

**EAST GOSHEN MUNICIPAL AUTHORITY**

**June 10, 2019**

**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. May 13, 2019

4. APPROVAL OF INVOICES

|                             |    |             |
|-----------------------------|----|-------------|
| Pennoni Invoice #860767     | \$ | 305.50      |
| Pennoni Invoice #860768     | \$ | 439.00      |
| Pennoni Invoice #860769     | \$ | 486.50      |
| Maillie Invoice #1000088750 | \$ | 2,643.00 PD |
| Horn Plumbing Pd. 50%       | \$ | 1,972.50    |

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. May Financial Report

8. OLD BUSINESS

- a.

9. GOALS

- a. Continue to monitor the upgrades at West Goshen Sewer Plant. Members have been attending meetings.  
b. Continue to implement the I&I Plan - on-going  
c. Continue to run the plant to DEP permit requirements

10. NEW BUSINESS
  - a.
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  
1560 PAOLI PIKE, WEST CHESTER, PA 19380-6199

June 7, 2019

To: Municipal Authority  
From: Mark Miller  
Re: May 2019 Monthly Report

- Monthly Flows:** West Goshen flow average is 815.000 for the month of May
- Meters:** The meters were read on a daily basis; flows have dropped considerable.
- C.C. Collection:** The pump stations have been visited on a daily basis with no problems to report.  
As you may have heard Sunoco had several Inadvertent returns along Boot Road, as a precaution we televised our sewer line each time to make sure our sewers were not compromised. All the work that was done was recharged back to Sunoco. On May 31<sup>st</sup> we were notified of a sewage blockage at Airport and Wilson Drive, it turns out the blockage was West Goshen Township not ours, however we ended up assisting them to clear the blockage. They will take care of notifying DEP. Goshen Valley had a sewer break underneath the 900 building as a result the property owners started to call DEP who in return contacted the Township. We worked with the property management company to get the line repaired which required us to make sure the repairs were done in a timely matter. The Muffin Monster arrived last week, we will get it installed after we complete our road paving projects.
- R.C. Collection:** The pumping stations were visited on a daily basis with no problems to report.
- R.C. Plant:** We worked with Big Fish to get the Sludge tank drained so we could switch out the valve for the sludge tank which was completed as soon as they finished cleaning the tank. Both valves have now been replaced. We completed the tree planting on the embankment, two of the neighbors called to say thank-you and were very appreciative of the Municipal Authority members for being responsive to their requests

**Alarms:** We responded to 18 alarms for May.

**PA One Calls:** We received 100 PA One Calls for the month of May.

**Monthly Rainfall:** 7.67 inches for May.

**EAST GOSHEN MUNICIPAL AUTHORITY  
ENGINEER'S REPORT  
June 7, 2019**

**Invoices**

- Invoices with summaries are provided under separate cover.

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

- We began evaluating the existing Spectrum Detroit Diesel "Generator 1" for replacement. This included a site visit, review of the existing generator specifications, and a review of the original site design plans and expansion improvement plans to develop the minimum electrical output requirements for the replacement generator.

**Barkway Pump Station Grinder**

- The Muffin Monster manhole and equipment was delivered to the Public Works garage in late May, approximately 6 weeks ahead of schedule.

**Tallmadge Drive Sewer Main Replacement**

- The 2-year maintenance bond period ends March 21, 2021.

**I&I Support and Reporting**

- We performed field visits with Mark Miller to identify potential locations in the Ridley Creek collection system for the next round of portable metering. It is our understanding that the metering contractor will be confirming the viability of the proposed manhole locations and will install three meters accordingly.

**New Connections**

- We reviewed a financial security estimate for the sewer system for the proposed daycare on Wilson Drive.

**Hershey's Mill Pump Station**

- We performed a field visit with Mark Miller to confirm the proposed location for the replacement generator. We will prepare a photo rendering of the pump station site with the new exterior generator as it would be viewed from Hershey's Mill community entrance drive, for use in coordination with the Condo Association. We have also coordinated the approach to obtaining floodplain approval for the new generator with Mark Gordon. A topographical survey will be needed to determine the elevation of the base floodplain (BFE) versus the proposed generator location in order to determine if/how to meet the requirement to elevate mechanical and electrical appurtenances at least 1.5' above the BFE. We will provide a proposal for the survey, floodplain coordination, and generator design.

**Permanent Flow Meter Manholes**

- We started investigation and research into permanent flow meter manholes and meter systems for installation for two locations in the collection system, including a field visit to the planned locations

with Mark Miller. The concept is to install new manholes (to ensure straight pipe runs through the meter), run electricity to them, and provide remote monitoring and data recording functionality. We are obtaining scoping and pricing from vendors for a variety of different flow metering technologies, such as Parshall or Palmer-Bowlus type flumes, ultrasonic, and lasers. We intend to provide a memo of alternatives and associated costs prior to the July MA meeting.



**Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of April 2019. Discharge to the Applebrook irrigation lagoon remained off line during April and May 2019. 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 April 2019 DMR.

**Table 1**

| <b>April 2019- Final Effluent - Outfall 001</b> |         |                   |               |      |               |                    |               |                             |               |                |               |
|---|---------|-------------------|---------------|------|---------------|--------------------|---------------|-----------------------------|---------------|----------------|---------------|
| NPDES Permit<br>Discharge Limitations           | Flow    | CBOD <sub>5</sub> |               | TSS  |               | NH <sub>4</sub> -N |               | Phosphorus, Total<br>, mg/L |               | Fecal Coliform |               |
|   | MGD     | mg/L              | lbs/<br>month | mg/L | lbs/<br>month | mg/L               | lbs/<br>month | mg/L                        | lbs/<br>month | Geo Mean       | Geo<br>Mean   |
|   | Average |                   |               |      |               |                    |               |                             |               |                |               |
|   | 0.75    | 20                | 125           | 10   | 131           | 2.5                | 44            | 0.5                         | 3             | 200            | 1,000         |
|   |         | 40                |               | 42   |               |                    |               |                             |               |                |               |
| Sample Date                                     |         |                   |               |      |               |                    |               |                             |               |                |               |
| April 2, 2019                                   | 0.436   | 2.0               | 7.3           | 2    | 7.3           | 0.358              | 1.30          | 0.21                        | 0.76          | 1              | 0.0000        |
| April 4, 2019                                   | 0.384   |                   |               | 1    | 3.2           |                    |               |                             |               |                |               |
| April 9, 2019                                   | 0.380   | 3.0               | 9.5           | 2    | 6.3           | 0.100              | 0.32          | 0.19                        | 0.60          | 1              | 0.0000        |
| April 11, 2019                                  | 0.381   |                   |               | 3    | 9.5           |                    |               |                             |               |                |               |
| April 16, 2019                                  | 0.396   | 2.2               | 7.3           | 2    | 6.6           | 0.100              | 0.33          | 0.19                        | 0.63          | 1              | 0.0000        |
| April 18, 2019                                  | 0.354   |                   |               | 12   | 35.4          |                    |               |                             |               |                |               |
| April 23, 2019                                  | 0.323   | 2.4               | 6.5           | 14   | 37.7          | 0.100              | 0.27          | 0.19                        | 0.51          | 1              | 0.0000        |
| April 25, 2019                                  | 0.358   |                   |               | 3    | 9.0           |                    |               |                             |               |                |               |
| April 30, 2019                                  | 0.300   | 2.0               | 5.0           | 3    | 7.5           | 0.120              | 0.30          | 0.19                        | 0.48          | 1              | 0.0000        |
| <b>Average</b>                                  | 0.368   | 2.3               | 7.1           | 5    | 13.6          | 0.156              | 0.50          | 0.19                        | 0.60          | 1              | <b>0.0000</b> |
| <b>Minimum</b>                                  | 0.300   | 2.0               | 5.0           | 1    | 3.2           | 0.100              | 0.27          | 0.19                        | 0.48          | 1              | <b>0.0000</b> |
| <b>Maximum</b>                                  | 0.436   | 3.0               | 9.5           | 14   | 37.7          | 0.358              | 1.30          | 0.21                        | 0.76          | 1              | <b>0.0000</b> |





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

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 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 2 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during April 2019.

**Table 2**

| <b>April 2019 - Influent Wastewater</b> |                |                  |         |      |         |                    |         |           |         |                         |         |
|---|----------------|------------------|---------|------|---------|--------------------|---------|-----------|---------|-------------------------|---------|
| Design Basis                            | Flow           | BOD <sub>5</sub> |         | TSS  |         | NH <sub>4</sub> -N |         | TKN, mg/L |         | Phosphorus, Total, mg/L |         |
|   | MGD<br>Average | mg/L             | lbs/day | mg/L | lbs/day | mg/L               | lbs/day | mg/L      | lbs/day | mg/L                    | lbs/day |
|   |                | 335              | 2,098   | 320  | 2,001   | 32                 | 200     | 48        | 301     | 9.1                     | 57      |
| Sample Date                             |                |                  |         |      |         |                    |         |           |         |                         |         |
| April 2, 2019                           | 0.548          | 110              | 502     | 52.2 | 238     | 20.7               | 95      | 52.2      | 238     | 3.7                     | 16.9    |
| April 9, 2019                           | 0.520          | 94               | 431     | 44   | 201     | 18.7               | 81      | 25.0      | 108     | 3.6                     | 15.6    |
| April 16, 2019                          | 0.537          | 84               | 383     | 204  | 931     | 16.6               | 74      | 36.2      | 162     | 4.1                     | 18.4    |
| April 23, 2019                          | 0.493          | 138.0            | 630     | 73   | 333     | 17.9               | 74      | 28.0      | 115     | 5.1                     | 21.0    |
| April 30, 2019                          | 0.453          | 139.0            | 635     | 188  | 858     | 18.6               | 70      | 24.3      | 92      | 4.1                     | 15.5    |
| Average                                 | 0.510          | 113              | 516     | 112  | 513     | 18.5               | 79      | 33.1      | 143     | 4.1                     | 17.5    |
| Minimum                                 | 0.453          | 84               | 383     | 44   | 201     | 16.6               | 70      | 24.3      | 92      | 3.6                     | 15.5    |
| Maximum                                 | 0.548          | 139              | 635     | 204  | 931     | 20.7               | 95      | 52.2      | 238     | 5.1                     | 21.0    |





Table 3 1 illustrates the available data for the final effluent composite sample data reported for outfall 001 for use with the May 2019 DMR.

**Table 3**

| <b>May 2019- Final Effluent - Outfall 001</b> |                |                   |               |      |               |                    |               |                             |               |                |               |
|---|----------------|-------------------|---------------|------|---------------|--------------------|---------------|-----------------------------|---------------|----------------|---------------|
| NPDES Permit<br>Discharge Limitations         | Flow           | CBOD <sub>5</sub> |               | TSS  |               | NH <sub>4</sub> -N |               | Phosphorus, Total<br>, mg/L |               | Fecal Coliform |               |
|   | MGD<br>Average | mg/L              | lbs/<br>month | mg/L | lbs/<br>month | mg/L               | lbs/<br>month | mg/L                        | lbs/<br>month | Geo Mean       | Geo<br>Mean   |
|   | 0.75           | 20                | 125           | 10   | 131           | 2.5                | 44            | 0.5                         | 3             | 200            | 1,000         |
|   |                | 40                |               | 42   |               |                    |               |                             |               |                |               |
| Sample Date                                   |                |                   |               |      |               |                    |               |                             |               |                |               |
| May 2, 2019                                   | 0.325          |                   |               | 3    | 8.1           |                    |               |                             |               |                |               |
| May 7, 2019                                   | 0.374          | 2.0               | 6.2           | 3    | 9.4           | 0.100              | 0.31          | 0.23                        | 0.72          | 6              | 0.7782        |
| May 14, 2019                                  | 0.535          | 2.9               | 12.9          | 4    | 17.8          | 0.100              | 0.45          | 0.25                        | 1.12          | 1              | 0.0000        |
| May 17, 2019                                  | 0.355          |                   |               | 4    | 11.8          |                    |               |                             |               |                |               |
| May 21, 2019                                  | 0.383          | 2.0               | 6.4           | 2    | 6.4           | 0.119              | 0.38          | 0.23                        | 0.73          | 5              | 0.6990        |
| May 23, 2019                                  | 0.377          |                   |               | 2    | 6.3           |                    |               |                             |               |                |               |
| May 28, 2019                                  | 0.465          | 2.0               | 7.8           | 2    | 7.8           | 0.152              | 0.59          | 0.23                        | 0.89          | 2              | 0.3010        |
| <b>Average</b>                                | 0.402          | 2.2               | 8.3           | 3    | 9.7           | 0.118              | 0.43          | 0.24                        | 0.86          | 4              | <b>0.4445</b> |
| <b>Minimum</b>                                | 0.325          | 2.0               | 6.2           | 2    | 6.3           | 0.100              | 0.31          | 0.23                        | 0.72          | 1              | <b>0.0000</b> |
| <b>Maximum</b>                                | 0.535          | 2.9               | 12.9          | 4    | 17.8          | 0.152              | 0.59          | 0.25                        | 1.12          | 6              | <b>0.7782</b> |

During May, the final effluent outfall 001 monthly average flow to Ridley Creek was measured and recorded as 0.391 MGD. This represents approximately 52.1% of the facility’s average daily design hydraulic loading of 0.750 MGD. This is slight increase as compared to the monthly average for April. The increase is attributed to draining the sludge holding tanks.

During May, influent flow measured at the manhole in the field prior to the Screening building was observed to have higher flow volumes as compared to the influent flow meter to the SBRs. Flows measured through the disc filters are consistent with those to the SBRs. The flow meter located within the “field” is believed to be inaccurate, therefore the flow measured to the SBRs was used to calculate the influent loadings.



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 influent organic loadings remain below those of the influent design loadings. Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during May 2019

**Table 4**

| <b>May 2019 - Influent Wastewater</b> |       |                  |         |       |         |                    |         |           |         |                         |         |
|---------------------------------------|-------|------------------|---------|-------|---------|--------------------|---------|-----------|---------|-------------------------|---------|
| Design Basis                          | Flow  | BOD <sub>5</sub> |         | TSS   |         | NH <sub>4</sub> -N |         | TKN, mg/L |         | Phosphorus, Total, mg/L |         |
|                                       | MGD   | mg/L             | lbs/day | mg/L  | lbs/day | mg/L               | lbs/day | mg/L      | lbs/day | mg/L                    | lbs/day |
|                                       |       | Average          | 335     | 2,098 | 320     | 2,001              | 32      | 200       | 48      | 301                     | 9.1     |
| Sample Date                           |       |                  |         |       |         |                    |         |           |         |                         |         |
| May 7, 2019                           | 0.518 | 130              | 562     | 182   | 786     | 17.0               | 73      | 30.9      | 133     | 5.6                     | 24.2    |
| May 14, 2019                          | 0.594 | 105              | 454     | 154   | 665     | 12.8               | 63      | 23.9      | 118     | 5.6                     | 27.7    |
| May 21, 2019                          | 0.485 | 105              | 454     | 240   | 1,037   | 25.5               | 103     | 38.1      | 154     | 5.1                     | 20.6    |
| May 28, 2019                          | 0.607 | 209              | 903     | 288   | 1,244   | 28.1               | 142     | 39.7      | 201     | 6.8                     | 34.4    |
| Average                               | 0.551 | 137              | 593     | 216   | 933     | 20.9               | 96      | 33.2      | 152     | 5.8                     | 26.7    |
| Minimum                               | 0.485 | 105              | 454     | 154   | 665     | 12.8               | 63      | 23.9      | 118     | 5.1                     | 20.6    |
| Maximum                               | 0.607 | 209              | 903     | 288   | 1244    | 28.1               | 142     | 39.7      | 201     | 6.8                     | 34.4    |

The foam on the SBR surface was observed to decrease slightly to approximately 50 to 80% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. The warmer water temperatures combined with increasing the F:M ratios to 0.06 will assist to reduce the foam concentrations.





Sequencing batch reactors (SBRs) numbered 1, 3 and 4 are in service during April and May. 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 for 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.

### 0.10

During May, 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. There were a few periods on continuous rainfall over consecutive days. A total of 7.82 inches of rainfall measured during the month. These events occurred on:

May 4<sup>th</sup>            0.45 inches

May 5<sup>th</sup>            1.09 inches

*Two consecutive days of rainfall.*

May 7<sup>th</sup>            0.68 inches

May 11<sup>th</sup>          0.50 inches

May 12<sup>th</sup>          1.19 inches

May 13<sup>th</sup>          0.70 inches

*Three consecutive days of rainfall for a total of 2.39 inches*

May 26<sup>th</sup>          0.10 inches

May 27<sup>th</sup>          0.17 inches

May 28<sup>th</sup>          1.50 inches

May 29<sup>th</sup>          0.52 inches

*Four consecutive days of rainfall for a total of 2.53 inches*

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.



**PA DEP**

No activity

**Solids Dewatering and Disposal:**

| May 2019                    |         |
|-----------------------------|---------|
| Gallons of sludge dewatered | 264,252 |
| Number of dumpsters         | 5       |

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

A decrease of gallons of 30,481 gallons of sludge was dewatered during May as compared to April. The decrease in gallons is attributed to an increase in the total solids concentration (pounds loading to the centrifuge) during May.

**Chemical Usage:**

| May 2019                  |               |               |
|---------------------------|---------------|---------------|
| Chemical                  | Daily Average | Total Monthly |
| Soda Ash                  | 313           | 9,400         |
| Aluminum Sulfate solution | 51.1          | 1,533         |
| Polymer (centrifuge)      | 0.85          | 15.3          |

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

**Flow data:**

| May 2019                                   |                            |                         |                         |
|--|----------------------------|-------------------------|-------------------------|
| Flow Meter Location                        | Total Volume for Month, MG | Average Daily Flow, gpd | Daily Maximum Flow, gpd |
| Influent Wastewater to Screening Building* | 15.630                     | 625,185                 | 947,190                 |
| Influent Wastewater to SBRs                | 16.330                     | 526,765                 | 800,768                 |
| Internal Recycle                           | 0                          | 0                       | 0                       |
| Treated Effluent to Disc Filters           | 15.940                     | 514,201                 | 747,520                 |
| Final Effluent Discharge                   | 12.121                     | 391,000                 | 632,000                 |
| Applebrook Golf Course                     | 0                          | 0                       | 0                       |



\*The field flow meter appears not to be functioning accurately. The filed field flow meter volume should be less than the influent to the SBRs as a result of the internal recycle flow rates.

**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

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**May 13, 2019**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, May 13, 2019 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Kevin Cummings, Jack Yahraes, Phil Mayer, and Walter Wujcik. Also in attendance were: Jon Altshul (Asst. Township Manager), Mark Miller (Director of Public Works), Michael Ellis (Pennoni), Carmen Battavio (Supervisor), and Jessica Wiesak (Attorney),

**COMMON ACRONYMS:**

|   |  |
|---|--|
| <i>BFES – Big Fish Environmental Services</i>       | <i>MA- Municipal Authority</i>                                 |
| <i>BOS – Board of Supervisors</i>                   | <i>NPDES – National Pollutant Discharge Elimination System</i> |
| <i>CB – Conservancy Board</i>                       | <i>PC – Planning Commission</i>                                |
| <i>DEP – Department of Environmental Protection</i> | <i>PM – Prevention Maintenance</i>                             |
| <i>EPA – Environmental protection Agency</i>        | <i>PR – Park &amp; Recreation Board</i>                        |
| <i>HC – Historical Commission</i>                   | <i>RCSTP – Ridley Creek Sewer Treatment Plant</i>              |
| <i>I&amp;I – Inflow &amp; 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**

Kevin 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, veterans and first responders. Kevin asked if anyone would be recording the meeting. There was no response.

**Chairman’s Report**

1. Walter attended the PMA meeting. NPDS fees will increase because they are hiring some more employees. Other fees were discussed. Act 156 amends the Sunshine Act.
2. Phil attended the West Goshen meeting. They are changing banks for some of their accounts. There was less than 6M gpd. Some safety issues at pump stations were discussed.

**Sewer Reports**

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

Monthly Flows: The average daily flows to West Goshen have not been received.

Meters: The meters were read on a daily basis. The meters were calibrated on May 6<sup>th</sup>. They did not require any adjustments. The probes and transducers were cleaned. The portable meters have been pulled in Bow Tree. We will determine the next step after reviewing the last quarter flows.

C.C. Collection: The pump stations have been visited on a daily basis. Routine maintenance was performed at each station. The wet wells were pumped down and the walls were scraped and the grit was vacuumed out. The generators were serviced as part of our preventive maintenance program, each was run under load and all electrical components were checked during the test. The two new pumps for Ashbridge pump station have arrived. They will be installed in the next rotation.



1 R.C. Collection: The pumping stations were visited on a daily basis. The wet wells were  
2 thoroughly cleaned and the grit was vacuumed out. The generators were serviced and run  
3 under load. The Hershey Mill generator is starting to burn oil. The pump wires were  
4 separated and installed in the new conduit that we installed.

5 Ridley Creek Plant: The plant was run on a daily basis by Big Fish. Personal labs were  
6 drawn and routine maintenance was performed. I received an e-mail from Ms. Hill who  
7 resides behind the plant, reporting an odor from the plant. I rode down to the plant at 9:30 pm  
8 and detected an odor as well. I thought it may have been caused by sludge tank #1 since we  
9 were draining it to change a valve. The next morning, I met the operator at the plant. He also  
10 detected an odor, however, he was confident that it was coming from SBR#2 since it was full  
11 of rain water and leaves. The operator dumped soda ash in the tank and added air to the tank.  
12 By the afternoon the odor was gone. We brought McGovern Inc. in to vacuum out the  
13 remaining sludge in tank #1 so we could change out the valve. The valve was changed out by  
14 Public Works and placed back online. I contacted the operator and advised him that we  
15 completed the valve replacement and he should plan on draining tank #2. Once tank #2 is  
16 empty, we will excavate the valve and replace it. I contacted Ms. Hill via e-mail and  
17 explained that we had found the source of the odor and if she had any concerns to please  
18 contact me.

19 The Public Works Department has milled and paved Tallmadge Drive. The work is  
20 completed.

21 Alarms: We responded to 17 alarms for April.

22 PA One Calls - We received 74 PA One Calls for the month of April. The PUC is taking  
23 over PA One Calls and plans to charge fees for everything.

24 Rainfall: 3.45 inches for April  
25

26 They fixed the leak in Bow Tree. The numbers have dropped significantly. He got  
27 recommendations for trees from Walter and the Conservancy Board. A new camera should be here in  
28 June. They will send out a letter to the apartment complexes. The DEP is involved in the problem at  
29 Goshen Valley.  
30

## 31 **2. Pennoni Engineer's Report for February**

32 Barkway Pump Station – The Muffin Monster vendor, Watermark, was authorized to proceed. We  
33 have reviewed submittals and it is our understanding that they have released the equipment for  
34 production. We anticipate equipment delivery will occur in mid-July.  
35

36 Tallmadge Drive Sewer Main Replacement – The 2-year maintenance bond period is until March  
37 21, 2021. We notified the contractor accordingly in writing.  
38

39 I&I Report – We continued to analyze meter data on a weekly basis for the three portable meters in  
40 Bow Tree and provide weekly updates to the PW Director. Data has now been analyzed from  
41 February 8 to April 23. As previously reported, there were very low overnight base flows at two of  
42 the metering locations (Double Pond and Eldridge Drive) indicating little to no continuous  
43 infiltration. There was  $\pm 10$  gpm of continuous base flow at the Achcom Way meter and that location  
44 also experienced a significant increase in flow on February 21, after a 1.84" rain event.

45 Pipe Data View televised the sewers upstream of Achcom Way the week of April 8 and located a  
46 significant break in the sewer line, which was subsequently repaired. The average flow at Achcom

1 was approx. 11,500 gpd over the following five days, which is an approximate 38,000 gpd reduction.  
2 Additionally, there no longer appears to be any baseflow upstream of the meter location. This  
3 significant reduction is considered to be primarily due to the repair but also coupled with reduced  
4 precipitation.

5  
6 New Connections

7 We recommend the Sewer Ordinance be amended to incorporate a few Township policies (i.e.  
8 minimum 6” laterals for non-residential uses, grinder pumps conveying into gravity laterals at the  
9 ROW line, prohibiting internal manhole drop connections) that have been the source of comments in  
10 multiple recent plan submissions.

11  
12 Hershey’s Mill Pump Station

13 We provided generator information and photos to the Public Works Director (for coordination with  
14 the HOA) and are evaluating the fuel tank sizing and site location alternatives. A larger generator  
15 will meet future expansion.

16  
17 **3. Big Fish Environmental Services** – The Ridley Creek sewage treatment plant outfall 001  
18 achieved compliance with the permit discharge limitations for the month of March 2019. Discharge  
19 to the Applebrook irrigation lagoon remained off line during March and April 2019. Chemical usage  
20 utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous  
21 months. No significant mechanical or operational issues were observed during operation of sludge  
22 dewatering equipment or SBR treatment process. Mark will check the exceedance and chemical  
23 usage report numbers.

24  
25 Approval of Minutes

26 The minutes of the April 8, 2019 meeting were approved as corrected.

27  
28 Approval of Invoices

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

|    |                         |             |
|----|-------------------------|-------------|
| 30 | Pennoni invoice #855973 | \$ 519.52   |
| 31 | Pennoni invoice #855974 | \$ 1,647.75 |
| 32 | Pennoni invoice #855975 | \$ 31.75    |
| 33 | Pennoni invoice #855976 | \$ 2,496.25 |
| 34 | Pennoni invoice #855977 | \$ 1,592.25 |
| 35 | Pennoni invoice #855978 | \$ 1,507.50 |

36 Walter seconded the motion. The motion passed unanimously.

37  
38 2. Phil moved to approve payment of the Gawthrop invoice #207417 for \$400.00. Jack seconded the  
39 motion. The motion passed unanimously.

40  
41 3. Phil moved to approve payment of the Delaware River Basin Comm. Invoice #7224 for \$626.00  
42 subject to Jon Altshul checking what was paid before. Walter seconded the motion. The motion  
43 passed unanimously.

1 **Financial Reports**

2 Jon Altshul provided the following written report:  
3 In April, the Municipal Authority recorded \$38,298 in revenues (from inter-fund transfers) and  
4 \$23,978 in expenses (including \$20,545 for Tallmadge Drive) for a positive variance of \$14,320. As  
5 of April 30<sup>th</sup>, the fund balance was \$27,741.  
6

7 **New Business**

8 1. PennDOT Agreement for Incorporated Work – Difference in wording was pointed out and  
9 discussed. Jon commented that payment will be by the Township. Kevin signed the required form.  
10

11 **Capacity Requests**

12 1. 1601 E. Boot Road is going to sale and may want to tie into the sewer line.  
13

14 **Any Other Matter**

15 1. Mark reported that he received 2 prices for installation of A/C in the plant. He is waiting for one  
16 more contractor's price.  
17

18 **Adjournment**

19 There being no further business, Jack moved to adjourn the meeting. Walter seconded the motion.  
20 The meeting was adjourned at 7:45 p.m. The next regular meeting will be held on Monday, June 10,  
21 2019 at 7:00 pm.  
22

23 Respectfully submitted,  
24

25  
26 Ruth Kiefer  
27 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 # : 860767  
Invoice Date : 05/23/2019  
Project : EGMAU18005  
Project Name : Hershey's Mill Generator Replace

For Services Rendered through: 5/12/2019

Generator fuel tank sizing alternatives evaluation, and review feasibility of alternative generator pad locations in response to PW Director's comments.

Phase : 01 -- Concept Design

Total Phase : 01 -- Concept Design

Labor : 305.50  
Expense : 0.00  
Phase Total : 305.50

Amount Due This Invoice

\$305.50

Fee : 5,000.00  
Prior Billings : 4,224.00  
Current Billings : 305.50  
Total Billings : 4,529.50

Phase : 01 -- Concept Design

| Labor Class         | Hours/<br>Units | Rate   | Amount        |
|---------------------|-----------------|--------|---------------|
| Authority Engineer  | 0.50            | 127.00 | 63.50         |
| Senior Professional | 2.00            | 121.00 | 242.00        |
| <b>Labor Total:</b> | <b>2.50</b>     |        | <b>305.50</b> |

Total Phase : 01 -- Concept Design

Labor : \$305.50  
Expense : \$0.00

Total Project : EGMAU18005 -- Hershey's Mill Generator Replace

Labor : \$305.50  
Expense : \$0.00

East Goshen Municipal Authority  
EGMAU18005 Invoice Summary  
Invoice Date 5/23/2019

**Project:** EGMAU18005  
**Pennoni Job No.:** Hershey's Mill Generator Replacement  
**Invoice No:** 860767  
**Invoice Period:** 4/15/2019 to 5/12/2019  
**Initial Authorization:** \$ 5,000.00 **Date:** 5/23/2019  
**Contract Amount:** \$ 5,000.00  
**Previously Invoiced:** \$ 4,224.00  
**Current Invoice:** \$ 305.50  
**Invoiced to Date (\$):** \$ 4,529.50  
**Invoiced to Date (%):** 91%  
**Remaining Budget (\$):** \$ 470.50  
**Remaining Budget (%):** 9%

**Budget by Phase:**

**Phase Name:** Hershey's Mill Generator Replacement  
**Phase Budget:** \$ 5,000.00  
**Previously Invoiced:** \$ 4,224.00  
**Current Invoice:** \$ 305.50  
**Invoiced to Date (\$):** \$ 4,529.50  
**Invoiced to Date (%):** 91%  
**Remaining Budget (\$):** \$ 470.50  
**Remaining Budget (%):** 9%

**Comments:** Generator fuel tank sizing alternatives evaluation, and review feasibility of alternative generator pad locations in response to PW Director's comments.



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P.O. Box 827328  
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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199  
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 860768  
Invoice Date : 05/23/2019  
Project : EGMAU19001  
Project Name : 2019 General Services

For Services Rendered through: 5/12/2019

May Engineer's Report and prepared for May Municipal Authority meeting.

Barkway Muffin Monster construction assistance: reviewed construction submittals and coordinated equipment delivery schedule with Township and vendor.

Notified Tallmadge Drive contractor in writing of maintenance bond start and end dates.

Phase : \*\*\*\* -- Professional Services

Total Phase : \*\*\*\* -- Professional Services

|               |        |
|---------------|--------|
| Labor :       | 439.00 |
| Expense :     | 0.00   |
| Phase Total : | 439.00 |

Amount Due This Invoice

\$439.00

|                    |           |
|--------------------|-----------|
| Fee :              | 27,000.00 |
| Prior Billings :   | 4,584.25  |
| Current Billings : | 439.00    |
| Total Billings :   | 5,023.25  |

Phase : \*\*\*\* -- Professional Services

| Labor Class            | Hours/Units | Rate   | Amount        |
|------------------------|-------------|--------|---------------|
| Authority Engineer     | 1.50        | 127.00 | 190.50        |
| Senior Professional    | 0.50        | 121.00 | 60.50         |
| Associate Professional | 2.00        | 94.00  | 188.00        |
| <b>Labor Total:</b>    | <b>4.00</b> |        | <b>439.00</b> |

Total Phase : \*\*\*\* -- Professional Services

|           |          |
|-----------|----------|
| Labor :   | \$439.00 |
| Expense : | \$0.00   |

Total Project : EGMAU19001 -- 2019 General Services

|           |          |
|-----------|----------|
| Labor :   | \$439.00 |
| Expense : | \$0.00   |



East Goshen Municipal Authority  
EGMAU19001 Invoice Summary  
Invoice Date 5/23/2019

|                               |                       |              |           |
|-------------------------------|-----------------------|--------------|-----------|
| <b>Project:</b>               | EGMAU19001            |              |           |
| <b>Pennoni Job No.:</b>       | 2019 General Services |              |           |
| <b>Invoice No:</b>            | <b>860768</b>         |              |           |
| <b>Invoice Period:</b>        | 4/15/2019             | to           | 5/12/2019 |
| <b>Initial Authorization:</b> | \$ 27,000.00          | <b>Date:</b> | 5/23/2019 |
| <b>Contract Amount:</b>       | \$ 27,000.00          |              |           |
| <b>Previously Invoiced:</b>   | \$ 4,584.25           |              |           |
| <b>Current Invoice:</b>       | \$ 439.00             |              |           |
| <b>Invoiced to Date (\$):</b> | \$ 5,023.25           |              |           |
| <b>Invoiced to Date (%):</b>  | 19%                   |              |           |
| <b>Remaining Budget (\$):</b> | \$ 21,976.75          |              |           |
| <b>Remaining Budget (%):</b>  | 81%                   |              |           |

**Budget by Phase:**

|                               |                       |  |  |
|-------------------------------|-----------------------|--|--|
| <b>Phase Name:</b>            | 2019 General Services |  |  |
| <b>Phase Budget:</b>          | \$ 27,000.00          |  |  |
| <b>Previously Invoiced:</b>   | \$ 4,584.25           |  |  |
| <b>Current Invoice:</b>       | \$ 439.00             |  |  |
| <b>Invoiced to Date (\$):</b> | \$ 5,023.25           |  |  |
| <b>Invoiced to Date (%):</b>  | 19%                   |  |  |
| <b>Remaining Budget (\$):</b> | \$ 21,976.75          |  |  |
| <b>Remaining Budget (%):</b>  | 81%                   |  |  |

**Comments:** May Engineer's Report and prepared for May Municipal Authority meeting.

Barkway Muffin Monster construction assistance: reviewed construction submittals and coordinated equipment delivery schedule with Township and vendor.

Notified Tallmadge Drive contractor in writing of maintenance bond start and end dates.



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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 # : 860769  
Invoice Date : 05/23/2019  
Project : EGMAU19002  
Project Name : 2019 I&I Support and Reports

For Services Rendered through: 5/12/2019

Flow analyses of portable metering in Bow Tree including analysis of Ashcom Dr flows following upstream pipe rehabilitation. Evaluated manhole locations for next portable metering period.

Phase : \*\*\*\* -- Professional Services

Total Phase : \*\*\*\* -- Professional Services

Labor : 486.50  
Expense : 0.00  
Phase Total : 486.50

Amount Due This Invoice

\$486.50

Fee : 11,000.00  
Prior Billings : 6,092.00  
Current Billings : 486.50  
Total Billings : 6,578.50

Phase : \*\*\*\* -- Professional Services

| Labor Class            | Hours/Units | Rate   | Amount        |
|------------------------|-------------|--------|---------------|
| Authority Engineer     | 0.50        | 127.00 | 63.50         |
| Associate Professional | 4.50        | 94.00  | 423.00        |
| <b>Labor Total:</b>    | <b>5.00</b> |        | <b>486.50</b> |

Total Phase : \*\*\*\* -- Professional Services

Labor : \$486.50  
Expense : \$0.00

Total Project : EGMAU19002 -- 2019 I&I Support and Reports

Labor : \$486.50  
Expense : \$0.00

East Goshen Municipal Authority  
EGMAU19002 Invoice Summary  
Invoice Date 5/23/2019

**Project:** EGMAU19002  
**Pennoni Job No.:** 2019 I&I Support and Reports  
**Invoice No:** 860979  
**Invoice Period:** 4/15/2019 to 5/12/2019  
**Initial Authorization:** \$ 11,000.00 **Date:** 5/23/2019  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 6,092.00  
**Current Invoice:** \$ 486.50  
**Invoiced to Date (\$):** \$ 6,578.50  
**Invoiced to Date (%):** 60%  
**Remaining Budget (\$):** \$ 4,421.50  
**Remaining Budget (%):** 40%

**Budget by Phase:**

**Phase Name:** 2019 I&I Support and Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 6,092.00  
**Current Invoice:** \$ 486.50  
**Invoiced to Date (\$):** \$ 6,578.50  
**Invoiced to Date (%):** 60%  
**Remaining Budget (\$):** \$ 4,421.50  
**Remaining Budget (%):** 40%

**Comments:** Flow analyses of portable metering in Bow Tree including analysis of Ashcom Dr flows following upstream pipe rehabilitation. Evaluated manhole locations for next portable metering period.



PO Box 680  
Oaks, PA 19456-0680  
Phone: 610-935-1420

Web: www.maillie.com  
E-mail: firm@maillie.com

East Goshen Municipal Authority  
Attn: Mr. Rick Smith  
1580 Paoli Pike  
West Chester, PA 19380-6107

Client Number: 2500  
Invoice: 1000088750  
Date: 04/30/2019  
Due Date: Upon Receipt

For examination of the financial statements of the Authority for the year ended December 31, 2018, and assistance with preparation of Management Discussion and Analysis report \$9,650.00

Less Progress Billing (\$7,007.00)

|                        |                          |
|------------------------|--------------------------|
| Billed Time & Expenses | <u>\$2,643.00</u>        |
| Invoice Total          | <u><u>\$2,643.00</u></u> |

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07424 3110

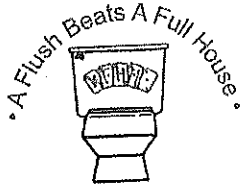
| <u>04/30/2019</u> | <u>03/31/2019</u> | <u>02/28/2019</u> | <u>01/31/2019</u> | <u>12/31/2018+</u> | <u>Total</u> |
|-------------------|-------------------|-------------------|-------------------|--------------------|--------------|
| 2,643.00          | 0.00              | 0.00              | 0.00              | 0.00               | \$2,643.00   |

Please return this portion with payment.

ID: 2500  
East Goshen Municipal Authority  
610-692-7171

Invoice: 1000088750  
Date: 04/30/2019  
Due Date: Upon Receipt

Amount Due: \$2,643.00  
Amount Enclosed: \$ \_\_\_\_\_



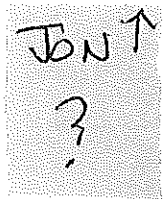
**HORN PLUMBING & HEATING, INC.**  
304 NATIONAL ROAD, SUITE 100, EXTON, PA 19341  
HIC# PA 031148  
(610) 363-4200 FAX (610) 363-9080 www.hornplumbing.com

May 9, 2019

East Goshen Township  
Attn: Mark Miller  
1580 Paoli Pike  
West Chester Pa 19380  
Cell 610-656-2742  
Office: 610-692-7171  
Email: [mmiller@eastgoshen.org](mailto:mmiller@eastgoshen.org)  
Job Location: Ridley Creek Sewer Plant

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: ~~07424-7440~~

07424-7440



**Mini Split HVAC Unit**  
**Sewer Plant Control Room**

- Install a Carrier Performance model # MAQB12-3, 12,000 BTU, 22.50 S.E.E.R., 410-A heat pump outdoor condensing unit
- Install a Carrier Performance model # 40MAQB12B-3, 12,000 BTU 410-A high wall air handler
- Carrier air handler comes with remote control programmable thermostat

**Estimated Cost \$ 3,945.00**

1972.50 pd.

Note: Carrier light commercial equipment comes with a 5 year compressor and 5 year limited parts warranty

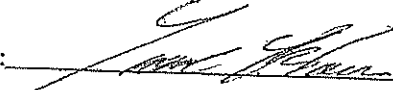
**Services Included**

- Install wall bracket for condensing unit
- Install indoor air handler
- Installing the refrigerant piping
- Install line voltage from outdoor unit to the indoor unit
- Install the refrigerant piping, wiring, and condensate drain in a piece of slim duct on the outside wall of the building
- Perform a start up on the unit and make all necessary adjustments

**Service Not Included**

- Township will provide a 208/230 volt single phase electrical line voltage wire out to the condenser, Horn Plumbing and Heating Inc. will supply and install a service disconnect and whip to the condenser, Horn Plumbing & Heating Inc. will provide wire size and breaker size specifications for the electrician

JOB ESTIMATED BY Todd Horn:



After acceptance of proposal, sign and remit via fax, e-mail or standard mail. 50% deposit required

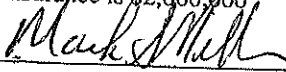
Permit Fees not Included

You, the buyer, may cancel this transaction at any time prior to midnight of the third business day after the date of this transaction. See the attached notice of cancellation form for an explanation of this right.

The registration number of Horn Plumbing & Heating, Inc. can be obtained from the Pennsylvania Office of Attorney General's Bureau of Consumer by calling 1-888-520-6680.

Our combined single limit insurance is \$2,000,000

CLIENT SIGNATURE:





# Memo

---

To: Municipal Authority  
From: Jon Altshul  
Re: MA May Financial Report  
Date: June 7, 2019

---

In May, the Municipal Authority recorded \$8,798 in revenues (from inter-fund transfers) and \$13,437 in expenses for a negative variance of \$4,639. As of May 31<sup>st</sup>, the fund balance was \$23,102.

A complete list of YTD MA revenues and expenses is attached.

EAST GOSHEN TOWNSHIP  
Other Funds  
May 2019  
Municipal Authority

| Account Title                       | Acct #     | Annual<br>Budget | Y-T-D<br>Budget | Y-T-D<br>Actual   | Y-T-D<br>Variance | M-T-D<br>Budget | M-T-D<br>Actual | M-T-D<br>Variance |
|-------------------------------------|------------|------------------|-----------------|-------------------|-------------------|-----------------|-----------------|-------------------|
| <b>REVENUE</b>                      |            |                  |                 |                   |                   |                 |                 |                   |
| INTEREST EARNINGS                   | 07341 1000 |                  |                 | (71.36)           | (71.36)           |                 | (29.34)         | (29.34)           |
| CAPITAL RESERVE-INTEREST            | 07341 1010 |                  |                 |                   |                   |                 |                 |                   |
| INTEREST EARNED - CONSTRUCTION      | 07341 1020 |                  |                 |                   |                   |                 |                 |                   |
| DCED GRANT                          | 07354 0400 | 32,307           |                 |                   |                   |                 |                 |                   |
| C.C. TAPPING FEES                   | 07364 1100 |                  |                 |                   |                   |                 |                 |                   |
| R.C. TAPPING FEES                   | 07364 1110 |                  |                 |                   |                   |                 |                 |                   |
| M.C. LOAN PAYMENTS                  | 07364 1120 |                  |                 |                   |                   |                 |                 |                   |
| CONNECTION FEES - SEWER             | 07364 1130 |                  |                 | 845.64            | 845.64            |                 |                 |                   |
| MISCELLANEOUS REVENUE               | 07390 1000 |                  |                 | 424.36            | 424.36            |                 |                 |                   |
| TRANSFER FROM GENERAL ACCT          | 07392 0100 |                  |                 |                   |                   |                 |                 |                   |
| TRANSFER FROM SEWER OPERATING       | 07392 0500 | 311,118          | 100,000         | 151,597.55        | 51,597.55         |                 | 8,789.27        | 8,789.27          |
| TRANSFER FROM SEWER CAP RESV        | 07392 0501 | 357,000          |                 |                   |                   |                 |                 |                   |
| TRANSFER-ANNUAL CAP. RESERVE        | 07392 0510 |                  |                 |                   |                   |                 |                 |                   |
| GRANT REVENUE                       | 07392 0800 |                  |                 |                   |                   |                 |                 |                   |
| LOAN PROCEEDS - SEWER PROJECT       | 07392 0804 |                  |                 |                   |                   |                 |                 |                   |
| TRANSFER FROM SEWER CAP RESERVE     | 07392 0900 |                  |                 | 16,060.72         | 16,060.72         |                 | 37.75           | 37.75             |
| <b>TOTAL REVENUE</b>                |            | <b>700,425</b>   | <b>100,000</b>  | <b>168,856.91</b> | <b>68,856.91</b>  |                 | <b>8,797.68</b> | <b>8,797.68</b>   |
| <b>EXPENSES</b>                     |            |                  |                 |                   |                   |                 |                 |                   |
| ADMINISTRATIVE WAGES                | 07424 1400 | 32,000           | 8,000           | 7,587.59          | 412.41            |                 |                 |                   |
| R.C. LOAN ISSUANCE COSTS            | 07424 1500 |                  |                 |                   |                   |                 |                 |                   |
| MISCELLANEOUS EXPENSE               | 07424 3000 | 2,262            | 943             | 634.00            | 309.00            | 189             | 626.00          | (437.00)          |
| MUNIC. AUTH. -AUDITING              | 07424 3110 | 9,663            | 9,663           | 9,650.00          | 13.00             |                 | 2,643.00        | (2,643.00)        |
| ENGINEERING SERVICES                | 07424 3130 | 70,000           | 29,166          | 24,560.25         | 4,605.75          | 5,833           | 5,596.00        | 237.00            |
| LEGAL SERVICES                      | 07424 3140 | 8,000            | 3,340           | 1,980.00          | 1,360.00          | 670             | 400.00          | 270.00            |
| 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 |                  |                 | 13,803.22         | (13,803.22)       |                 | 1,972.50        | (1,972.50)        |
| 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 |                  |                 | 4,224.00          | (4,224.00)        |                 | 31.75           | (31.75)           |
| HERSHEY MILL STATION - CONSTRUCTION | 07426 2000 |                  |                 |                   |                   |                 |                 |                   |
| TALLMADGE DRIVE                     | 07426 3000 |                  |                 | 102,660.00        | (102,660.00)      |                 | 1,647.75        | (1,647.75)        |

EAST GOSHEN TOWNSHIP  
Other Funds  
May 2019  
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 - ENGINEER   | 07428 1000 |                |                 |                   |                  |                |                   |                   |
| RESERVOIR PUMP STATION CONSTRUCTION | 07428 2000 |                |                 |                   |                  |                |                   |                   |
| RELINING                            | 07429 1500 | 130,000        | 32,500          |                   | 32,500.00        |                |                   |                   |
| BARKWAY PUMP STATION CAPITAL        | 07429 1501 | 67,000         | 16,750          | 6,578.71          | 10,171.29        |                | 519.52            | (519.52)          |
| HERSHEYS MILL PUMP STATION CAPITAL  | 07429 1503 | 125,000        | 31,250          |                   | 31,250.00        |                |                   |                   |
| HUNT CO PUMP STATION CAPITAL        | 07429 1504 | 87,000         | 21,750          |                   | 21,750.00        |                |                   |                   |
| RCSTP CAPITAL                       | 07429 1505 | 169,500        | 42,375          |                   | 42,375.00        |                |                   |                   |
| ASEBESTOS CONCRETE ENGINEERING      | 07429 3130 |                |                 |                   |                  |                |                   |                   |
| DIVERSION PROJ.- LEGAL              | 07429 3166 |                |                 |                   |                  |                |                   |                   |
| WEST GOSHEN CAPITAL                 | 07429 6100 |                |                 |                   |                  |                |                   |                   |
| 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 PAYM            | 07472 1000 |                |                 |                   |                  |                |                   |                   |
| M.A.-R.C. INTEREST                  | 07472 1010 |                |                 |                   |                  |                |                   |                   |
| DVRFA PUMPING STATIONS - INTEREST   | 07472 2000 |                |                 |                   |                  |                |                   |                   |
| TRANSFER TO GENERAL FUND            | 07492 0100 |                |                 |                   |                  |                |                   |                   |
| TRANSFER TO SEW.OPERATING           | 07492 0500 |                |                 |                   |                  |                |                   |                   |
| TRF TO SEWER SINKING FUND           | 07492 0550 |                |                 |                   |                  |                |                   |                   |
| TRANSFER TO AUTHORITY CAP FUND      | 07492 0990 |                |                 |                   |                  |                |                   |                   |
| <b>TOTAL EXPENSES</b>               |            | <b>700,425</b> | <b>195,737</b>  | <b>171,677.77</b> | <b>24,059.23</b> | <b>6,692</b>   | <b>13,436.52</b>  | <b>(6,744.52)</b> |
| <b>NET RESULT FROM OPERATIONS</b>   |            |                | <b>(95,737)</b> | <b>(2,820.86)</b> | <b>92,916.14</b> | <b>(6,692)</b> | <b>(4,638.84)</b> | <b>2,053.16</b>   |

Year-to-Date Transactions (6/7/19)--Municipal Authority

| Account #  | Description                     | Per  | Src | Debits   | Credits   | Date      | Check#    | Name                                 | Description                              | Description 2 | Description 3 |
|------------|---------------------------------|------|-----|----------|-----------|-----------|-----------|--------------------------------------|--|---------------|---------------|
| 07341-1000 | BEGINNING BALANCE               | 1901 | JE  | 15.00    | -         | 1/4/2019  | BANK FEES | REIMBURSE \$/R FOR DEC.2018          | BANK FEES                                |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1901 | JE  | -        | 1.06      | 2/4/2019  | INTEREST  | INTEREST EARNED JANUARY 2019         |  |               | 7100.1035     |
| 07341-1000 | INTEREST EARNINGS               | 1902 | JE  | 15.00    | -         | 2/4/2019  | REIMBURSE | REIMBURSE \$/R FOR JANUARY 2019      | BANK FEES                                |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1902 | JE  | -        | 0.66      | 3/4/2019  | INTEREST  | INTEREST EARNED FEB.2019             |  |               | 7100.1035     |
| 07341-1000 | INTEREST EARNINGS               | 1903 | JE  | -        | 0.62      | 3/31/2019 | INTEREST  | INTEREST EARNED MARCH 2019           |  |               | 7100.1035     |
| 07341-1000 | INTEREST EARNINGS               | 1904 | JE  | 15.00    | -         | 4/3/2019  | REIMBURSE | REIMBURSE \$/R FOR MARCH 2019        | BANK FEES                                |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1904 | JE  | -        | 0.64      | 4/30/2019 | INTEREST  | INTEREST EARNED APRIL 2019           |  |               | 7100.1035     |
| 07341-1000 | INTEREST EARNINGS               | 1905 | JE  | 15.00    | -         | 5/3/2019  | REIMBURSE | REIMBURSE \$/R FOR APRIL 2019        | BANK FEES                                |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1905 | JE  | 15.00    | -         | 5/6/2019  | BANK FEES | REIMBURSE \$/R FOR FEB.2019          | BANK FEES                                |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1905 | JE  | -        | 0.66      | 6/4/2019  | INTEREST  | INTEREST EARNED MAY 2019 07          | FUND                                     |               |               |
| 07341-1000 | INTEREST EARNINGS               | 1906 | JE  | 15.00    | -         | 6/4/2019  | REIMBURSE | REIMBURSE \$/R FOR MAY 2019          | BANK FEES                                |               |               |
| 07364-1130 | BEGINNING BALANCE               | 1901 | CR  | -        | 423.00    | 1/30/2019 |           | 2629 STOFFLET, MICHAEL               |  |               |               |
| 07364-1130 | CONNECTION FEES - SEWER         | 1902 | CR  | -        | 423.00    | 2/11/2019 |           | 570 JACOBS, ROBERT & CHERYL          |  |               |               |
| 07364-1130 | CONNECTION FEES - SEWER         | 1902 | CR  | -        | 423.00    | 2/19/2019 | 138 23    | GEORGE SMITH & CHRISTINA CONLE       |  |               |               |
| 07364-1130 | CONNECTION FEES - SEWER         | 1902 | JE  | 141.12   | -         | 2/1/2019  | PINE ROCK | ANNUAL PINE ROCK - INTEREST          | PMT - STOFFLET                           |               |               |
| 07364-1130 | CONNECTION FEES - SEWER         | 1902 | JE  | 141.12   | -         | 2/11/2019 |           | 2019 ANNUAL PINE ROCK INTEREST PMT   | JACOBS                                   |               |               |
| 07364-1130 | CONNECTION FEES - SEWER         | 1902 | JE  | 141.12   | -         | 2/19/2019 | PINE ROCK | ANNUAL PINE ROCK INSTALLMENT         | RC210                                    |               |               |
| 07380-1000 | MISCELLANEOUS REVENUE           | 1902 | JE  | -        | 141.12    | 2/1/2019  | PINE ROCK | ANNUAL PINE ROCK - INTEREST          | PMT - STOFFLET                           |               |               |
| 07380-1000 | MISCELLANEOUS REVENUE           | 1902 | JE  | -        | 141.12    | 2/11/2019 |           | 2019 ANNUAL PINE ROCK INTEREST PMT   | JACOBS                                   |               |               |
| 07380-1000 | MISCELLANEOUS REVENUE           | 1902 | JE  | -        | 141.12    | 2/19/2019 | PINE ROCK | ANNUAL PINE ROCK INSTALLMENT         | RC210                                    |               |               |
| 07380-1000 | MISCELLANEOUS REVENUE           | 1902 | RE  | -        | 1.00      | 2/19/2019 | 66923 1   | SALE OF GENERATOR TO BEALE TWP       | MISCELLANEOUS REVENUE                    |               |               |
| 07392-0500 | BEGINNING BALANCE               | 1901 | JE  | -        | 57,399.61 | 1/15/2019 | XFER      | XFER FR: SEWER TO MA 1/15/19         |  |               | 7100.1035     |
| 07392-0500 | TRANSFER FROM SEWER OPERATING   | 1902 | JE  | -        | 34,587.60 | 2/15/2019 | XFER      | XFER FROM SEWER 05 TO MA 07          |  |               |               |
| 07392-0500 | TRANSFER FROM SEWER OPERATING   | 1903 | JE  | -        | 12,508.88 | 3/14/2019 | XFER      | XFER \$ FROM 05 TO MA 07 TO          | COVER EXPENSES                           |               |               |
| 07392-0500 | TRANSFER FROM SEWER OPERATING   | 1904 | JE  | -        | 38,312.19 | 4/10/2019 | XFER      | XFER TO 07 FROM 05 4/10/19           |  |               |               |
| 07392-0500 | TRANSFER FROM SEWER OPERATING   | 1905 | JE  | -        | 8,789.27  | 5/16/2019 | XFER      | XFER \$ FROM 05100.1030 TO MA        |  |               |               |
| 07392-0900 | BEGINNING BALANCE               | 1901 | JE  | -        | 12,132.22 | 1/15/2019 | XFER      | XFER FROM SEWER SINKING TO MA        |  |               | 1/15/2019     |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 1902 | JE  | -        | 2,161.00  | 2/15/2019 | XFER      | XFER FROM SEWER CAPITAL 09 TO        | MA 07                                    |               |               |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 1903 | JE  | -        | 1,729.75  | 3/14/2019 | XFER      | XFER \$ FROM SEWER SINKING TO        | MA 07 TO COVER EXPENSES                  |               |               |
| 07392-0900 | TRANSFER FROM SEWER CAP RESERVE | 1905 | JE  | -        | 37.75     | 5/16/2019 | XFER      | XFER \$ TO MA 7100.1035 FROM         |  |               | 9100.1035     |
| 07424-1400 | BEGINNING BALANCE               | 1903 | CD  | 7,587.59 | -         | 3/25/2019 |           | 3154 EAST GOSHEN TOWNSHIP - GENERAL  | QTR.1-2019 REIMBURSEME                   |               |               |
| 07424-3000 | BEGINNING BALANCE               | 1901 | CD  | 8.00     | -         | 1/15/2019 |           | 3147 PMAA                            | PA MUNICIPAL AUTH. - PROI - BRIGHT FUTUR |               |               |
| 07424-3000 | MISCELLANEOUS EXPENSE           | 1902 | CD  | 8.00     | -         | 2/14/2019 |           | 3148 YAHRAES, JOHN E.                | REIMBURSEMENT - PROUD PUBLICATION        |               |               |
| 07424-3000 | MISCELLANEOUS EXPENSE           | 1902 | CD  | (8.00)   | -         | 2/14/2019 |           | 3148 YAHRAES, JOHN E.                | VOID CK. 3148                            |               |               |
| 07424-3000 | MISCELLANEOUS EXPENSE           | 1905 | CD  | 626.00   | -         | 5/16/2019 |           | 3161 DELAWARE RIVER BASIN COMMISSION | ANNUAL FEE D-2000-030 CF WATER DISCHAI   |               |               |
| 07424-3110 | BEGINNING BALANCE               | 1903 | CD  | 7,007.00 | -         | 3/25/2019 |           | 3155 MAILLIE FALCONIERO & CO.        | 2018 FINANCIAL STMT. - MI.AUTORITY       |               |               |
| 07424-3110 | MUNIC.AUTH.-AUDITING            | 1905 | CD  | 2,643.00 | -         | 5/20/2019 |           | 3163 MAILLIE FALCONIERO & CO.        | EXAM. MUNIC.AUTH. 2018 STATEMENTS        |               |               |
| 07424-3130 | BEGINNING BALANCE               | 1901 | CD  | 4,864.00 | -         | 1/15/2019 |           | 3146 PENNONI ASSOCIATES INC.         | SERV. THRU 12/30/18 2018                 |               |               |
| 07424-3130 | ENGINEERING SERVICES            | 1902 | CD  | 5,170.00 | -         | 2/15/2019 |           | 3150 PENNONI ASSOCIATES INC.         | SERVICE THRU 1/27/19 CHA                 |               |               |
| 07424-3130 | ENGINEERING SERVICES            | 1903 | CD  | 6,085.00 | -         | 3/14/2019 |           | 3153 PENNONI ASSOCIATES INC.         | SERVICE THRU 2/24/19 201                 |               |               |
| 07424-3130 | ENGINEERING SERVICES            | 1904 | CD  | 2,875.25 | -         | 4/10/2019 |           | 3157 PENNONI ASSOCIATES INC.         | SERVICES THRU 3/17/19 20:                |               |               |
| 07424-3130 | ENGINEERING SERVICES            | 1905 | CD  | 5,596.00 | -         | 5/15/2019 |           | 3160 PENNONI ASSOCIATES INC.         | SERVICES THRU 4/14/19 20:                |               |               |
| 07424-3140 | BEGINNING BALANCE               | 1901 | CD  | 440.00   | -         | 1/15/2019 |           | 3143 GAWTHROP GREENWOOD & HALSTED    | LEGAL SERV. 12/7-12/28/18                |               |               |
| 07424-3140 | LEGAL SERVICES                  | 1902 | CD  | 620.00   | -         | 2/15/2019 |           | 3149 GAWTHROP GREENWOOD & HALSTED    | LEGAL SERVICE 1/2-1/14/19                |               |               |

|            |                                 |         |           |   |           |                                   |   |
|------------|---------------------------------|---------|-----------|---|-----------|-----------------------------------|---|
| 07424-3140 | LEGAL SERVICES                  | 1903 CD | 260.00    | - | 3/14/2019 | 3152 GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICES - FEB.2019   |
| 07424-3140 | LEGAL SERVICES                  | 1904 CD | 260.00    | - | 4/18/2019 | 3158 GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE MARCH 201   |
| 07424-3140 | LEGAL SERVICES                  | 1905 CD | 400.00    | - | 5/15/2019 | 3159 GAWTHROP GREENWOOD & HALSTED | LEGAL SERVICE - 4/2019 GEI  |
| 07424-7440 | BEGINNING BALANCE               | 1901 CD | 11,850.72 | - | 1/15/2019 | 3145 JWC ENVIRONMENTAL            | SCREEN REPLACEMENT  |
| 07424-7440 | R.C. CAPITAL-STP                | 1905 CD | 1,972.50  | - | 5/20/2019 | 3162 HORN PLUMBING & HEATING INC  | 50% DEPOSIT - MINI SPLIT H  |
| 07426-1000 | BEGINNING BALANCE               | 1901 CD | 301.50    | - | 1/15/2019 | 3146 PENNONI ASSOCIATES INC.      | SERV. THRU 12/30/18 HERS GENERATOR REI                              |
| 07426-1000 | HERSHEY MILL STATION - ENGINEER | 1902 CD | 2,161.00  | - | 2/15/2019 | 3150 PENNONI ASSOCIATES INC.      | SERVICE THRU: 1/27/19 H.N   |
| 07426-1000 | HERSHEY MILL STATION - ENGINEER | 1903 CD | 1,729.75  | - | 3/14/2019 | 3153 PENNONI ASSOCIATES INC.      | SERVICE THRU 2/24/19 HM   |
| 07426-1000 | HERSHEY MILL STATION - ENGINEER | 1905 CD | 31.75     | - | 5/15/2019 | 3160 PENNONI ASSOCIATES INC.      | SERVICES THRU 4/14/19 HW  |
| 07426-3000 | BEGINNING BALANCE               | 1901 CD | 42,431.40 | - | 1/15/2019 | 3144 IRON EAGLE EXCAVATING INC.   | EXCAVATING - TALLMADGE REPLACEMENT                                  |
| 07426-3000 | TALLMADGE DRIVE                 | 1901 CD | 9,082.00  | - | 1/15/2019 | 3146 PENNONI ASSOCIATES INC.      | SERV.THRU 12/30/18 TALLA  |
| 07426-3000 | TALLMADGE DRIVE                 | 1902 CD | 4,678.25  | - | 2/15/2019 | 3150 PENNONI ASSOCIATES INC.      | SERVICE THRU 1/27/19 TALI   |
| 07426-3000 | TALLMADGE DRIVE                 | 1902 CD | 21,326.40 | - | 2/15/2019 | 3151 IRON EAGLE EXCAVATING INC.   | SANITARY SEWER BYPASS PI CONTROL, FURN SEWER LATERAL & GRAVITY PIPE |
| 07426-3000 | TALLMADGE DRIVE                 | 1903 CD | 2,949.25  | - | 3/14/2019 | 3153 PENNONI ASSOCIATES INC.      | SERVICE THRU 2/24/19 TAL  |
| 07426-3000 | TALLMADGE DRIVE                 | 1904 CD | 20,403.70 | - | 4/10/2019 | 3156 IRON EAGLE EXCAVATING INC.   | EXCAVATING - TALLMADGE REPLACEMENT                                  |
| 07426-3000 | TALLMADGE DRIVE                 | 1904 CD | 141.25    | - | 4/10/2019 | 3157 PENNONI ASSOCIATES INC.      | SERVICES THRU 3/17/19 TALSEWER                                      |
| 07426-3000 | TALLMADGE DRIVE                 | 1905 CD | 1,647.75  | - | 5/15/2019 | 3160 PENNONI ASSOCIATES INC.      | SERVICES THRU 4/14/19 TAI   |
| 07429-1501 | BEGINNING BALANCE               | 1901 CD | 582.21    | - | 1/15/2019 | 3146 PENNONI ASSOCIATES INC.      | SERVICE THRU 12/30/18 BA  |
| 07429-1501 | BARKWAY PUMP STATION CAPITAL    | 1902 CD | 2,793.45  | - | 2/15/2019 | 3150 PENNONI ASSOCIATES INC.      | SERVICE THRU 1/27/19 BAR  |
| 07429-1501 | BARKWAY PUMP STATION CAPITAL    | 1903 CD | 2,386.13  | - | 3/14/2019 | 3153 PENNONI ASSOCIATES INC.      | SERVICE THRU 2/24/19 BAF  |
| 07429-1501 | BARKWAY PUMP STATION CAPITAL    | 1904 CD | 297.40    | - | 4/10/2019 | 3157 PENNONI ASSOCIATES INC.      | SERVICES THRU 3/17/19 BA MUFFIN MONST                               |
| 07429-1501 | BARKWAY PUMP STATION CAPITAL    | 1905 CD | 519.52    | - | 5/15/2019 | 3160 PENNONI ASSOCIATES INC.      | SERVICES THRU 4/14/19 BA  |

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

FYI

May 31, 2019

Dear Property Owner:

The purpose of this letter is to inform you that the equitable owner of 1531 Paoli Pike, West Chester, PA 19380, The Hankin Group, has submitted a sketch plan for review and comment by the Township Planning Commission. The property consists of two lots with a combined lot area of approximately 8.1 acres and is located in the Business Park (BP) zoning district.

The Hankin Group (equitable owner) is seeking feedback from the Township Planning Commission on developing the property as a Planned Apartment Development. The BP district is not currently zoned for a Planned Apartment Development use. The applicant will require a zoning change to accommodate their proposed plan.

The sketch plan is being reviewed in order to discuss the proposed use and provide feedback to the Hankin Group. **NO ACTION WILL BE TAKEN ON THIS SKETCH PLAN AT THIS MEETING.**

Pursuant to Township policy, property owners and residents within 1000 feet of the subject property are notified of sketch plan submissions. This sketch plan is being accepted and reviewed by the Planning Commission without the benefit of Township consultant reviews.

**The meeting date and time scheduled for the review and discussion of this sketch plan is outlined below and subject to change without further written communication.**

**June 5, 2019** - Planning Commission meeting (workshop at 7:00 pm, formal meeting @ 7:30 pm) **(Presentation of Sketch Plan)**

All meetings are held at the Township Building and are open to the public. The plans are available for review at the Township building during normal business hours. Please give me a call at or email me at [mgordon@eastgoshen.org](mailto:mgordon@eastgoshen.org) if you have any questions or need additional information.

Sincerely,

*Mark A. Gordon*

Mark A. Gordon  
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions