|--------------|------------|
| Project: | EGMAU18001 | | |
| Pennoni Job No.: | 2018 General Services | | |
| Invoice No: | 827475 | | |
| Invoice Period: | 9/17/2018 | to | 10/14/2018 |
| Initial Authorization: | \$ 18,000.00 | Date: | 10/24/2018 |
| Contract Amount: | \$ 23,000.00 | | |
| Previously Invoiced: | \$ 19,809.00 | | |
| Current Invoice: | \$ 2,304.75 | | |
| Invoiced to Date (\$): | \$ 22,113.75 | | |
| Invoiced to Date (%): | 96% | | |
| Remaining Budget (\$): | \$ 886.25 | | |
| Remaining Budget (%): | 4% | | |

Budget by Phase:

| | | | |
|-------------------------------|-----------------------|--|--|
| Phase Name: | 2018 General Services | | |
| Phase Budget: | \$ 23,000.00 | | |
| Previously Invoiced: | \$ 19,809.00 | | |
| Current Invoice: | \$ 2,304.75 | | |
| Invoiced to Date (\$): | \$ 22,113.75 | | |
| Invoiced to Date (%): | 96% | | |
| Remaining Budget (\$): | \$ 886.25 | | |
| Remaining Budget (%): | 4% | | |

Comments: General Consultation: Prepared October Engineers Report and prepared for and attended October MA meeting.
Caustic Soda Study: Completed analysis of trial sampling data, permanent feed system concept scoping, and associated cost estimates; submitted draft study summary report to Township and MA; and finalized and submitted report following review at October MA meeting.



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West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 827476
Invoice Date : 10/24/2018
Project : EGMAU18002
Project Name : 2018 I&I Support and Reports

For Services Rendered through: 10/14/2018

Initiated analysis of permanent meter data and preparation of semi-annual I&I report.

Hershey's Mill Pump Station capacity analysis: researched historical permits and rated capacity, evaluated current and recent years' flows and contributing EDUs versus PS capacities, discussed with Township, researched vendor pricing for upgraded pumps, and prepared email narrative detailing PS's lack of capacity and recommendations for upgrades and re-permitting to handle projected additional flows.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 4,073.75
Expense : 0.00
Phase Total : 4,073.75

Amount Due This Invoice

\$4,073.75

Fee : 11,000.00
Prior Billings : 2,532.75
Current Billings : 4,073.75
Total Billings : 6,606.50

Phase : **** -- Professional Services

Labor

| Class | Hours/ Units | Rate | Amount |
|------------------------|-----------------|--------|-----------------|
| Authority Engineer | 10.25 | 123.00 | 1,260.75 |
| Senior Professional | 1.25 | 117.00 | 146.25 |
| Associate Professional | 19.50 | 91.00 | 1,774.50 |
| Engineering Technician | 10.75 | 83.00 | 892.25 |
| Labor Total: | 41.75 | | 4,073.75 |

Total Phase : **** -- Professional Services

Labor : \$4,073.75
Expense : \$0.00

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

Labor : \$4,073.75
Expense : \$0.00

East Goshen Municipal Authority
EGMAU18002 Invoice Summary
Invoice Date 10/24/2018

Project: EGMAU18002
Pennoni Job No.: 2018 I&I Support and Reports
Invoice No: **827476**
Invoice Period: 6/18/2018 to 10/14/2018
Initial Authorization: \$ 11,000.00 **Date:** 10/24/2018
Contract Amount: \$ 11,000.00
Previously Invoiced: \$ 2,532.75
Current Invoice: \$ 4,073.75
Invoiced to Date (\$): \$ 6,606.50
Invoiced to Date (%): 60%
Remaining Budget (\$): \$ 4,393.50
Remaining Budget (%): 40%

Budget by Phase:

Phase Name: 2018 I&I Support and Reports
Phase Budget: \$ 11,000.00
Previously Invoiced: \$ 2,532.75
Current Invoice: \$ 4,073.75
Invoiced to Date (\$): \$ 6,606.50
Invoiced to Date (%): 60%
Remaining Budget (\$): \$ 4,393.50
Remaining Budget (%): 40%

Comments: Initiated analysis of permanent meter data and preparation of semi-annual I&I report. Hershey's Mill Pump Station capacity analysis: researched historical permits and rated capacity, evaluated current and recent years' flows and contributing EDUs versus PS capacities, discussed with Township, researched vendor pricing for upgraded pumps, and prepared email narrative detailing PS's lack of capacity and recommendations for upgrades and re-permitting to handle projected additional flows.



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 # : 827477
Invoice Date : 10/24/2018
Project : EGMAU18004
Project Name : Tallmadge Dr Sewer Constr Phase

For Services Rendered through: 10/14/2018

Continued coordination with contractor and insurance carrier on insurance coverage discrepancies; reviewed contractor's final, revised insurance document submissions; issued Notice to Proceed letter and prepared for and attended pre-construction meeting.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

| | |
|---------------|----------|
| Labor : | 1,380.75 |
| Expense : | 0.00 |
| Phase Total : | 1,380.75 |

Amount Due This Invoice

\$1,380.75

| | |
|--------------------|----------|
| Fee : | 9,000.00 |
| Prior Billings : | 1,333.75 |
| Current Billings : | 1,380.75 |
| Total Billings : | 2,714.50 |

Phase : **** -- Professional Services

| Labor Class | Hours/Units | Rate | Amount |
|------------------------|--------------|--------|-----------------|
| Authority Engineer | 3.25 | 123.00 | 399.75 |
| Associate Professional | 8.50 | 91.00 | 773.50 |
| Engineering Technician | 2.50 | 83.00 | 207.50 |
| Labor Total: | 14.25 | | 1,380.75 |

Total Phase : **** -- Professional Services

| | |
|-----------|------------|
| Labor : | \$1,380.75 |
| Expense : | \$0.00 |

Total Project : EGMAU18004 -- Tallmadge Dr Sewer Constr Phase

| | |
|-----------|------------|
| Labor : | \$1,380.75 |
| Expense : | \$0.00 |

East Goshen Municipal Authority
EGMAU18004 Invoice Summary
Invoice Date 10/24/2018

Project: EGMAU18004
Pennoni Job No.: Tallmadge Drive Sewer Construction Phase
Invoice No: 827477
Invoice Period: 9/17/2018 to 10/14/2018
Initial Authorization: \$ 9,000.00 **Date:** 10/24/2018
Contract Amount: \$ 9,000.00
Previously Invoiced: \$ 1,333.75
Current Invoice: \$ 1,380.75
Invoiced to Date (\$): \$ 2,714.50
Invoiced to Date (%): 30%
Remaining Budget (\$): \$ 6,285.50
Remaining Budget (%): 70%

Budget by Phase:

Phase Name: Tallmadge Drive Sewer Construction Phase
Phase Budget: \$ 9,000.00
Previously Invoiced: \$ 1,333.75
Current Invoice: \$ 1,380.75
Invoiced to Date (\$): \$ 2,714.50
Invoiced to Date (%): 30%
Remaining Budget (\$): \$ 6,285.50
Remaining Budget (%): 70%

Comments: Continued coordination with contractor and insurance carrier on insurance coverage discrepancies; reviewed contractor's final, revised insurance document submissions; issued Notice to Proceed letter to contractor; and prepared for and attended pre-construction meeting.



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

www.pennoni.com

October 3, 2018

EGMAU17007

Rick Smith, Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380

**RE: Payment Application No. 2 (Final) Recommendation Letter
Supplee Valley Sanitary Sewer Pipe Lining, Contract No. SSPL-2017**

Dear Mr. Smith:

The Contractor, SWERP Incorporated, has submitted the final payment application for work completed on this project. This is the second and final payment for this project. Please note that the payment application submitted by the Contractor is titled payment application #3. This is because we did not recommend approval of the Contractor's first payment application because the CIPP lining work was not complete at that time. However, we have observed the work-in-progress, and we confirm that the work has now been completed.

We have reviewed the attached Payment Application provided by the Contractor, and we recommend approval of the final payment in the amount of \$21,614.20 conditioned upon the contractor providing the Statement of Surety and Prevailing Wage Rate Certifications to the satisfaction of Pennoni.

The original Contractor's Release, which is a required closeout document, is attached. The Maintenance Bond was submitted at the beginning of the project.

If you have any questions, please contact me at your convenience.

Sincerely,
PENNONI ASSOCIATES INC.

Michael J. Ellis, PE
Authority Engineer

/lef

Enclosures: Payment Application #3 (Pages 1-2)
Contractor's Release

cc: Jon Altshul, Assistant Township Manager (via email)
Mark Miller, Public Works Director (via email)
East Goshen Municipal Authority (via email)

OWNER:

Township of East Goshen

APPLICATION FOR PAYMENT

Date: 08/27/2018

Current Application No. THREE
 Period Beginning: 04/13/2018
 Period Ending: 08/13/2018

PROJECT:

Supplee Valley Sanitary Sewer Pipe Lining

| ENGINEER: | | CONTRACTOR: | | | | | | | | | |
|--|--|---|------|--------------|------|----------------------------------|------------|----------|-------------|------------|--------------|
| Pennoni Associates, Inc. 121 Continental Drive, Suite 207 Newark, DE 19713 | | SWERP Incorporated 1237 Hayes Blvd. Bristol, PA 19007 | | | | | | | | | |
| ITEM NO. | Description | Original Quantity | Unit | Unit Cost | Unit | Quantity or Percentage | | Complete | | Amount | |
| | | | | | | Previous | This Month | To Date | Previous | This Month | To Date |
| 1 | CIPP Lining of 8" Pipe Within Township Roads | 2220 | LF | \$31.00 | | 2,244.00 | 0.00 | 2,244.00 | \$69,564.00 | \$0.00 | \$69,564.00 |
| 2 | Cleaning & Lining of 8" Pipe Within Easements | 1009 | LF | \$32.00 | | 1,021.00 | 0.00 | 1,021.00 | \$32,672.00 | \$0.00 | \$32,672.00 |
| 3 | Lateral Reinstatements | 33 | EA | \$100.00 | | 30.00 | 0.00 | 30.00 | \$3,000.00 | \$0.00 | \$3,000.00 |
| 4 | Manhole Pressure Grouting | 2 | EA | \$1,900.00 | | 0.00 | 2.00 | 2.00 | \$0.00 | \$3,800.00 | \$3,800.00 |
| 5 | Grout | 50 | GAL | \$50.00 | | 0.00 | 1.50 | 1.50 | \$0.00 | \$75.00 | \$75.00 |
| 6 | CIPP Lining of 8" Pipe between MH C384 - MH C040 | 305 | LF | \$42.00 | | 175.00 | 0.00 | 175.00 | \$7,350.00 | \$0.00 | \$7,350.00 |
| 7 | CIPP Lining of 8" Pipe between MH C411 - MH C410 | 145 | LF | \$40.00 | | 150.00 | 0.00 | 150.00 | \$6,000.00 | \$0.00 | \$6,000.00 |
| 8 | CIPP Lining of 8" Pipe between MH C417 - MH C416 | 262 | LF | \$34.00 | | 265.00 | 0.00 | 265.00 | \$9,010.00 | \$0.00 | \$9,010.00 |
| 9 | CIPP Lining of 8" Pipe between MH C407 - MH C406 | 159 | LF | \$34.00 | | 160.00 | 0.00 | 160.00 | \$5,440.00 | \$0.00 | \$5,440.00 |
| 10 | CIPP Lining of 8" Pipe between MH C384 - MH C385 | 318 | LF | \$32.00 | | 320.00 | 0.00 | 320.00 | \$10,240.00 | \$0.00 | \$10,240.00 |
| 11 | CIPP Lining of 8" Pipe between MH C0421 - MH C042H | 278 | LF | \$34.00 | | 285.00 | 0.00 | 285.00 | \$9,690.00 | \$0.00 | \$9,690.00 |
| 12 | CIPP Lining of 8" Pipe between MH C042G - MH C042 | 305 | LF | \$32.00 | | 315.00 | 0.00 | 315.00 | \$10,080.00 | \$0.00 | \$10,080.00 |
| 13 | Lateral Reinstatements | 25 | EA | \$100.00 | | 24.00 | 0.00 | 24.00 | \$2,400.00 | \$0.00 | \$2,400.00 |
| c/o 1 | Two Point Repair Installations | 1 | LS | \$5,427.00 | | 1.00 | 0.00 | 1.00 | \$5,427.00 | \$0.00 | \$5,427.00 |
| c/o 2 | Installation of 6 Saddle Liners and One Point Repair | 1 | LS | \$13,570.00 | | 0.48 | 0.00 | 0.48 | \$6,519.00 | \$0.00 | \$6,519.00 |
| ORIGINAL CONTRACT ESTIMATE | | | | \$175,520.00 | | GROSS AMOUNT DUE | | | | | \$181,267.00 |
| + -CHANGE ORDER VALUES | | | | \$5,747.00 | | NET AMOUNT DUE TO DATE | | | | | \$181,267.00 |
| CURRENT CONTRACT PLUS CHANGES | | | | \$181,267.00 | | LESS PREVIOUS PAYMENTS/ESTIMATES | | | | | \$159,652.80 |
| VALUE OF WORK IN PLACE | | | | \$181,267.00 | | AMOUNT PAYABLE THIS ESTIMATE | | | | | \$21,614.20 |
| ESTIMATED REMAINING WORK | | | | \$0.00 | | | | | | | |

Township of East Goshen
Supplee Valley Sanitary Sewer Pipe Lining
SWERP Inc.
Pennoni Associates Inc.
Application for Payment No. Two

Manhole Grouting

| | Date | Location |
|---|------------|----------------|
| 1 | 08/03/2018 | Manhole C384 |
| 2 | 08/03/2018 | Manhole C042FF |

Supplee Valley Sanitary Sewer Pipe Lining
Contract No. SSPL-2017

(TO BE COMPLETED AFTER CONSTRUCTION)

CONTRACTOR'S RELEASE

KNOW ALL MEN BY THESE PRESENTS THAT: _____

SWERP Incorporated

(Contractor)

of Bristol County and State of Pennsylvania

does hereby acknowledge that he has received this 27th day of August and from the

East Goshen Municipal Authority

(Owner)

the sum of ONE DOLLAR (\$1.00) and other valuable consideration in full satisfaction and payment of all sums of money owing payable and belonging to _____

SWERP Incorporated

(Contractor)

by any means whatsoever, for on account of a certain agreement hereinafter called the CONTRACT,

between the said East Goshen Municipal Authority

(Owner)

and SWERP Incorporated

(Contractor)

dated 12/13/2017

NOW THEREFORE, the said SWERP Incorporated

(Contractor)

(for myself, my heirs, executors and administrators) (for itself, its successors and

assigns) do by these presents remise, release, quit-claim and forever discharge the

said East Goshen Municipal Authority

(Owner)

its successors and assigns, of and from all claims and demands arising from or in connection with the said

CONTRACT dated 12/13/2017 and of and from all, and all manner of action and actions, cause and causes of action and actions, suits, debts, dues, duties, sum and sums of money, accounts, reckonings, bonds, bills, specialties, covenants, contracts, agreements, promises, variances, damages, judgments, extents executions, claims and demand, whatsoever, in law or equity, or otherwise which

against the said East Goshen Municipal Authority

(Owner)

Supplee Valley Sanitary Sewer Pipe Lining
Contract No. SSPL-2017

its successors and assigns, ever had, now have, or which (I, my heirs, executors, or administrators) (it, its successors and assigns) hereafter can, shall or may have, for upon or by reason of any matter, cause or thing whatsoever, from the beginning of the work to the date of these presents.

IN WITNESS WHEREOF SWERP Incorporated
(Contractor)

has caused these presents to be duly executed the 6th day of September, 2018.

Signed, Sealed and Delivered in the presence of:

_____(SEAL)
(Individual)

_____(SEAL)
(Partnership Contractor)

By _____(SEAL)
(Partner)

Attest:

_____(SEAL)

Laura Maszuzak
(Secretary)
Laura Maszuzak

By James T. Brooks, V.P.
(President or Vice-President)
James T. Brooks, V.P.

(CORPORATE SEAL)

CONTRACT CHANGE ORDER

| | | | |
|-------------------|--|--------------|-------------------------------------|
| CONTRACT NO.: | <u>SSPL-2017</u> | DATE: | <u>18-Sep-18</u> |
| CHANGE ORDER NO.: | <u>Supplee Valley Sanitary Sewer Pipe Lining</u> | PROJECT NO.: | <u>EGMAU17007</u> |
| TO: (Contractor) | <u>3</u> | LOCATION: | <u>East Goshen Township</u> |
| | <u>SWERP Incorporated</u> | | <u>Chester County, Pennsylvania</u> |

You are hereby requested to comply with the following changes from the contract plans and specifications.

| ITEM NO. | DESCRIPTION OF CHANGES-QUANTITIES,UNITS,UNIT PRICES,CHANGES IN COMPLETION SCHEDULE, ETC. | DECREASE IN CONTRACT PRICE | INCREASE IN CONTRACT PRICE |
|--|--|--|--|
| (1) | (2) | (3) | (4) |
| 1 | The following Bid Item estimated quantity is decreased: 5. Grout is decreased to 1,50 GAL. 3. Lateral Reinstatements is decreased to 30 EA. 6. CIPP Lining of 8" Pipe between MH C384 - MH C040 is decreased to 175 LF. 13. Lateral Reinstatements is decreased to 24 EA. | \$2,425.00 \$300.00 \$5,460.00 \$100.00 | |
| 2 | The following Change Order Item is decreased: c/o 2 Installation of 6 Saddle Liners is decreased to 48% of the lump sum. | \$7,051.00 | |
| 3 | The following Bid Items estimated quantities are increased: 1. CIPP Lining of 8" Pipe Within Township Roads is increased to 2,244 LF. 2. Cleaning and Lining of 8" Pipe Within Easements is increased to 1,021 LF 7. CIPP Lining of 8" Pipe between MH C411 - MH C410 is increased to 150 LF. 8. CIPP Lining of 8" Pipe between MH C417 - MH C416 is increased to 265 LF. 9. CIPP Lining of 8" Pipe between MH C407 - MH C408 is increased to 160 LF. 10. CIPP Lining of 8" Pipe between MH C394 - MH C385 is increased to 320 LF. 11. CIPP Lining of 8" Pipe between MH C042I - MH C042H is increased to 285 LF. 12. CIPP Lining of 8" Pipe between MI I C042G - MI I C042F is increased to 315 LF. | | \$744.00 \$384.00 \$200.00 \$102.00 \$34.00 \$64.00 \$238.00 \$320.00 |
| CHANGE IN CONTRACT PRICE DUE TO THIS CHANGE ORDER | | | |
| TOTAL DECREASE | | \$15,336.00 | |
| TOTAL INCREASE | | | \$2,086.00 |
| NET (INCREASE/DECREASE) CONTRACT PRICE (DIFFERENCE BETWEEN COL. (3) AND (4)) | | | (\$13,250.00) |

The sum of (\$13,250.00) is hereby added to the total contract price, and the total adjusted contract price to date is hereby \$181,267.00.

This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

| | | | |
|-----------------|---------------------------|-------|------------------|
| Accepted by: | <u><i>[Signature]</i></u> | Date: | <u>9/20/2018</u> |
| | Contractor | | |
| Recommended by: | <u><i>[Signature]</i></u> | Date: | <u>9/28/18</u> |
| | Engineer | | |
| Approved by: | _____ | Date | _____ |
| | Owner | | |



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 | (p) 610-696-8225
West Chester, PA 19381-0562 | (f) 610-344-0922
gglaw@gawthrop.com | www.gawthrop.com

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
10/08/2018
Client No: 6604-001M
Invoice No. 200550

General Authority Services

Fees

| | | Hours | |
|------------|--|-------|--------|
| 09/07/2018 | | | |
| PMM | Review and analyze meeting materials for Authority meeting; Email from M Ellis regarding Pennoni report; Email from K Cummings regarding same. | 0.60 | |
| 09/10/2018 | | | |
| JKW | Prepare for, travel to, and attend Municipal Authority meeting. | 2.50 | |
| PMM | Emails from M Ellis and M Stuart from Pennoni regarding photocopying level in SBR tanks. | 0.40 | |
| | For Current Services Rendered | 3.50 | 700.00 |

Recapitulation

| <u>Timekeeper</u> | <u>Hours</u> | <u>Hourly Rate</u> | <u>Total</u> |
|--------------------|--------------|--------------------|--------------|
| Jessica K. Wiesak | 2.50 | \$200.00 | \$500.00 |
| Patrick M. McKenna | 1.00 | 200.00 | 200.00 |

Expenses

| | | |
|------------|--------------------------------|-----------------|
| | J Wiesak - mileage | 15.94 |
| | Total Expenses Thru 09/30/2018 | 15.94 |
| | Previous Balance | \$500.00 |
| | Total Current Charges | 715.94 |
| 09/20/2018 | Payment | -500.00 |
| | Balance Due | <u>\$715.94</u> |



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 | (p) 610-696-8225
West Chester, PA 19381-0562 | (f) 610-344-0922
gglaw@gawthrop.com | www.gawthrop.com

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
11/09/2018
Client No: 6604-001M
Invoice No. 201997

General Authority Services

Fees

| | | Hours | |
|------------|------------------------------------|-------|-------|
| 10/04/2018 | | | |
| PMM | Review and analyze meeting packet. | 0.40 | |
| | For Current Services Rendered | 0.40 | 80.00 |

Recapitulation

| <u>Timekeeper</u> | <u>Hours</u> | <u>Hourly Rate</u> | <u>Total</u> |
|-----------------------|--------------|--------------------|-----------------|
| Patrick M. McKenna | 0.40 | \$200.00 | \$80.00 |
| Previous Balance | | | \$715.94 |
| Total Current Charges | | | 80.00 |
| Balance Due | | | <u>\$795.94</u> |

To ensure proper credit, please write client number on your check when returning payment. Thank You.
A finance charge of 1.25% per month (15% annually) may be charged on balances not paid 60 days after the invoice date.

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA October Financial Report & 2019 Proposed Budget
Date: November 1, 2018

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

In addition, I have attached a 2019 proposed Municipal Authority budget, along with excerpts from the Township's proposed budget materials and CIP about the Municipal Authority. I look forward to discussing with you on the 19th.

EAST GOSHEN TOWNSHIP
Other Funds
October 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 | 9 | (115.67) | (124.67) | 1 | (14.60) | (15.60) |
| CAPITAL RESERVE-INTEREST | 07341 1010 | | | | | | | |
| INTEREST EARNED - CONSTRUCTION | 07341 1020 | 50 | 50 | 613.94 | 563.94 | | | |
| DGED 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 | | 2,000.00 | 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 | 63,210 | 90,000.00 | 26,790.00 | 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 | 70,115 | 96,261.60 | 26,146.60 | 6,322 | 1,985.40 | (4,336.60) |
| 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 | 2,083 | 1,336.00 | 747.00 | 208 | | 208.00 |
| MUNIC. AUTH. -AUDITING | 07424 3110 | 9,384 | 9,384 | 9,400.00 | (16.00) | | | |
| ENGINEERING SERVICES | 07424 3130 | 43,260 | 36,050 | 63,282.14 | (27,232.14) | 3,605 | 4,839.25 | (1,234.25) |
| LEGAL SERVICES | 07424 3140 | | | 3,420.00 | (3,420.00) | | | |
| W.G. C.C. STP-UPGRADE | 07424 7400 | | | | | | | |
| HANHOLE 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 ASHERIDGE | 07424 7491 | | | | | | | |
| HERSHEY MILL STATION - ENGINEER | 07426 1000 | | | | | | | |
| HERSHEY MILL STATION - CONSTRUCTION | 07426 2000 | | | | | | | |
| TALLMADGE DRIVE | 07426 3000 | 14,000 | 11,666 | 17,299.75 | (5,633.75) | 1,167 | 1,333.75 | (167.08) |
| RESERVOIR PUMP STATION - ENGINEER | 07428 1000 | | | 188.00 | (188.00) | | | |

EAST GOSHEN TOWNSHIP
 Other Funds
 October 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 PAYMN | 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 | 143,227 | 222,039.29 | (78,812.29) | 4,980 | 6,173.00 | (1,193.33) |
| NET RESULT FROM OPERATIONS | | (59,686) | (73,112) | (125,777.69) | (52,665.69) | 1,342 | (4,187.60) | (5,529.93) |

2019 Year-to-Date Municipal Authority Revenues and Expenses, as of 10/31/18

| Account # | Description | Per | Debits | Credits | Date | Name | Description | Description 2 |
|-----------------|----------------------|------|--------|---------|------------|---------------------------------|------------------------------------|---------------|
| REVENUES | | | | | | | | |
| 07341-1000 | INTEREST EARNINGS | 1801 | 0 | 0.31 | 2/2/2018 | INTEREST EARNED JANUARY 2018 | 07 FUND | 7105.2 |
| 07341-1000 | INTEREST EARNINGS | 1802 | 0 | 0.2 | 2/14/2018 | INTEREST ADJ. FROM JAN. 2018 | 07 FUND | |
| 07341-1000 | INTEREST EARNINGS | 1802 | 0 | 0.54 | 3/5/2018 | INTEREST EARNED FEBRUARY 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1803 | 15 | 0 | 3/6/2018 | REIMBURSE S/R FOR BANK FEES | 07 FUND | |
| 07341-1000 | INTEREST EARNINGS | 1803 | 0 | 0.47 | 4/2/2018 | INTEREST EARNED MARCH 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1804 | 15 | 0 | 4/2/2018 | REIMB.S/R FOR 3/2018 BANK FEES | 07 FUND | |
| 07341-1000 | INTEREST EARNINGS | 1804 | 0 | 0.55 | 5/1/2018 | INTEREST EARNED APRIL 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1805 | 15 | 0 | 5/1/2018 | REIMBURSMT-4/2018 BANK FEES | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1805 | 15 | 0 | 6/1/2018 | BANK FEES - MAY 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1805 | 0 | 15 | 6/5/2018 | REVERSE TRX 63388 EXPENSE TO | BE ENTERED IN JUNE NOT MAY | |
| 07341-1000 | INTEREST EARNINGS | 1805 | 0 | 0.51 | 6/1/2018 | INTEREST EARNED MAY 2018 | 07 FUND | |
| 07341-1000 | INTEREST EARNINGS | 1806 | 15 | 0 | 6/5/2018 | REIMBURSE S/R FOR MAY '18 FEES | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1806 | 0 | 0.4 | 7/3/2018 | INTEREST EARNED JUNE 2018 | INTEREST EARNINGS | 7100.1035 |
| 07341-1000 | INTEREST EARNINGS | 1807 | 15 | 0 | 7/3/2018 | REIMBURSE S/R - 6/2018 BK FEES | M&T BANK - GEN'L CHKG # 9852637421 | |
| 07341-1000 | INTEREST EARNINGS | 1807 | 0 | 15 | 7/30/2018 | REVERSE EXP. TRX 63820 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1807 | 15 | 0 | 7/30/2018 | REIMBURSE S/R - 6/2018 BK FEES | INTEREST EARNINGS | 7100.1035 |
| 07341-1000 | INTEREST EARNINGS | 1808 | 15 | 0 | 8/2/2018 | INTEREST EARNED JULY 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1808 | 15 | 0 | 8/3/2018 | REIMBURSE S/R - 7/2018 BK FEES | INTEREST EARNINGS | 7100.1035 |
| 07341-1000 | INTEREST EARNINGS | 1808 | 0 | 0.14 | 9/4/2018 | INTEREST EARNED AUGUST 2018 | INTEREST EARNINGS | |
| 07341-1000 | INTEREST EARNINGS | 1809 | 15 | 0 | 9/5/2018 | REIMBURSE S/R FOR AUGUST 2018 | BANK FEES | |
| 07341-1000 | INTEREST EARNINGS | 1809 | 0 | 0.41 | 10/1/2018 | INTEREST EARNED SEPT. 2018 | BANK FEES | |
| 07341-1000 | INTEREST EARNINGS | 1810 | 15 | 0 | 10/1/2018 | REIMBURSE S/R FOR SEPT. 2018 | BANK FEES | |
| 07341-1000 | INTEREST EARNINGS | 1810 | 0 | 0.4 | 11/1/2018 | INTEREST EARNED OCTOBER 2018 | 07 FUND | 7100.1035 |
| 07341-1020 | INTEREST EARNED - CC | 1801 | 0 | 391.64 | 2/2/2018 | INTEREST EARNED JANUARY 2018 | 07 FUND | |
| 07341-1020 | INTEREST EARNED - CC | 1802 | 0 | 69.31 | 3/5/2018 | INTEREST EARNED FEBRUARY 2018 | 07 FUND | |
| 07341-1020 | INTEREST EARNED - CC | 1803 | 0 | 81.66 | 4/2/2018 | INTEREST EARNED MARCH 2018 | 07 FUND | |
| 07341-1020 | INTEREST EARNED - CC | 1804 | 0 | 71.3 | 5/1/2018 | INTEREST EARNED APRIL 2018 | 07 FUND | |
| 07341-1020 | INTEREST EARNED - CC | 1805 | 0 | 0.03 | 6/1/2018 | INTEREST EARNED MAY 2018 | 07 FUND | |
| 07364-1110 | R.C.TAPPING FEES | 1807 | 0 | 2000 | 7/13/2018 | TAP IN FEE FOR MARLIN DR | R.C.TAPPING FEES | |
| 07364-1110 | R.C.TAPPING FEES | 1810 | 0 | 2000 | 10/30/2018 | TAP IN FEE - 1603 E BOOT RD | R.C.TAPPING FEES | |
| 07364-1130 | CONNECTION FEES - SE | 1801 | 0 | 423 | 1/25/2018 | STOFFLET, MICHAEL | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1802 | 0 | 423 | 2/13/2018 | JACOBS, ROBERT & CHERYL | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1802 | 0 | 423 | 2/27/2018 | GEORGE SMITH & CHRISTINA CONLE | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1802 | 282.24 | 0 | 2/13/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1802 | 141.12 | 0 | 2/27/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1803 | 0 | 423 | 3/23/2018 | PAPPANO, JOSEPH & PATRICIA | JACOBS & STOFFLET INTEREST | |
| 07364-1130 | CONNECTION FEES - SE | 1803 | 141.12 | 0 | 3/23/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07380-1000 | MISCELLANEOUS REVE | 1802 | 0 | 282.24 | 2/13/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07380-1000 | MISCELLANEOUS REVE | 1802 | 0 | 141.12 | 2/27/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07380-1000 | MISCELLANEOUS REVE | 1803 | 0 | 141.12 | 3/23/2018 | ANNUAL PINE ROCK INSTALLMENT | JACOBS & STOFFLET INTEREST | |
| 07380-1000 | MISCELLANEOUS REVE | 1808 | 0 | 0.03 | 8/16/2018 | DEPOSIT CK 7100.1035 TO CLOSE | JACOBS & STOFFLET INTEREST | |
| 07392-0100 | TRANSFER FROM GENI | 1805 | 0 | 71.3 | 6/7/2018 | XFER \$ TO MA REGARDING DEPOSIT | JACOBS & STOFFLET INTEREST | |

| | | TO COVER EXPENSES | | | | 9/12/2018 | |
|-----------------|---------------------|-------------------|----------|----------|------------|----------------------------------|-------------------------------------|
| 07392-0500 | TRANSFER FROM SEWI | 1803 | 0 | 30000 | 3/29/2018 | XFER \$ FROM SEWER TO MUNICIPAL | |
| 07392-0500 | TRANSFER FROM SEWI | 1806 | 0 | 30000 | 6/22/2018 | XFER \$ FROM SEWER TO MA | |
| 07392-0500 | TRANSFER FROM SEWI | 1809 | 0 | 30000 | 9/12/2018 | XFER FROM SEWER TO M.A. | |
| EXPENSES | | | | | | | |
| 07424-1400 | ADMINISTRATIVE WAG | 1803 | 8160.33 | 0 | 3/25/2018 | EAST GOSHEN TOWNSHIP - GENERAL | 1ST QTR.2018 REIMBURSEMENT - MA |
| 07424-1400 | ADMINISTRATIVE WAG | 1806 | 8160.33 | 0 | 6/21/2018 | EAST GOSHEN TOWNSHIP - GENERAL | 2ND QTR.2018 REIMBURSEMENT - MA |
| 07424-1400 | ADMINISTRATIVE WAG | 1809 | 8382.36 | 0 | 9/28/2018 | EAST GOSHEN TOWNSHIP - GENERAL | QTR.3 2018 REIMBURSEMENT - MUN.AUTH |
| 07424-3000 | MISCELLANEOUS EXPE | 1801 | 100 | 0 | 1/31/2018 | COMMONWEALTH FINANCING AUTHORITY | GRANT APPLIC. DCED - WATER & SEWER |
| 07424-3000 | MISCELLANEOUS EXPE | 1805 | 1236 | 0 | 5/30/2018 | DELAWARE RIVER BASIN COMMISSION | ANNUAL FEE D-2000-030 CP WASTE |
| 07424-3110 | MUNIC.AUTH.-AUDITIT | 1803 | 6964 | 0 | 3/22/2018 | MAILLIE FALCONIERO & CO. | PROGRESS BILLING - M.AUTHORITY 2017 |
| 07424-3110 | MUNIC.AUTH.-AUDITIT | 1804 | 2436 | 0 | 4/17/2018 | MAILLIE FALCONIERO & CO. | EXAMINATION 2017 MA FINANCIAL STMTS |
| 07424-3130 | ENGINEERING SERVICE | 1801 | 12523.56 | 0 | 1/24/2018 | PENNONI ASSOCIATES INC. | SERV.THRU 12/10/17 2017 GENERAL |
| 07424-3130 | ENGINEERING SERVICE | 1802 | 5415 | 0 | 2/15/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 1/14/18 -2017 GENERAL |
| 07424-3130 | ENGINEERING SERVICE | 1803 | 552.5 | 0 | 2/22/2018 | PENNONI ASSOCIATES INC. | SERVICE THRU 1/14/18 SUPPLEE VAL. |
| 07424-3130 | ENGINEERING SERVICE | 1802 | 11749.08 | 0 | 3/15/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 2/11/18 2018 GEN.SERV |
| 07424-3130 | ENGINEERING SERVICE | 1806 | 9622.25 | 0 | 6/7/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 4/15/18 SUPPLEE VAL |
| 07424-3130 | ENGINEERING SERVICE | 1806 | 7503.93 | 0 | 6/12/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 5/20/18 BARKWAY PS |
| 07424-3130 | ENGINEERING SERVICE | 1807 | 16879.82 | 0 | 7/11/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 6/17/18 BARKWAY |
| 07424-3130 | ENGINEERING SERVICE | 1807 | 0 | 10556.75 | 7/10/2018 | RECLASS TALLMADGE DR EXPENSES | |
| 07424-3130 | ENGINEERING SERVICE | 1808 | 3619 | 0 | 8/15/2018 | PENNONI ASSOCIATES INC. | PROF.SERV. THRU 8/5/18 2018 GENERAL |
| 07424-3130 | ENGINEERING SERVICE | 1809 | 1134.5 | 0 | 9/11/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 8/12/18 SUPPLEE VAL |
| 07424-3130 | ENGINEERING SERVICE | 1810 | 4839.25 | 0 | 10/10/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 9/16/18 SUPPLEE VALL. |
| 07424-3140 | LEGAL SERVICES | 1801 | 680 | 0 | 1/24/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICES DEC. 2017 GEN.AUTH. |
| 07424-3140 | LEGAL SERVICES | 1802 | 240 | 0 | 2/22/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE - JAN.2018 GEN.AUTH. |
| 07424-3140 | LEGAL SERVICES | 1803 | 400 | 0 | 3/19/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE - FEBRUARY 2018 |
| 07424-3140 | LEGAL SERVICES | 1804 | 380 | 0 | 4/17/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE 3/12/18 |
| 07424-3140 | LEGAL SERVICES | 1805 | 480 | 0 | 5/16/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE - APRIL 2018 GEN.AUTH |
| 07424-3140 | LEGAL SERVICES | 1806 | 440 | 0 | 6/18/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERV.- MAY 2018 GEN.AUTHORITY |
| 07424-3140 | LEGAL SERVICES | 1807 | 300 | 0 | 7/30/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE JUNE 2018 GEN.AUTHOR. |
| 07424-3140 | LEGAL SERVICES | 1809 | 500 | 0 | 9/14/2018 | GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE 8/9-8/13/18 GEN.AUTH. |
| 07426-3000 | TALLMADGE DRIVE | 1807 | 1980 | 0 | 7/11/2018 | PENNONI ASSOCIATES INC. | SERVICE THRU 6/17/18 2018 TALLMADGE |
| 07426-3000 | TALLMADGE DRIVE | 1807 | 10556.75 | 0 | 7/10/2018 | RECLASS TALLMADGE DR EXPENSES | |
| 07426-3000 | TALLMADGE DRIVE | 1808 | 2607.25 | 0 | 8/15/2018 | PENNONI ASSOCIATES INC. | PROF.SERV. THRU 8/5/18 2018 TALLMDG |
| 07426-3000 | TALLMADGE DRIVE | 1809 | 822 | 0 | 9/11/2018 | PENNONI ASSOCIATES INC. | SERV.THRU 8/12/18 TALLMADGE- GEN. |
| 07426-3000 | TALLMADGE DRIVE | 1810 | 1333.75 | 0 | 10/10/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 9/16/18 TALLMADGE |
| 07428-1000 | RESERVOIR PUMP STA' | 1802 | 142.5 | 0 | 2/22/2018 | PENNONI ASSOCIATES INC. | SERVICE THRU 1/14/18 RESERV.RD PS |
| 07428-1000 | RESERVOIR PUMP STA' | 1806 | 45.5 | 0 | 6/7/2018 | PENNONI ASSOCIATES INC. | SERVICES THRU 4/15/18 RESERVOIR RD |
| 07429-6100 | WEST GOSHEN CAPITA | 1801 | 30050.7 | 0 | 1/24/2018 | WEST GOSHEN SEWER AUTHORITY | 16.67% OF COST - ENHANCED CHEMICAL |
| 07429-6100 | WEST GOSHEN CAPITA | 1802 | 3664.01 | 0 | 2/22/2018 | WEST GOSHEN SEWER AUTHORITY | 16.67% - ENHANCED CHEMICAL ADDITION |
| 07429-6100 | WEST GOSHEN CAPITA | 1803 | -3664.01 | 0 | 3/15/2018 | WEST GOSHEN SEWER AUTHORITY | VOID CK. 2017 |
| 07429-6100 | WEST GOSHEN CAPITA | 1804 | 72288.38 | 0 | 4/13/2018 | WEST GOSHEN SEWER AUTHORITY | 2017 SEWER SYSTEM REPAIR PROJECT |
| | | | | | | | .16667% EAST GOSHEN SHARE |

07492-0100 TRANSFER TO GENERA 1805 71.3 0 5/10/2018 EAST GOSHEN TOWNSHIP - GENERAL XFER TO GENERAL TO CLOSE ACCOUNT

07492-0500 TRANSFER TO SEW.OP: 1806 30000 0 6/22/2018 XFER FROM SEWER TO MA

07492-0500 TRANSFER TO SEW.OP: 1806 0 30000 6/22/2018 REVERSE TRX 63662

EAST GOSHEN TOWNSHIP
2019 Proposed Budget, November 13, 2018

| 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 | 2,000 | - | (2,000) | -100.0% |
| R.C. TAPPING FEES | 07364 1110 | 16,296 | 43,300 | - | 2,000 | 2,000 | - | (1,128) | -100.0% |
| CONNECTION FEES - SEWER | 07364 1130 | 1,269 | 1,128 | 1,128 | 1,692 | 1,128 | - | (565) | -100.0% |
| MISCELLANEOUS REVENUE | 07380 1000 | 423 | 564 | 564 | - | 565 | - | (71) | -100.0% |
| TRANSFER FROM GENERAL ACCT | 07392 0100 | - | - | - | - | 71 | 311,118 | 209,118 | 205.0% |
| TRANSFER FROM SEWER OPERATING | 07392 0500 | 40,000 | 77,000 | 185,000 | 89,853 | 102,000 | 357,000 | 357,000 | |
| TRANSFER FROM SEWER CAP RESV | 07392 0501 | - | - | - | - | - | - | - | - |
| 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% |
| MUNICAUTH.-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 | 130,000 | (188) | -100.0% |
| RELINING | 07429 1500 | - | - | - | - | - | 67,000 | 67,000 | |
| BARKWAY PUMP STATION CAPITAL | 07429 1501 | - | - | - | - | - | 125,000 | 125,000 | |
| ASHBRIDGE PUMP STATION CAPITAL | 07429 1502 | - | - | - | - | - | 87,000 | 87,000 | |
| HERSHEY'S MILL PUMP STATION CAPITAL | 07429 1503 | - | - | - | - | - | 169,500 | 169,500 | |
| HUNT CO PUMP STATION CAPITAL | 07429 1504 | - | - | - | - | - | 169,500 | 169,500 | |
| RCSTP CAPITAL | 07429 1501 | - | - | - | - | - | 169,500 | 169,500 | |
| WEST GOSHEN CAPITAL | 07429 6100 | - | - | 1,265,670 | 59,736 | 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, November 13, 2018

| Account Title | Acct # | 2015 Actual | 2016 Actual | 2017 Actual | 2018 Adopted | 2018 Y/E Projection | 2019 Proposed | \$ Increase | % Increase |
|----------------------------|------------|-------------|-------------|-------------|--------------|------------------------|------------------|-------------|------------|
| M.C.-DVRFA-INTEREST PAYM N | 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 | | |

DRAFT MUNICIPAL AUTHORITY

The Municipal Authority, which is a legally separate entity from the Township, is responsible for financing the construction, expansion and upgrade of the Township's sewage collection and treatment infrastructure. Beginning in 2019, it is proposed that all sewer capital purchases be made through the Municipal Authority, with transfers from the Sewer Operating Fund for both general operating costs and new capital assets and the Sewer Capital Reserve for replacement capital assets. Previously, only the MA's operating costs and selected capital expenses were borne by the Municipal Authority.

| | 2018 Adopted | 2018 Y/E Projection | 2019 Proposed |
|------------------------------|------------------|------------------------|------------------|
| Starting Fund Balance | \$142,331 | \$142,331 | \$1,928 |
| Revenues | \$101,605 | \$106,278 | \$700,425 |
| Expenses | \$161,291 | \$246,681 | \$700,425 |
| Year-End Fund Balance | \$82,645 | \$1,928 | \$1,928 |



November 13, 2018



MUNICIPAL AUTHORITY (cont.)

2018 PA Budget Highlights include:

\$32,307 in grant revenue for the Barkway Pump Station Muffin Monster through the PA Small Water & Sewer Grant Program (awarded September 2018)

- Note that East and West Whiteland's 60% share of the net (post-grant) share of this project is reflected in the Barkway Pump Station revenue line item in the Sewer Operating Fund.
- \$357,000 as a Transfer from the Sewer Capital Reserve Fund, reflecting the Ridley Creek STP generator replacement, Hunt Country PS Muffin Monster replacement, Hunt Country PS Mag Meter replacement and Hershey's Mill PS generator replacement.
- \$290,325 from the Sewer Operating Fund for:
 - \$12,000 for a new flow meter at along the Ridley Creek line to measure infiltration & inflow, which we are not currently able to measure;
 - \$34,693 for the Barkway PS Muffin Muffin Monster (i.e. net of grants)
 - \$130,000 for pre-mid 1970s era brick manhole and asbestos cement pipe relining, as part of maintenance plan agreed to four years ago
 - \$7,500 for an air splitter in the RCSTP control room to replace blowers and prevent damage to equipment from overheating
 - \$5,000 for Hunt Country PS bypass pump connection
 - \$121,948 for miscellaneous operating expenses, including general engineering, legal and administrative overhead



November 13, 2018



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2019-2023 Capital Improvement Program

Sewer & Municipal Authority

(Except West Goshen Upgrades)

| Category | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|------------------|------------------|------------------|------------------|------------------|
| Sewer Camera with Trailer (R & Sewer Cap Resv Fund) | \$100,000 | - | - | | |
| Hershey's Mill P/S Generator (R) | \$125,000 | - | - | | |
| Hunt Country P/S Mag Meter (R) | \$15,000 | - | - | | |
| Hunt Country Muffin Monster (R) | \$67,000 | | | | |
| Ridley Creek STP Generator (R) | \$150,000 | | | | |
| Refining AC sewer lines and brick man holes (N) | \$130,000 | \$130,000 | \$130,000 | \$130,000 | \$130,000 |
| Barkway P/S Muffin Monster (N & grants/Whitelands) | \$67,000 | | | | |
| Hunt Country P/S Bypass Pump (N) | \$5,000 | | | | |
| Ridley Creek Flow Meter (N) | \$12,000 | \$12,000 | | | |
| Ridley Creek STP Air Spacer (N) | \$7,500 | - | - | | |
| Ridley Creek Caustic Soda Project (N) | | \$160,000 | | | |
| Ridley Creek SBR Tank Lining (N) | | | \$61,000 | \$61,000 | \$61,000 |
| Total Sewer Capital | \$678,500 | \$302,000 | \$191,000 | \$191,000 | \$191,000 |
| Municipal Authority | \$578,500 | \$302,000 | \$191,000 | \$191,000 | \$191,000 |
| Sewer Capital Reserve Fund | \$100,000 | | | | |

(R=replacement; N=new)

11/13/18



2019-2023 Capital Improvement Program



Sewer & Municipal Authority

(Except West Goshen Upgrades)

Justification for New Assets

- **Relining brick manholes and asbestos cement sewer lines** was identified three years ago as a long term maintenance priority for pre-mid-1970s sewer assets, which are at the end of their useful life.
- **Muffin Monster and Safety-Related improvements at Barkway Pump Station** will address safety and pump efficiency concerns at this pump station, which has a 20 foot drop from ground level. About 60% of these costs are borne by East and West Whiteland. In addition, the Municipal Authority received a DCED grant for \$32,307 for this project.
- **New flow meter** along Line Road connecting to the Ridley Creek STP will allow us to measure I&I in that system. Currently, the only RC flow meters are at the plant.
- **Sequence Batch Reactor Tank Lining** (4 total, 2021-2024) project reflects recoating hairline fractures in tanks from water line to top of tanks. These costs are substantially lower than was anticipated last year, as there is no damage below the water line.
- **Ridley Creek STP Air Splitter** for control room to prevent overheating & equipment damage
- **Ridley Creek Caustic Soda project** to improve worker safety and efficiency at the plant. Currently, caustic soda is manually poured into tanks.
- **Hunt Country Pump Station Bypass Pump Connection** needed to allow for bypass pumping.



2019-2023 Capital Improvement Program



Upgrades at West Goshen STP

East Goshen Municipal Authority's Share Only

| Category | 2019 | 2020 | 2021 | 2022 | 2023 |
|---|--------------------|------------------|------|------|------|
| WWTP Phase II Improvements | \$1,311,712 | | | | |
| Westtown Way P/S Improvements | \$1,095,900 | | | | |
| Misc. Sanitary Sewer Improvements | | \$192,517 | | | |
| Misc Capital, Engineering, Legal and Admin Fees | | \$210,042 | | | |
| Total EGMA share of WGSMA projects | \$2,407,612 | \$402,559 | | | |
| Series 2017 Bond Proceeds | \$2,407,612 | \$402,559 | | | |

- Projected completion anticipated by December 31, 2020

11/13/18





Gawthrop Greenwood, PC
Attorneys at Law



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610.344.0922 fax
pmckenna@gawthrop.com

October 12, 2018

Louis F. Smith, Jr., Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

Re: 2019 Fees For Legal Services

Dear Rick:

Please be advised that for 2019, Gawthrop Greenwood has no plans to change the rates or the terms of engagement under which we currently service East Goshen Municipal Authority.

The firm is pleased to have the continuing opportunity to provide legal services to the Municipal Authority in 2019 at our current rate of \$200 per hour. I highly value our long-standing relationship with East Goshen Township and its officials and staff. I would expect that for purposes of budgeting you would be safe in assuming that our experience in 2019 will be similar to the amount of work we did in 2018.

Very truly yours,

Patrick M. McKenna

BOARD OF SUPERVISORS
EAST GOSHEN TOWNSHIP
CHESTER COUNTY
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

FYI

October 10, 2018

Dear Property Owner:

The purpose of this letter is to inform you that the East Goshen Township Board of Supervisors will hold a special meeting to discuss recommendations that have been developed by the Township Planning Commission and the Township's Planning consultant. These recommendations are being made for possible adoption into the Township Zoning Ordinance.

The recommendations center around developing regulations to allow for additional housing types for currently undeveloped or underdeveloped residential properties that are 20 acres or larger in the R-2 Zoning district of the Township, without increasing density.

You are receiving this letter because your property is located within 1000 feet of one of the properties that could be affected by these recommendations. The Board invites all interested parties to attend the meeting, listen to the presentation, and ask questions.

The Board will hold this special meeting on **Thursday, October 25, 2018 at 7 pm.** The meeting will be held at the Township Building, which is located at 1580 Paoli Pike, West Chester. The recommendations developed by the Planning Commission can be found on the "Latest News" section of the Township website; www.eastgoshen.org.

The Board meetings are also available to view live, on the Township YouTube channel. Please call or email me at mgordon@eastgoshen.org if you have any questions, need additional information, or require any special accommodations to participate in the meeting.

Sincerely,

Mark A. Gordon

Mark A. Gordon
Township Zoning Officer

Cc: Township Authority, Boards and Commissions
Mimi Gleason, Manager, West Whiteland Township (Via Email Only)
John Nagle, Manager, East Whiteland Township (Via Email Only)
David Burman, Manager, Willistown Township (Via Email Only)