

**EAST GOSHEN MUNICIPAL AUTHORITY**

**May 13, 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. April 8, 2019

4. APPROVAL OF INVOICES

Pennoni Invoice #855973	\$ 519.52
Pennoni Invoice #855974	\$ 1,647.75
Pennoni Invoice #855975	\$ 31.75
Pennoni Invoice #855976	\$ 2,496.25
Pennoni Invoice #855977	\$ 1,592.25
Pennoni Invoice #855978	\$ 1,507.50
Gawthrop Invoice #207417	\$ 400.00
Delaware River Basin Comm. Invoice#7224	\$ 626.00

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. April 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. Penn Dot Agreement for Incorporated Work – Signature Required

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

May 10, 2019

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

**Monthly Flows:** We have not received the West Goshen flows for April.

**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 Bowtree, 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.

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

**R.C. Plant:** The was run on a daily basis by Big Fish, personal labs were drawn and routine maintenance was performed. I received an e-mail from Ms. Hill who resides behind the plant reporting an odor from plant. I rode down to the plant at 9:30 pm and detected an odor as well. I thought it may have been caused by sludge tank #1 since we were draining it to change a valve. The next morning, I met the operator at the plant, he also detected an odor however, he was confident that it was coming from SBR #2 since it was full of rain water and leaves. The operator dumped soda

ash in the tank and added air to the tank, by the afternoon the odor was gone. We brought McGovern Inc. in to vacuum out the remaining sludge in tank #1 so we could change out the valve. The valve was changed out by Public Works and placed back on line. I contacted the operator and advised him we completed the valve replacement and he should plan on draining tank #2. Once tank #2 is empty we will excavate the valve and replace it. I contacted Ms. Hill via e-mail and explained that we had found the source of the odor and if she had any concerns to please contact me.

The Public Works Department has milled and paved Tallmadge Drive. The work has been completed.

**Alarms:** We responded to 17 alarms for April.

**PA One Calls:** We received 74 PA One Calls for the month of April.

**Monthly Rainfall:** 3.45 inches for April.



Cracked Tee







Bow tree Dr  
broken Tr.



**EAST GOSHEN MUNICIPAL AUTHORITY**  
**ENGINEER'S REPORT**  
May 10, 2019

**Invoices**

- Invoices with summaries are provided under separate cover.

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

- *No activity since last report.*

**Barkway Pump Station Grinder**

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

**Tallmadge Drive Sewer Main Replacement**

- The 2-year maintenance bond period is until March 21, 2021. We notified the contractor accordingly in writing.

**I&I Support and Reporting**

- We continued to analyze meter data on a weekly basis for the three portable meters in Bow Tree and provide weekly updates to the PW Director. Data has now been analyzed from February 8 to April 23. As previously reported, there were very low overnight base flows at two of the metering locations (Double Pond and Eldridge Drive), indicating little to no continuous infiltration. There was  $\pm 10$  gpm of continuous base flow at the Achcom Way meter, and that location also experienced a significant increase in flow on February 21, after a 1.84" rain event.
- Pipe Data View televised the sewers upstream of Achcom Way the week of April 8 and located a significant break in the sewer line, which was subsequently repaired. The average flow at Achcom was approximately 11,500 gpd over the following five days, which is an approximate 38,000-gpd reduction. Additionally, there no longer appears to be any baseflow upstream of the meter location. This significant reduction is considered to be primarily due to the repair but also coupled with reduced precipitation.

**New Connections**

- *No activity since last report.*
- We recommend the Sewer Ordinance be amended to incorporate a few Township policies (i.e. minimum 6" laterals for non-residential uses, grinder pumps conveying into gravity laterals at the ROW line, prohibiting internal manhole drop connections) that have been the source of comments in multiple recent plan submissions.

**Hershey's Mill Pump Station**

- We provided generator information and photos to the Public Works Director (for coordination with the HOA) and are evaluating the fuel tank sizing and site location alternatives.



## Executive Summary

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

**Table 1**

<b>March 2019- Final Effluent - Outfall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
March 5, 2019	0.533	2.0	8.9	1	4.4	0.100	0.44	0.19	0.84	1	0.0000
March 7, 2019	0.524			1	4.4						
March 12, 2019	0.514	2.0	8.6	1	4.3	0.100	0.43	0.17	0.73	1	0.0000
March 14, 2019	0.445			1	3.7						
March 19, 2019	0.450	3.4	12.8	1	3.8	0.100	0.38	0.18	0.68	1	0.0000
March 21, 2019	0.599			2	10.0						
March 26, 2019	0.494	2.0	8.2	2	8.2	0.211	0.87	0.20	0.82	1	0.0000
March 29, 2019	0.443			2	7.4						
Average	0.500	2.4	9.6	1	5.8	0.128	0.53	0.19	0.77	1	0.0000
Minimum	0.443	2.0	8.2	1	3.7	0.100	0.38	0.17	0.68	1	0.0000
Maximum	0.599	3.4	12.8	2	10.0	0.211	0.87	0.20	0.84	1	0.0000





**RCSTP Monthly Operations  
Report:  
May 2019**

The treatment process performed well during March 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 BOD<sub>5</sub> 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 March 2019.

**Table 2**

<b>March 2019 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
March 5, 2019	0.623	116	603	120	623	17.6	91	22.7	118	2.9	15.1
March 12, 2019	0.622	199	1,034	120	623	13.3	69	22.4	116	2.3	12.0
March 19, 2019	0.579	88.8	461	138	717	18.7	90	26.8	129	4.2	21.8
March 26, 2019	0.629	108	561	167	868	17.0	89	27.0	142	3.1	16.1
Average	0.613	128	665	136	708	16.7	85	24.7	126	3.1	16.2
Minimum	0.579	89	461	120	623	13.3	69	22.4	116	2.3	12.0
Maximum	0.629	199	1,034	167	868	18.7	91	27.0	142	4.2	21.8



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

**Table 3**

<b>April 2019- Final Effluent - Outfall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	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	3.10	9.82	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		0.00	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							0.2	0.53		
Average	0.368	2.4	7.6	5	14.4	0.165	0.55	0.93	2.33	1	0.0000
Minimum	0.300	2.0	6.5	1	3.2	0.100	0.27	0.19	0.00	1	0.0000
Maximum	0.436	3.0	9.5	14	37.7	0.358	1.30	3.10	9.82	1	0.0000

During April, the final effluent outfall 001 monthly average flow to Ridley Creek was measured and recorded as 0.368 MGD. This represents approximately 49.1% of the facility's average daily design hydraulic loading of 0.750 MGD. This is decrease as compared to the monthly average for March. During April, there were two (2) days the influent flow measured at the manhole in the field prior to the Screening building exceeded a daily flow of 0.75 MGD. The days were:

March 3<sup>rd</sup> 798,470 gallons  
March 10<sup>th</sup> 801,060 gallons

The corresponding final effluent flows remained less than the 0.750 MGD average daily hydraulic design loading of 0.750 MGD. The final effluent flows were:





**RCSTP Monthly Operations  
Report:  
May 2019**

March 3<sup>rd</sup> 566,000 gallons  
March 10<sup>th</sup> 640,000 gallons

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 April 2019

**Table 4**

April 2019 - Influent Wastewater											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
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										
Average	0.510	107	487	93	426	18.5	81	35.4	156	4.1	18.0
Minimum	0.453	84	383	44	201	16.6	74	25.0	108	3.6	15.6
Maximum	0.548	138	630	204	931	20.7	95	52.2	238	5.1	21.0

The foam on the SBR surface was observed to decrease slightly to approximately 90% 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.



**RCSTP Monthly Operations  
Report:  
May 2019**

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 are in service during February and March. 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.

**Significant Rainfall**

During April, there were eight (8) days when rainfall occurred. Two (2) storm events resulting in a daily precipitation amount equal to or greater than 0.50 inches measured during a 24-hour period. A total of 3.24 inches of rainfall measured during the month. These events occurred on:

April 19 <sup>th</sup>	1.02 inches
April 26 <sup>th</sup>	0.70 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:**

April 2019	
Gallons of sludge dewatered	264,252
Number of dumpsters	4

*\*Nineteen (19) days of centrifuge operation*

An increase of gallons of 4,659 gallons of sludge was dewatered during April as compared to March.





**RCSTP Monthly Operations  
Report:  
May 2019**

**Chemical Usage:**

April 2019		
Chemical	Daily Average	Total Monthly
Soda Ash	9,450	315
Aluminum Sulfate solution	1,609	53.6
Polymer (centrifuge)	0.85	14.45

*\*Seventeen (17) days of centrifuge of operation*

**Flow data:**

April 2019			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	NA	NA	NA
Influent Wastewater to SBRs	15.758	519,297	631,168
Internal Recycle	NA	NA	NA
Treated Effluent to Disc Filters	15.352	511,744	596,992
Final Effluent Discharge	11.356	378,532	438,000
Applebrook Golf Course	0	0	0

*\*The fie*

**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



### **Recommended Minor Maintenance Repairs**

#### **Influent Flow Meter located in the “field”**

The meter recorder was removed for service on March 29, 2019.

#### **Gate Valve on Centrifuge Sludge Feed Line**

The gate valve on the centrifuge sludge feed line has been replaced on SHT

### **Unscheduled Maintenance Activities**

On April 3<sup>rd</sup>

The Township removed the utility pump that was bad

Mark ordered the materials to remove filter on the wall by the bug zapper.

Mark approved the work order for the broken meter. He is looking into the bladder on the recycle water tank.

April 10<sup>th</sup>

The toilet and sink drains in the lab are clogged. We have plunged for several hours now, and have not been able to get the drain unclogged. The township staff Unclogged the drain.



**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**April 8, 2019**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, April 8, 2019 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Kevin Cummings, Jack Yahraes, Phil Mayer, Dana Pizarro and Walter Wujcik. Also in attendance were: Jon Altshul (Asst. Township Manager), Mark Miller (Director of Public Works), Michael Ellis (Pennoni), and Patrick McKenna (Attorney),

**COMMON ACRONYMS:**

<i>BFES – Big Fish Environmental Services</i>	<i>MA- Municipal Authority</i>
<i>BOS – Board of Supervisors</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>CB – Conservancy Board</i>	<i>PC – Planning Commission</i>
<i>DEP – Department of Environmental Protection</i>	<i>PM – Prevention Maintenance</i>
<i>EPA – Environmental protection Agency</i>	<i>PR – Park &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. Phil attended the West Goshen meeting. Their flow was near the limit at 6.4 M gallons/day. They want to revamp the pumping stations and do more training. They formed a committee to plan future capital projects. The West Chester Borough sewer plant is for sale.

**New Business**

1. John and Rose Mary Hill, 1745 Towne Drive were present at the meeting. Their property in Clocktower backs up to the berm along the Ridley Creek Plant property. Some of the screening trees have died. Mark Miller looked at the trees and found some others that need to be replaced. He feels about 25 trees will be needed. Walter does not recommend white pines because they don't last as long as other types of pines. Mark explained that there is a sewer easement along the berm so they will plant the trees above that. Mark has the original sight lines from the houses to the plant, which he will look at. Since other properties will be involved he will send a letter to the homeowners.

**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: All meters were read on a daily basis. The three portable meters in Bow Tree are being read on a daily basis. The meter that is monitoring the flows in the first phase of Bow Tree is reading high. We have started cleaning and televising on April 8<sup>th</sup>. The meters were

1 calibrated on March 28<sup>th</sup>. The channels were cleaned and routine adjustments were  
2 performed.

3 C.C. Collection: The pump stations have been visited on a daily basis with no problems to  
4 report. The wet wells are scheduled for cleaning next week. A tree came down at the  
5 Ashbridge Pump Station, which took out the privacy fence. The tree was removed and the  
6 fence will be replaced.

7 On March 21<sup>st</sup> we received a call from a resident who was walking his dog in the sewer right  
8 of way between Barker Drive and Reservoir Road and noticed sewage coming out of a  
9 manhole. We walked the right of way and found the blockage. Due to the location and  
10 distance off the road, we had to utilize Pipe Data View to clear the blockage. Once the  
11 blockage was clear we spread lime over the area 25' x 50'. I contacted the DEP as required  
12 and spoke to inspector Wolfinger and explained what had happened. What we did to rectify  
13 the problem was ok with him. I filed a field report.

14 We continued INI work on Christine Lane and eliminated a significant inflow at a manhole  
15 that had been a problem for several months. We completed all the INI repairs that we had  
16 located when we televised and we have seen a reduction at the Ashbridge Pump Station. The  
17 two new pumps that were ordered for Ashbridge arrived last week.

18 R.C. Collection: The conduit work at Hershey Mill Pump Station was completed and Lenni  
19 Electric separated the wiring for each pump and the float wires. We continued INI work on  
20 the system and completed the problems that we found when we were televising. We will be  
21 televising the Bow Tree area next week.

22 Ridley Creek Plant: They cleaned the grit chamber last week. The operator reported that the  
23 number one recycling water pump was tripping out under load so we pulled the pump last  
24 Tuesday and took it down to Deckmen's for repairs. The operator also had a problem with an  
25 O ring blowing out on the recycling screen filter. We ordered fittings to repair the problem.  
26 The plant has been operating very well with the high flows and the flows are starting to drop.  
27 The field meter was acting up so we had Allied Control look at the meter and determined that  
28 the totalizer was not recording, so the controller was pulled for repair.

29 Alarms: We responded to 27 alarms for March.

30 Rainfall: March rainfall total was 4.60 inches.

31 Other: The fountain at Hershey Mill is maintained by the Township. Hershey Mill takes care  
32 of the landscaping. The fountain needs repair. Mark will send a letter to Ed McFalls.

33 Talmadge Dr. is scheduled to mill and pave the end of April.  
34

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

36 Tallmadge Drive Sewer Main Replacement – Mike explained the final televising was done by Pipe  
37 Data View and vacuum testing passed. The contractor, Iron Eagle, replaced and reset damaged and  
38 shifted manhole frames and cleaned up the site. They will have the curbing repaired by a separate  
39 contractor at Iron Eagle's expense. All of the closeout documents were reviewed including Change  
40 Order #1 and Pay Application #3. The Township has a 2 year warranty and 2 year maintenance bond  
41 from Iron Eagle.

42 Barkway Pump Station – The design plans were finalized. The Muffin Monster vendor provided a  
43 quote for materials. Delivery is expected in early August. Public Works will do the installation.

44 INI Report – The three portable meters in Bow Tree are providing good data. Achom Way has a  
45 continuous base flow, which increased significantly after a 1.84" rain event. These meters will be  
46 moved to other locations in the township. They coordinated with pipe inspection contractors for



inspection of the Chester Creek Interceptor. The cost for laser and sonar inspection of approx. 7,000 LF of the 24" diameter portion of the interceptor was approx. \$49,000. Pipe Data View (PDV) can perform the TV inspection for approx. \$12,000. Including PW Department's time, this is projected to be less costly than the laser and sonar inspection.

Chapter 94 reports: They submitted Chapter 94 reports to the DEP. The RCSTP's average daily influent flow was 539,000 gpd in 2018, which is a significant increase from the preceding 4 years but remains well within the 750,000 gpd permitted average capacity of the plant. The increased flow is considered to be the result of extreme precipitation in 2018. The 5-year projected average flow to the RCSTP is 437,000 gpd.

A grinder pump has been recommended for 204 Line Rd. to tie into Thorncroft.

Jon feels that the cost of a sewer inspection needs to be reviewed.

**3. Big Fish Environmental Services** – Kevin had no concerns about Scott's report which showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of March 2019.

### **Approval of Minutes**

The minutes of the March 11, 2019 meeting were approved as amended.

### **Approval of Invoices**

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

Pennoni invoice #852270	\$ 297.40
Pennoni invoice #852271	\$ 141.25
Pennoni invoice #852272	\$ 560.75
Pennoni invoice #852273	\$ 910.75
Pennoni invoice #852274	\$ 1,403.75

Walter seconded the motion. The motion passed unanimously.

2. Jack moved to approve payment of the Gawthrop invoice #205694 for \$260.00, which was paid on 3/12/19. Phil seconded the motion. The motion passed unanimously.

3. Dana moved to approve payment of Payment App #3 for Tallmadge Dr. in the amount of \$20,403.70, which includes a deduction of \$300.00 as per Change Order #1. Walter seconded the motion. The motion passed unanimously.

4. Phil moved to approve Change Order #1 which deducts \$300.00 from the total contract price for Tallmadge Dr. Walter seconded the motion. The motion passed unanimously.

5. Jon presented two additional invoices.

a. Jack moved to approve payment of the Maillie invoice #1000085693 in the amount of \$7,007.00 for the 2018 audit. Phil seconded the motion. The motion passed unanimously.

b. Phil moved to approve payment of administrative costs for the 1<sup>st</sup> quarter of 2019 in the amount of \$7,587.59. Dana seconded the motion. The motion passed unanimously.

### **Liaison Reports**

Conservancy Board – Walter reminded everyone about Keep East Goshen Beautiful Day this Saturday April 13. Areas to cleanup were discussed. Mark mentioned that some groups have already done some areas. Blosenski does some regular street cleanup for the Township especially along Rte. 352.

1 Futurist Committee - Rogers Vaughn, Vice President of the Futurist Committee, introduced himself  
2 and gave a summary of his background, including military service in Germany, work for Dupont for  
3 38 years, on the WCASD school board, and moved to Hersheys Mill in 2006. The Futurist  
4 Committee was formed to think out 5 – 10 years and look at current trends. They are seeing  
5 movement out to western Chester County. What gives East Goshen an edge over other townships?  
6 The park, the planned trail, a good school district, and make a town center on Paoli Pike where the  
7 shopping strip is now. The purpose of the committee members visiting the other township ABC's is  
8 to let you know that a plan is being looked at to enhance the town center and make it a destination  
9 point.

### 11 **Financial Reports**

12 Jon Altshul provided the following written report:

13 In March, the Municipal Authority recorded \$14,239 in revenues (from inter-fund transfers) and  
14 \$27,975 in expenses (including engineering and legal, as well as \$7,588 for administrative overhead  
15 and \$7,007 for audit services), for a negative variance of \$13,735. As of March 31<sup>st</sup>, the fund balance  
16 was \$13,421.

17 Jon mentioned that the BOS will be reviewing the sewer rates. Residential consumption went down  
18 but commercial went up. The variable rate is falling because of all the capital projects the MA is  
19 doing to maintain the system. Dana asked about Storm Water Management. Jon answered that there  
20 are no SWM expenses yet. Some time in the future the Township may have to develop and ordinance  
21 and set up a committee to oversee it.

### 23 **Goals**

24 The following changes should be made to the MA Goals for 2019:

25 Goal b – After the date (3-8-2018) deleted “completed” and add “report submitted”  
26 add d. Continue to run the plant to DEP permit requirements.

### 28 **New Business**

29 1. Barkway Muffin Monster – Jack made a motion to approve purchase of a Muffin Monster for the  
30 Barkway Pump Station as per quote from JWC Environmental for equipment of \$52,724.00 plus time  
31 and materials for PW Department installation of \$15,000.00 for a total not to exceed \$67,724.00.  
32 Dana seconded the motion. The motion passed unanimously.

### 34 **Any Other Matter**

35 1. Walter will go to the next West Goshen meeting.

### 37 **Adjournment**

38 There being no further business, Jack moved to adjourn the meeting. Walter seconded the motion.  
39 The meeting was adjourned at 8:30 p.m. The next regular meeting will be held on Monday, May 13,  
40 2019 at 7:00 pm.

42 Respectfully submitted,

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 # : 855973  
Invoice Date : 04/25/2019  
Project : EGMAU17006  
Project Name : Barkway PS Muffin Monster

For Services Rendered through: 4/14/2019

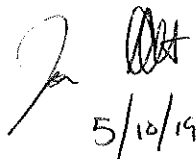
## FINAL INVOICE

Finalized and submitted construction plans.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
**** -- Professional Services	\$16,000.00	\$15,480.48	100.00%	\$16,000.00	\$519.52
Total :	\$16,000.00	\$15,480.48		\$16,000.00	\$519.52

Amount Due This Invoice

\$519.52

  
5/16/19

East Goshen Municipal Authority  
EGMAU17006 Invoice Summary  
Invoice Date 4/25/2019

**Project:** EGMAU17006  
**Pennoni Job No.:** Barkway PS Muffin Monster  
**Invoice No:** 855973  
**Invoice Period:** 3/18/2019 to 4/14/2019  
**Initial Authorization:** \$ 9,000.00 **Date:** 4/25/2019  
**Contract Amount:** \$ 16,000.00  
**Previously Invoiced:** \$ 15,480.48  
**Current Invoice:** \$ 519.52  
**Invoiced to Date (\$):** \$ 16,000.00  
**Invoiced to Date (%):** 100%  
**Remaining Budget (\$):** \$ -  
**Remaining Budget (%):** 0%

**Budget by Phase:**

**Phase Name:** Barkway PS Muffin Monster  
**Phase Budget:** \$ 16,000.00  
**Previously Invoiced:** \$ 15,480.48  
**Current Invoice:** \$ 519.52  
**Invoiced to Date (\$):** \$ 16,000.00  
**Invoiced to Date (%):** 100%  
**Remaining Budget (\$):** \$ -  
**Remaining Budget (%):** 0%

**Comments:** FINAL INVOICE

Finalized and submitted construction plans.





# 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 # : 855974  
Invoice Date : 04/25/2019  
Project : EGMAU18004  
Project Name : Tallmadge Dr Sewer Constr Phase

---

For Services Rendered through: 4/14/2019

---

## FINAL INVOICE

Phase \*\*\*\* - Processed pay application #3 (final) and Change Order #1, reviewed contract closeout documents, and provided payment recommendation letter and supporting documents

Phase 01 - Coordination with the contractor and Township for pipe re-televising schedule, bypass pumping procedure, and concrete curb replacement; construction observation during final pipe re-televising, sewer manhole vacuum testing, repairs to damaged manholes frames and lids, and site cleanup and restoration; and review of pipe videos.

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

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

Labor :	823.75
Expense :	0.00
Phase Total :	823.75

### Phase : 01 -- Deficiency Assistance

#### Total Phase : 01 -- Deficiency Assistance

Labor :	824.00
Expense :	0.00
Phase Total :	824.00

### Amount Due This Invoice

---

\$1,647.75

Fee :	9,000.00
Prior Billings :	20,117.50
Current Billings :	1,647.75
Total Billings :	21,765.25

*Jon [Signature]*  
5/10/19

Continued on next page...

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

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...Continued from previous page

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.75	127.00	95.25
Associate Professional	7.75	94.00	728.50
<b>Labor Total:</b>	<b>8.50</b>		<b>823.75</b>

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

Labor : \$823.75

Expense : \$0.00

## Phase : 01 -- Deficiency Assistance

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.50	127.00	63.50
Associate Professional	0.75	94.00	70.50
Sr. Engineering Technician	7.50	92.00	690.00
<b>Labor Total:</b>	<b>8.75</b>		<b>824.00</b>

## Total Phase : 01 -- Deficiency Assistance

Labor : \$824.00

Expense : \$0.00

## Total Project : EGMAU18004 -- Tallmadge Dr Sewer Constr Phase

Labor : \$1,647.75

Expense : \$0.00

East Goshen Municipal Authority  
EGMAU18004 Invoice Summary  
Invoice Date 4/25/2019

**Project:** EGMAU18004  
**Pennoni Job No.:** Tallmadge Drive Sewer Construction Phase  
**Invoice No:** 855974  
**Invoice Period:** 3/18/2019 to 4/14/2019  
**Initial Authorization:** \$ 9,000.00 **Date:** 4/25/2019  
**Contract Amount:** \$ 9,000.00  
**Previously Invoiced:** \$ 20,117.50  
**Current Invoice:** \$ 1,647.25  
**Invoiced to Date (\$):** \$ 21,764.75  
**Invoiced to Date (%):** 242%  
**Remaining Budget (\$):** \$ (12,764.75)  
**Remaining Budget (%):** -142%

**Budget by Phase:**

**Phase Name:** Tallmadge Drive Sewer Construction Phase  
**Phase Budget:** \$ 9,000.00  
**Previously Invoiced:** \$ 12,992.00  
**Current Invoice:** \$ 823.75  
**Invoiced to Date (\$):** \$ 13,815.75  
**Invoiced to Date (%):** 154%  
**Remaining Budget (\$):** \$ (4,815.75)  
**Remaining Budget (%):** -54%

**Phase Name:** Deficiency Assistance  
**Phase Budget:** \$ -  
**Previously Invoiced:** \$ 6,984.25  
**Current Invoice:** \$ 824.00  
**Invoiced to Date (\$):** \$ 7,808.25  
**Invoiced to Date (%):** 0%  
**Remaining Budget (\$):** \$ (7,808.25)  
**Remaining Budget (%):** 0%

**Comments:** FINAL INVOICE

Phase \*\*\*\* - Processed pay application #3 (final) and Change Order #1, reviewed contract closeout documents, and provided payment recommendation letter and supporting documents

Phase 01 - Coordination with the contractor and Township for pipe re-televising schedule, bypass pumping procedure, and concrete curb replacement; construction observation during final pipe re-televising, sewer manhole vacuum testing, repairs to damaged manholes frames and lids, and site cleanup and restoration; and review of pipe videos.





# 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 # : 855975  
Invoice Date : 04/25/2019  
Project : EGMAU18005  
Project Name : Hershey's Mill Generator Replace

For Services Rendered through: 4/14/2019

Assembled photos of the anticipated generator for the Township to present to the Hershey's Mill HOA.

Phase : 01 -- Concept Design

Total Phase : 01 -- Concept Design

Labor : 31.75  
Expense : 0.00  
Phase Total : 31.75

Amount Due This Invoice

\$31.75

Fee : 5,000.00  
Prior Billings : 4,192.25  
Current Billings : 31.75  
Total Billings : 4,224.00

Phase : 01 -- Concept Design

Labor


Class	Hours/ Units	Rate	Amount
Authority Engineer	0.25	127.00	31.75
Labor Total:	0.25		31.75

Total Phase : 01 -- Concept Design

Labor : 31.75  
Expense : 0.00

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

Labor : 31.75  
Expense : 0.00

 5/10/15

East Goshen Municipal Authority  
EGMAU18005 Invoice Summary  
Invoice Date 4/25/2019

**Project:** EGMAU18005  
**Pennoni Job No.:** Hershey's Mill Generator Replacement  
**Invoice No:** 855975  
**Invoice Period:** 3/9/2019 to 4/14/2019  
**Initial Authorization:** \$ 5,000.00 **Date:** 4/25/2019  
**Contract Amount:** \$ 5,000.00  
**Previously Invoiced:** \$ 4,192.25  
**Current Invoice:** \$ 31.75  
**Invoiced to Date (\$):** \$ 4,224.00  
**Invoiced to Date (%):** 84%  
**Remaining Budget (\$):** \$ 776.00  
**Remaining Budget (%):** 16%

**Budget by Phase:**

**Phase Name:** Hershey's Mill Generator Replacement  
**Phase Budget:** \$ 5,000.00  
**Previously Invoiced:** \$ 4,192.25  
**Current Invoice:** \$ 31.75  
**Invoiced to Date (\$):** \$ 4,224.00  
**Invoiced to Date (%):** 84%  
**Remaining Budget (\$):** \$ 776.00  
**Remaining Budget (%):** 16%

**Comments:** Assembled photos of the anticipated generator for the Township to present to the Hershey's Mill HOA.



# 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 # : 855976  
Invoice Date : 04/25/2019  
Project : EGMAU19001  
Project Name : 2019 General Services

---

For Services Rendered through: 4/14/2019

April Engineer's Report; prepared for and attended April Municipal Authority meeting; provided scoping and pricing recommendations for Chester Creek interceptor investigation including coordination with multiple contractors on scoping and pricing; reviewed proposed low-pressure sewer connection submission for 204 Line Road and prepared comments and requests for additional project plans & information; and evaluated planned RCSTP sludge valve replacement and tank dewatering approach.

Barkway Muffin Monster construction assistance: obtained formal equipment price quotation from vendor for Municipal Authority approval including multiple quote submissions to ensure all equipment was provided; and provided a list of other materials the Township will need to acquire separately. (Note that EGMAU17006 project was for design and did not include any limited construction phase services).

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

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

Labor :	2,496.25
Expense :	0.00
Phase Total :	2,496.25

Amount Due This Invoice

---

\$2,496.25

Fee :	27,000.00
Prior Billings :	2,088.00
Current Billings :	2,496.25
Total Billings :	4,584.25

Continued on next page...

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

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...Continued from previous page

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

<b>Labor</b>			
<i>Class</i>	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Authority Engineer	9.00	127.00	1,143.00
Senior Professional	2.25	121.00	272.25
Associate Professional	11.50	94.00	1,081.00
<b>Labor Total:</b>	<b>22.75</b>		<b>2,496.25</b>

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

Labor : \$2,496.25

Expense : \$0.00

## Total Project : EGMAU19001 -- 2019 General Services

Labor : \$2,496.25

Expense : \$0.00

East Goshen Municipal Authority  
EGMAU19001 Invoice Summary  
Invoice Date 4/25/2019

<b>Project:</b>	EGMAU19001		
<b>Pennoni Job No.:</b>	2019 General Services		
<b>Invoice No:</b>	<b>855976</b>		
<b>Invoice Period:</b>	3/18/2019	to	4/14/2019
<b>Initial Authorization:</b>	\$ 27,000.00	<b>Date:</b>	4/25/2019
<b>Contract Amount:</b>	\$ 27,000.00		
<b>Previously Invoiced:</b>	\$ 2,088.00		
<b>Current Invoice:</b>	\$ 2,496.25		
<b>Invoiced to Date (\$):</b>	\$ 4,584.25		
<b>Invoiced to Date (%):</b>	17%		
<b>Remaining Budget (\$):</b>	\$ 22,415.75		
<b>Remaining Budget (%):</b>	83%		

**Budget by Phase:**

<b>Phase Name:</b>	2019 General Services		
<b>Phase Budget:</b>	\$ 27,000.00		
<b>Previously Invoiced:</b>	\$ 2,088.00		
<b>Current Invoice:</b>	\$ 2,496.25		
<b>Invoiced to Date (\$):</b>	\$ 4,584.25		
<b>Invoiced to Date (%):</b>	17%		
<b>Remaining Budget (\$):</b>	\$ 22,415.75		
<b>Remaining Budget (%):</b>	83%		

**Comments:** April Engineer's Report; prepared for and attended April Municipal Authority meeting; provided scoping and pricing recommendations for Chester Creek interceptor investigation including coordination with multiple contractors on scoping and pricing; reviewed proposed low-pressure sewer connection submission for 204 Line Road and prepared comments and requests for additional project plans & information; and evaluated planned RCSTP sludge valve replacement and tank dewatering approach.

Barkway Muffin Monster construction assistance: obtained formal equipment price quotation from vendor for Municipal Authority approval including multiple quote submissions to ensure all equipment was provided; and provided a list of other materials the Township will need to acquire separately. (Note that EGMAU17006 project was for design and did not include any limited construction phase services).



# 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 # : 855977  
Invoice Date : 04/25/2019  
Project : EGMAU19002  
Project Name : 2019 I&I Support and Reports

For Services Rendered through: 4/14/2019

Continued weekly flow analysis of portable metering in Bow Tree and weekly analysis summary correspondence with PW Director.

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

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

Labor :	1,592.25
Expense :	0.00
Phase Total :	1,592.25

Amount Due This Invoice

\$1,592.25

Fee :	11,000.00
Prior Billings :	4,499.75
Current Billings :	1,592.25
Total Billings :	6,092.00

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	1.25	127.00	158.75
Associate Professional	15.25	94.00	1,433.50
Labor Total:	16.50		1,592.25

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

Labor :	\$1,592.25
Expense :	\$0.00

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

Labor :	\$1,592.25
Expense :	\$0.00

*For [Signature]*  
5/14/19



East Goshen Municipal Authority  
EGMAU19002 Invoice Summary  
Invoice Date 4/25/2019

**Project:** EGMAU19002  
**Pennoni Job No.:** 2019 I&I Support and Reports  
**Invoice No:** 855977  
**Invoice Period:** 3/18/2019 to 4/14/2019  
**Initial Authorization:** \$ 11,000.00 **Date:** 4/25/2019  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 4,499.75  
**Current Invoice:** \$ 1,592.25  
**Invoiced to Date (\$):** \$ 6,092.00  
**Invoiced to Date (%):** 55%  
**Remaining Budget (\$):** \$ 4,908.00  
**Remaining Budget (%):** 45%

**Budget by Phase:**

**Phase Name:** 2019 I&I Support and Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 4,499.75  
**Current Invoice:** \$ 1,592.25  
**Invoiced to Date (\$):** \$ 6,092.00  
**Invoiced to Date (%):** 55%  
**Remaining Budget (\$):** \$ 4,908.00  
**Remaining Budget (%):** 45%

**Comments:** Continued weekly flow analysis of portable metering in Bow Tree and weekly analysis summary correspondence with PW Director.



# 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 # : 855978  
Invoice Date : 04/25/2019  
Project : EGMAU19003  
Project Name : 2018 Chapter 94 Reports

For Services Rendered through: 4/14/2019

FINAL INVOICE provided no comments are received from PADEP.

Finalized and submitted the Ridley Creek STP (RCSTP) Chapter 94 Report to PADEP and East Goshen Township; and prepared RCSTP report summary for the April Municipal Authority meeting.

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

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

Labor : 1,507.50  
Expense : 0.00  
Phase Total : 1,507.50

Amount Due This Invoice

\$1,507.50

Fee : 11,000.00  
Prior Billings : 7,512.50  
Current Billings : 1,507.50  
Total Billings : 9,020.00

*For* *also*  
5/16/19

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	4.50	127.00	571.50
Associate Professional	7.50	94.00	705.00
Engineering Technician	2.75	84.00	231.00
Labor Total:	14.75		1,507.50

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

Labor : \$1,507.50  
Expense : \$0.00

Total Project : EGMAU19003 -- 2018 Chapter 94 Reports

Labor : \$1,507.50  
Expense : \$0.00

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

East Goshen Municipal Authority  
EGMAU19003 Invoice Summary  
Invoice Date 4/25/2019

**Project:** EGMAU19003  
**Pennoni Job No.:** 2019 Chapter 94 Reports  
**Invoice No:** 855978  
**Invoice Period:** 3/18/2019 to 4/14/2019  
**Initial Authorization:** \$ 11,000.00 **Date:** 4/25/2019  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 7,512.50  
**Current Invoice:** \$ 1,507.50  
**Invoiced to Date (\$):** \$ 9,020.00  
**Invoiced to Date (%):** 82%  
**Remaining Budget (\$):** \$ 1,980.00  
**Remaining Budget (%):** 18%

**Budget by Phase:**

**Phase Name:** 2019 Chapter 94 Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 7,512.50  
**Current Invoice:** \$ 1,507.50  
**Invoiced to Date (\$):** \$ 9,020.00  
**Invoiced to Date (%):** 82%  
**Remaining Budget (\$):** \$ 1,980.00  
**Remaining Budget (%):** 18%

**Comments:** FINAL INVOICE provided no comments are received from PADEP.

Finalized and submitted the Ridley Creek STP (RCSTP) Chapter 94 Report to PADEP and East Goshen Township; and prepared RCSTP report summary for the April Municipal Authority meeting.





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  
05/07/2019  
Client No: 6604-001M  
Invoice No. 207417

General Authority Services

Fees

		Hours	
04/05/2019			
PMM	Email from S Smith with meeting materials.	0.20	
04/08/2019			
PMM	Review and analyze meeting materials in preparation for authority board meeting; Attend board meeting.	1.80	
	For Current Services Rendered	2.00	400.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Patrick M. McKenna	2.00	\$200.00	\$400.00

Previous Balance \$260.00

Total Current Charges 400.00

04/22/2019 Payment -260.00

Balance Due \$400.00

*[Signature]*  
5/10/19

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.



Delaware River Basin Commission  
P.O. Box 7360  
West Trenton, NJ 08628-0360

**Letter Date:** 03/19/2019  
**Invoice ID:** 7224  
**Customer ID:** 31  
**Docket Number:** D-2000-030 CP  
**Amount Due:** \$ 626.00  
**Due Date:** 5/15/19

March 19, 2019



000651 L2221T6T  
East Goshen Municipal Authority  
C/O Business Administrator  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380-6107



**For Additional Information:**  
Website: [www.drbc.net/fees](http://www.drbc.net/fees)  
Email: [annualfee@drbc.nj.gov](mailto:annualfee@drbc.nj.gov)  
Phone: 609-883-9500

*Ja* *AS* 5/10/19

Dear Docket Holder:

In accordance with Delaware River Basin Commission (DRBC) Resolution No. 2016-09, codified in relevant part at 18 CFR 401.43, each withdrawal and/or discharge project for which a water allocation and/or wastewater discharge approval has been issued pursuant to the Delaware River Basin Compact and implementing regulations ("Approval") is subject to DRBC's annual monitoring and coordination fee ("annual fee"). The annual fee corresponds to the volume of the monthly allocation and/or daily discharge capacity - whether express or implicit - established by the Approval. The allocation/discharge volumes and corresponding fees are shown in the schedule on the reverse of this invoice.

If an entity has received an Approval (or Approvals) for both water allocation and wastewater discharge activities, separate invoices will be issued for these separate activities. This invoice includes the annual fee for the facility and activity identified below for calendar year 2019. The invoiced amount was calculated based on the monthly allocation (in MGM) or daily discharge capacity (in MGD) approved as of January 1, 2019.

This invoice pertains to the Daily Discharge Capacity approved by D-2000-030 CP and is based on an amount of 0.750 MGD.

Detach here and return coupon with payment

East Goshen Municipal Authority

**Amount Enclosed:** \$ \_\_\_\_\_

**Please make check payable to:**  
Delaware River Basin Commission

**Letter Date:** 03/19/2019  
**Invoice ID:** 7224  
**Customer ID:** 31  
**Docket Number:** D-2000-030 CP  
**Amount Due:** \$ 626.00  
**Due Date:** 5/15/19

Delaware River Basin Commission  
PO BOX 788801  
Philadelphia, PA 19178-8801

☐ Check here to indicate address change and complete form on reverse.

000000003120000007224900000005152019000000000626003

# Memo

---

To: Municipal Authority  
From: Jon Altshul  
Re: MA April Financial Report  
Date: May 9, 2019

---

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

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

EAST GOSHEN TOWNSHIP  
Other Funds  
April 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
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000			(42.02)	(42.02)		(14.36)	(14.36)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020							
DCEB 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	07380 1000			424.36	424.36			
TRANSFER FROM GENERAL ACCT	07392 0100							
TRANSFER FROM SEWER OPERATING	07392 0500	311,118	100,000	142,808.28	42,808.28		38,312.19	38,312.19
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			16,022.97	16,022.97			
<b>TOTAL REVENUE</b>		<b>700,425</b>	<b>100,000</b>	<b>160,059.23</b>	<b>60,059.23</b>		<b>38,297.83</b>	<b>38,297.83</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	754	8.00	746.00	188		188.00
MUNIC. AUTH. - AUDITING	07424 3110	9,663	9,663	7,007.00	2,656.00	2,504		2,504.00
ENGINEERING SERVICES	07424 3130	70,000	23,333	18,964.25	4,368.75	5,833	2,875.25	2,957.75
LEGAL SERVICES	07424 3140	8,000	2,670	1,580.00	1,090.00	670	260.00	410.00
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			11,830.72	(11,830.72)			
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			4,192.25	(4,192.25)			
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000			101,012.25	(101,012.25)		20,544.95	(20,544.95)



EAST GOSHEN TOWNSHIP  
Other Funds  
April 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	6,059.19	10,690.81		297.40	(297.40)
HERSHEY'S 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			
ASBESTOS 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 PAYMN	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							
TOTAL EXPENSES		700,425	189,045	158,241.25	30,803.75	9,195	23,977.60	(14,782.60)
NET RESULT FROM OPERATIONS			(89,045)	1,817.98	90,862.98	(9,195)	14,320.23	23,515.23

2019 Municipal Authority Year-to-Date Revenues & Expenses, 4/30/19

Account #	Description	Per	Src	Debits	Credits	Date	Check#	Name	Description	Description 2
07341-1000	BEGINNING BALANCE									
07341-1000	INTEREST EARNINGS	1901	JE	\$15.00	\$0.00	1/4/2019		BANK FEES REIMBURSE S/R FOR DEC.2018	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	1901	JE	\$0.00	\$1.06	2/4/2019		INTEREST EARNED JANUARY 2019		
07341-1000	INTEREST EARNINGS	1902	JE	\$15.00	\$0.00	2/4/2019		REIMBURS REIMBURSE S/R FOR JANUARY 2019	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	1902	JE	\$0.00	\$0.66	3/4/2019		INTEREST EARNED FEB.2019		
07341-1000	INTEREST EARNINGS	1903	JE	\$0.00	\$0.62	3/31/2019		INTEREST EARNED MARCH 2019	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	1904	JE	\$15.00	\$0.00	4/3/2019		REIMBURS REIMBURSE S/R FOR MARCH 2019		
07341-1000	INTEREST EARNINGS	1904	JE	\$0.00	\$0.64	4/30/2019		INTEREST EARNED APRIL 2019	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	1905	JE	\$15.00	\$0.00	5/3/2019		REIMBURS REIMBURSE S/R FOR APRIL 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1905	JE	\$15.00	\$0.00	5/6/2019		BANK FEES REIMBURSE S/R FOR FEB.2019	BANK FEES	
07364-1130	BEGINNING BALANCE									
07364-1130	CONNECTION FEES - SEWER	1901	CR	\$0.00	\$423.00	1/30/2019		2629 STOFFLET, MICHAEL		
07364-1130	CONNECTION FEES - SEWER	1902	CR	\$0.00	\$423.00	2/11/2019		570 JACOBS, ROBERT & CHERYL		
07364-1130	CONNECTION FEES - SEWER	1902	CR	\$0.00	\$423.00	2/19/2019		138 23 GEORGE SMITH & CHRISTINA CONLE		
07364-1130	CONNECTION FEES - SEWER	1902	JE	\$141.12	\$0.00	2/1/2019		PINE ROCK ANNUAL PINE ROCK - INTEREST	PMT - STOFFLET JACOBS	
07364-1130	CONNECTION FEES - SEWER	1902	JE	\$141.12	\$0.00	2/11/2019		2019 ANNUAL PINE ROCK INTEREST PMT	RC210	
07364-1130	CONNECTION FEES - SEWER	1902	JE	\$141.12	\$0.00	2/19/2019		PINE ROCK ANNUAL PINE ROCK INSTALLMENT		
07380-1000	BEGINNING BALANCE									
07380-1000	MISCELLANEOUS REVENUE	1902	JE	\$0.00	\$141.12	2/1/2019		PINE ROCK ANNUAL PINE ROCK - INTEREST	PMT - STOFFLET JACOBS	
07380-1000	MISCELLANEOUS REVENUE	1902	JE	\$0.00	\$141.12	2/11/2019		2019 ANNUAL PINE ROCK INTEREST PMT	RC210	
07380-1000	MISCELLANEOUS REVENUE	1902	JE	\$0.00	\$141.12	2/19/2019		PINE ROCK ANNUAL PINE ROCK INSTALLMENT	MISCELLANEOUS REVENUE	
07380-1000	MISCELLANEOUS REVENUE	1902	RE	\$0.00	\$1.00	2/19/2019		68923 1 SALE OF GENERATOR TO BEALE TWP		
07392-0500	BEGINNING BALANCE									
07392-0500	TRANSFER FROM SEWER OPERATING	1901	JE	\$0.00	\$57,399.61	1/15/2019		XFER FR: SEWER TO MA 1/15/19		
07392-0500	TRANSFER FROM SEWER OPERATING	1902	JE	\$0.00	\$34,587.60	2/15/2019		XFER FROM SEWER 05 TO MA 07		
07392-0500	TRANSFER FROM SEWER OPERATING	1903	JE	\$0.00	\$12,508.88	3/14/2019		XFER \$ FROM 05 TO MA 07 TO	COVER EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERATING	1904	JE	\$0.00	\$38,312.19	4/10/2019		XFER TO 07 FROM 05 4/10/19		
07392-0900	BEGINNING BALANCE									
07392-0900	TRANSFER FROM SEWER CAP RESERVE	1901	JE	\$0.00	\$12,132.22	1/15/2019		XFER FROM SEWER SINKING TO MA		1/15/2019
07392-0900	TRANSFER FROM SEWER CAP RESERVE	1902	JE	\$0.00	\$2,161.00	2/15/2019		XFER FROM SEWER CAPITAL 09 TO	MA 07	
07392-0900	TRANSFER FROM SEWER CAP RESERVE	1903	JE	\$0.00	\$1,729.75	3/14/2019		XFER \$ FROM SEWER SINKING TO	MA 07 TO COVER EXPENSES	
07424-1400	BEGINNING BALANCE									
07424-1400	ADMINISTRATIVE WAGES	1903	CD	\$7,587.59	\$0.00	3/25/2019		3154 EAST GOSHEN TOWNSHIP - GENERAL	QTR.1-2019 REIMBURSEMENT - MA	
07424-3000	BEGINNING BALANCE									
07424-3000	MISCELLANEOUS EXPENSE	1901	CD	\$8.00	\$0.00	1/15/2019		3147 PMAA		
07424-3000	MISCELLANEOUS EXPENSE	1902	CD	\$8.00	\$0.00	2/14/2019		3148 YAHRAES, JOHN E.	PA MUNICIPAL AUTH.- PROUD HISTORY - BRIGHT FUTURE REIMBURSEMENT - PROUD HISTORY..." PUBLICATION VOID CK. 3148	
07424-3000	MISCELLANEOUS EXPENSE	1902	CD	-\$8.00	\$0.00	2/14/2019		3148 YAHRAES, JOHN E.		
07424-3110	BEGINNING BALANCE									
07424-3110	MUNIC.AUTH.-AUDITING	1903	CD	\$7,007.00	\$0.00	3/25/2019		3155 MAILLIE FALCONIERO & CO.	2018 FINANCIAL STMT. - MUNICIPAL AUTHORITY	
07424-3130	BEGINNING BALANCE									
07424-3130	ENGINEERING SERVICES	1901	CD	\$4,864.00	\$0.00	1/15/2019		3146 PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 2018 I&I SUPPT.	
07424-3130	ENGINEERING SERVICES	1902	CD	\$5,170.00	\$0.00	2/15/2019		3150 PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 CHAP 94	
07424-3130	ENGINEERING SERVICES	1903	CD	\$6,055.00	\$0.00	3/14/2019		3153 PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 2019 GEN.SERV	
07424-3130	ENGINEERING SERVICES	1904	CD	\$2,875.25	\$0.00	4/10/2019		3157 PENNONI ASSOCIATES INC.	SERVICES THRU 3/17/19 2019 GENERAL	
07424-3140	BEGINNING BALANCE									
07424-3140	LEGAL SERVICES	1901	CD	\$440.00	\$0.00	1/15/2019		3143 GAWTHROP GREENWOOD & HALSTED	LEGAL SERV. 12/7-12/28/18 GEN.AUTH.	
07424-3140	LEGAL SERVICES	1902	CD	\$620.00	\$0.00	2/15/2019		3149 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 1/2-1/14/19 GEN.AUTH	
07424-3140	LEGAL SERVICES	1903	CD	\$260.00	\$0.00	3/14/2019		3152 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICES - FEB.2019 GEN.AUTH.	
07424-3140	LEGAL SERVICES	1904	CD	\$260.00	\$0.00	4/18/2019		3158 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE MARCH 2019 - GEN.AUTH	




# Memorandum

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East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

Voice: 610-692-7171  
Fax: 610-692-8950  
E-mail: [mgordon@eastgoshe.org](mailto:mgordon@eastgoshe.org)

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Date: 5/7/2018  
To: Municipal Authority  
From: Mark Gordon, Township Zoning Officer   
Cc: Mark Miller, Public Works Director  
Re: PennDOT Agreement for Incorporated Work

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Dear Municipal Authority Members:

As you may know, the Paoli Pike Trail Project is completing the permitting process with PennDOT and we have a number of final housekeeping items to clean up for the project.

Along Segments F and G (Applebrook Park) of the trail, there are two (2) EGT sanitary sewer manholes that need to be adjusted to meet the new final grades. PennDOT requires that the Township and the Municipal Authority enter into an agreement to ensure that the Township is going to pay for and / or reimburse the East Goshen Municipal Authority for the cost of the required adjustment. This is another safeguard PennDOT has in place to ensure all public utilities are protected and reimbursed for the relocation of utility infrastructure.

Mark Miller is well aware of this project requirement and the PW Dept. will perform the work to make the elevation adjustment to these manholes.

## **Staff Recommendation:**

Staff recommends that the Board authorize the Chairman to execute this Project Agreement for Incorporated Work and forward it to the Municipal Authority for their authorization.

## **Draft Motion:**

I move that the Board authorize the Chairman to execute the Project Agreement for Incorporated Work with the East Goshen Municipal Authority for the work needed to adjust the two (2) manholes within the Paoli Pike Trail project area within Segments F and G of the Paoli Pike Trail Project.



COPY

Agreement No. 00001

**PROJECT AGREEMENT FOR INCORPORATED WORK**

This Project Agreement, numbered 00001 is made and entered into this \_\_\_\_\_ day of \_\_\_\_\_, between "East Goshen Township", hereinafter "Township" and "East Goshen Township Municipal Authority", hereinafter "Utility".

**WITNESSETH**

Whereas, the Township is about to undertake a project on Paoli Pike (SR 2014) in Chester County, hereinafter "Project" which requires the adjustment of "Utility" castings; and,

Whereas, "Utility" has requested and "Township" has agreed to incorporate the adjustment of said castings into the Project agreement; and,

Whereas, "Utility" agrees to reimburse "Township" the cost of the adjustment of the castings in accordance with this Agreement.

**NOWHEREFORE**

In consideration of the foregoing premises and the mutual promises hereinafter set forth, and with intent to be legally bound hereby, the Parties agree as follows:

1. The estimated number of castings to be adjusted and the cost of each are shown on Exhibit 1 which is attached hereto and made a part hereof. Casting adjustment costs are estimated to be a total cost of \$ \$1,970.00.
2. In the event the actual number of castings to be adjusted changes from the number estimated in Exhibit 1, "Utility" agrees to reimburse "Township" for the actual number of adjusted castings based on the unit costs shown on Exhibit 1.
3. Upon completion of the work to the satisfaction of "Utility", "Township" shall invoice "Utility" for the adjustment of the castings. "Utility" agrees to pay "Township" within 60 days of receipt of an invoice from "Township".
4. All work performed pursuant to this Agreement must comply with the Buy America provisions in 23 U.S.C. §313 and 23 CFR §635.410 and the Steel Products Procurement Act, 73 P.S. §1881 et seq.

RE:

County: Chester

Utility: East Goshen Township Municipal Authority

Hereinafter set forth is the listing of anticipated castings which are being incorporated herein by this Agreement.

<u>Number of Castings</u>	<u>Bid Item</u>	<u>Unit Price</u>	<u>Total Cost</u>
	9999-9950	388.00	
	9999-9951	365.00	
	9999-9952	473.00	
	9999-9953	477.00	
	9999-9954	591.00	
	9999-9955	567.00	
	9999-9956	690.00	
	9999-9957	713.00	
	9999-9958	908.00	
2	9999-9959	735.00	1470.00
	9999-9960	951.00	
	9999-9961	1,183.00	
	9999-9962	558.00	
2	9999-9963	250.00	500.00
	9999-9964	404.00	
	9999-9965	279.00	
	9999-9966	465.00	
	9999-9967	495.00	

EXHIBIT 1

BOARD OF SUPERVISORS  
EAST GOSHEN TOWNSHIP

CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

FYI

April 18, 2019

Dear Property Owner:

The purpose of this letter is to inform you that the owner of 1422 Ardleigh Cir., West Chester, PA 19380, has submitted a Conditional Use Application to operate a Home Occupation from his home, for review and approval by the Township.

The property owner, Christopher Zumpano, has submitted a Conditional Use application seeking approval to operate his woodworking business as a Home Occupation from his home. The wood working business will be conducted within the new 24'x28' 2 story accessory building on the property.

Conditional Uses applications are reviewed by the Planning Commission and the Board of Supervisors. Pursuant to Township policy, property owners within 1000 feet of the subject property are notified of Conditional Use applications.

The meeting dates and times scheduled for the review and discussion of this application are listed below:

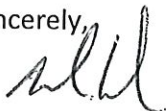
**May 1, 2019 - Planning Commission (7:00 PM)**

**June 5, 2019 - Planning Commission (7:00 PM)**

**June 18, 2019 - Board of Supervisors - Conditional Use Hearing (7:00 pm)**

All meetings are held at the Township Building and are open to the public. The plan is available for review at the Township building during normal business hours. Please give me a call if you have any questions or need additional information.

Sincerely,



Mark A. Gordon  
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions