

**EAST GOSHEN MUNICIPAL AUTHORITY**

**April 8, 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. March 11, 2019

4. APPROVAL OF 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
Gawthrop Invoice #205694	\$	260.00 – pd 3/12
Payment App. No. #3 – Tallmadge Dr.	\$	20,403.70

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. March 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 – 3-8-2018 completed  
c. Continue to run the plant to DEP permit requirements

10. NEW BUSINESS

- a. Request to replace trees in a berm
- b. Quote for Barkway Muffin Monster- JWC Environmental
- c.

11. CAPACITY REQUESTS

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

- a. Acknowledge the WQM Permit – West Goshen Sewer Authority

14. PUBLIC COMMENT

15. ADJOURNMENT

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

April 5, 2019

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

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

**Meters:** The 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 calibrated on March 28<sup>th</sup>, the channels were cleaned and routine adjustments were performed.

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

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

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

**R.C. Collection:**

We completed the conduit work at the Hershey Mill Pump Station and Lenni Electric separated the wiring for each pump and the float wires. We continued INI work on the system and completed the problems that we found when we were televising. We will be televising the Bow Tree area next week.

**R.C. Plant:**

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

**Alarms:**

We responded to 27 alarms for March.

**PA One Calls:**

We received 66 PA One Calls that required our attention. Sunoco kept us busy for two weeks as they needed all the lines marked from Green Hill Road to Manley Road. I printed them out Quad maps showing the lines and the depths as well. They physically located the force main for the Ashbridge system.

**Monthly Rainfall:**

4.60 inches for March.



**EAST GOSHEN MUNICIPAL AUTHORITY  
ENGINEER'S REPORT**

April 5, 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 design plans were finalized and submitted to the Township.
- The Muffin Monster vendor provided a formal price quote based on the finalized design that has been submitted to the Township for consideration at the April MA meeting.
- The product delivery schedule is approximately 4 weeks for submittals, 2 weeks for submittal review by the Township and Pennoni, and 12 weeks for fabrication and shipment. Therefore, if the vendor is authorized to proceed the week of April 8, delivery would be expected in early August. Construction by the PW Department could commence immediately thereafter.

**Ashbridge Pump Station Force Main**

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

**Tallmadge Drive Sewer Main Replacement**

- The contractor, Iron Eagle, commissioned Pipe Data View to perform final re-televising of all sewer mains (with the sewers being bypass pumped) and vacuum testing of Manhole R-033 on March 20. The vacuum testing passed. We reviewed the videos and found the minor sags were generally unchanged from the initial video inspections in December 2017, so no further re-work is needed. The contractor also replaced and reset damaged and shifted manhole frames, performed lawn restoration, and cleaned up the site. The contractor's work is now considered complete. The Township and Iron Eagle have agreed that a separate contractor will repair approximately 15-20 feet of concrete curb that was damaged during the project at Iron Eagle's expense.
- We coordinated with the contractor and his bonding company on preparation of contract closeout documents, and we reviewed the closeout documents consisting of the Contractor's Release, Statement of Surety, prevailing wage rate certifications, Change Order #1 (to formally address as-built quantity changes for unit price items), and Pay Application #3 (Final). The documents have been submitted to the Township for consideration at the April MA meeting.

**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 3. Graphs of the flows are attached. To summarize, there were very low overnight base flows at two of the metering locations (Double Pond and Eldridge Drive), indicating little to no continuous infiltration.

The Achcom Way location is subject to continuous base flows.

- Since March 22, 2019 the Double Pond meter appears to have been malfunctioning. We understand that the batteries were replaced on April 2, 2019, which should correct the malfunction.
- 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.
- We understand that Pipe Data View will be televising the sewers upstream of Achcom Way the week of April 8. We recommend the Achcom Way meter remain in place to monitor the impact of any subsequent repairs, while the other two meters can now be moved elsewhere in the Ridley Creek collection system.
- We coordinated with pipe inspection contractors for inspection of the Chester Creek Interceptor for scoping and pricing. The cost for laser and sonar inspection of approximately 7,000 LF of the 24" diameter portion of the interceptor, which also includes a TV inspection, was approximately \$49,000. Pipe Data View (PDV) can perform a TV inspection only of the same sewers for approximately \$12,000; however the Township will need to provide flow control. Including the Township PW Department's time, this approach is projected to be significantly less costly than the laser and sonar inspection, yielding similar assessment of I&I and structural defects. We understand the PW Department will coordinate schedule of the inspection work with PDV and that it will occur during overnight hours when flows are lowest.

#### **New Connections**

- We reviewed a revised plan for Ducklings Early Learning Center (1302 Wilson Drive). All sanitary sewer comments were satisfied in the revised plans.
- We recommend the Sewers 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. *No activity since last report.*

#### **Hershey's Mill Pump Station**

- We completed the evaluation of sizing for a replacement generator including review of the projected future flows at the pump station, initial calculations for potential pump upgrades to meet the future demand, and evaluation of the existing electrical load and the potential additional load from future larger pumps. A summary memo will be submitted to the Township.

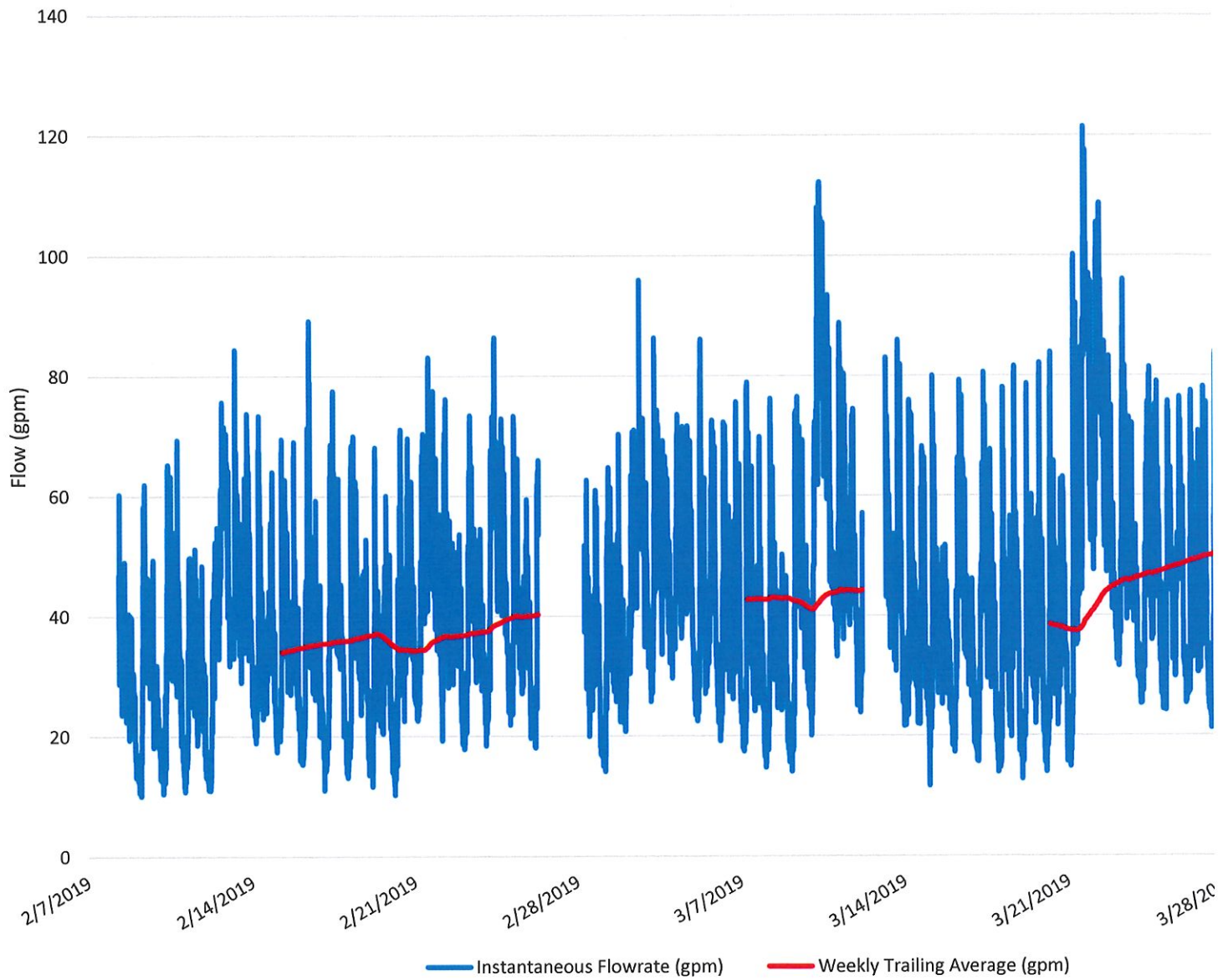
#### **Chapter 94 Reports**

- We completed the Chapter 94 Report for the Ridley Creek Sewage Treatment Plant (RCSTP) and submitted it to DEP. To summarize the report:
  - The RCSTP's average daily influent flow was 539,000 gpd in 2018, which is a significant increase from the preceding four years, but remains well within the 750,000 gpd permitted average capacity of the plant. This is equivalent to 269 gpd/EDU. The increased flow is considered to be the result of the extreme precipitation in 2018. See the attached Table 1 and Table 5 excerpts from the report.
  - The 5-year projected average flow to the RCSTP is 437,000 gpd. Refer to the attached Chart 1 excerpt.
  - Ridley Creek's annual average daily organic loading was 693 lbs BOD<sub>5</sub>/day, which is a significant increase from the preceding three years but is similar to 2014. However, it is well

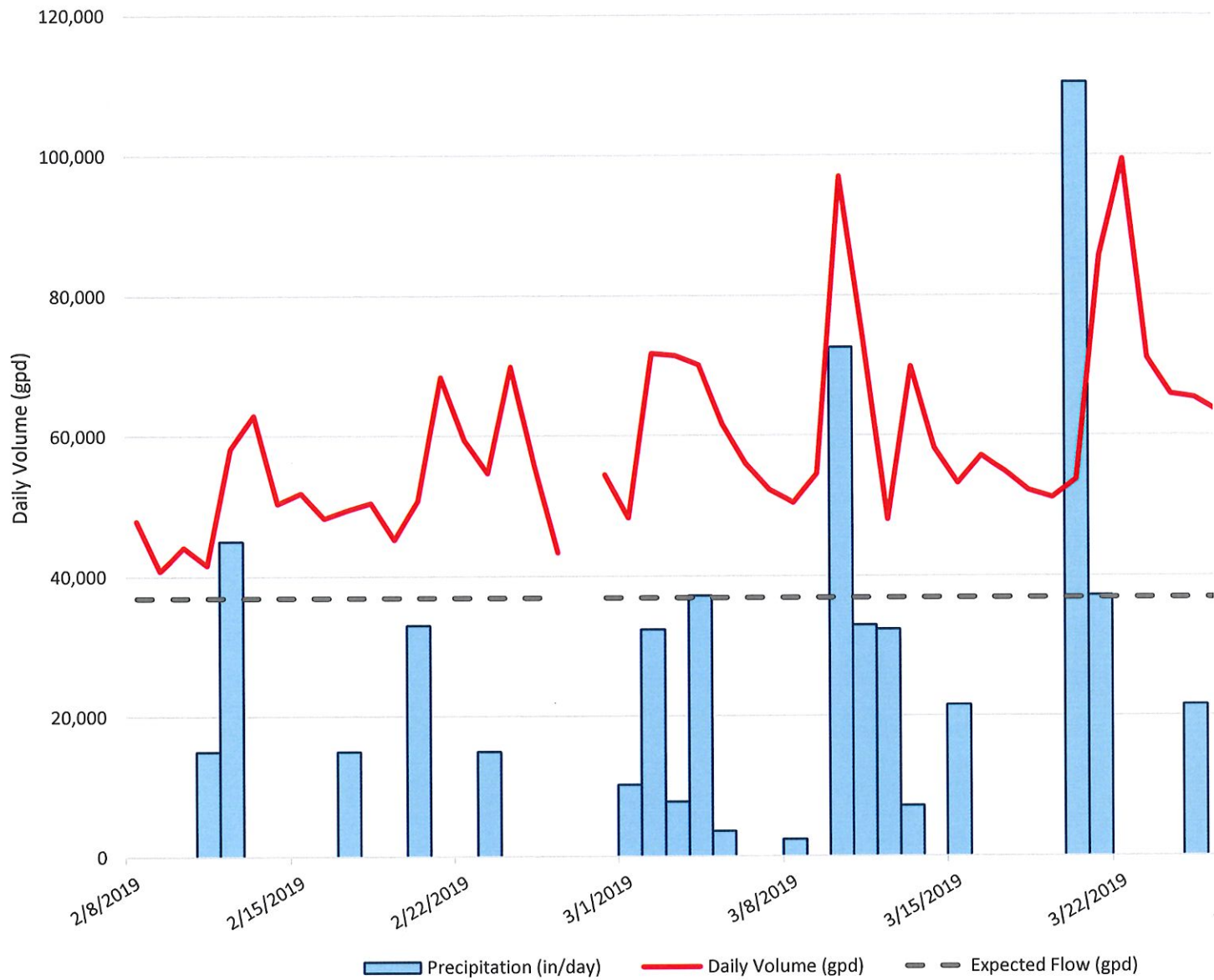
within the 2,098 lbs/day permitted capacity. See the attached Table 3 excerpt from the report.

- The 5-year projected average organic loading to the Ridley Creek Sewage Treatment plant is 697 lbs BOD<sub>5</sub>/day. Refer to the attached Chart 2 excerpt.
- The Hershey's Mill Pump Station's annual average flows exceeded the permitted capacity in 2018 due to extreme precipitation. However, the pump station is still operating within the hydraulic design capacity. The station's average flows in the preceding four years had been below the permitted capacity. See the attached Table 8 excerpt.
- The Hunt Country Pump Station is not metered, but it is believed to have operated within its hydraulic pump capacity in 2018.

# Achcom (MH R636) Temporary Meter Instantaneous Flows

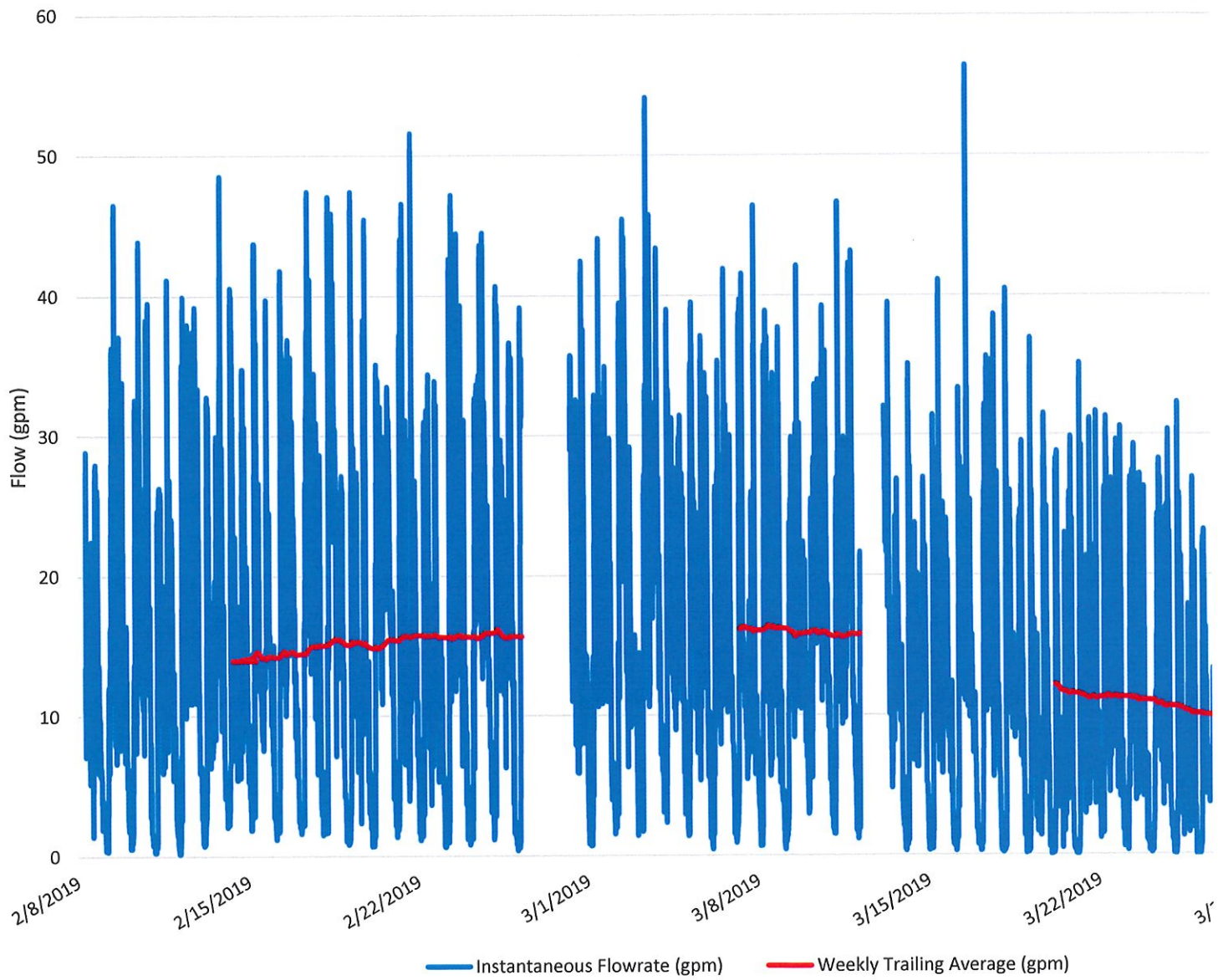


# Achcom Drive Temporary Meter Daily Volume vs. Precipitation

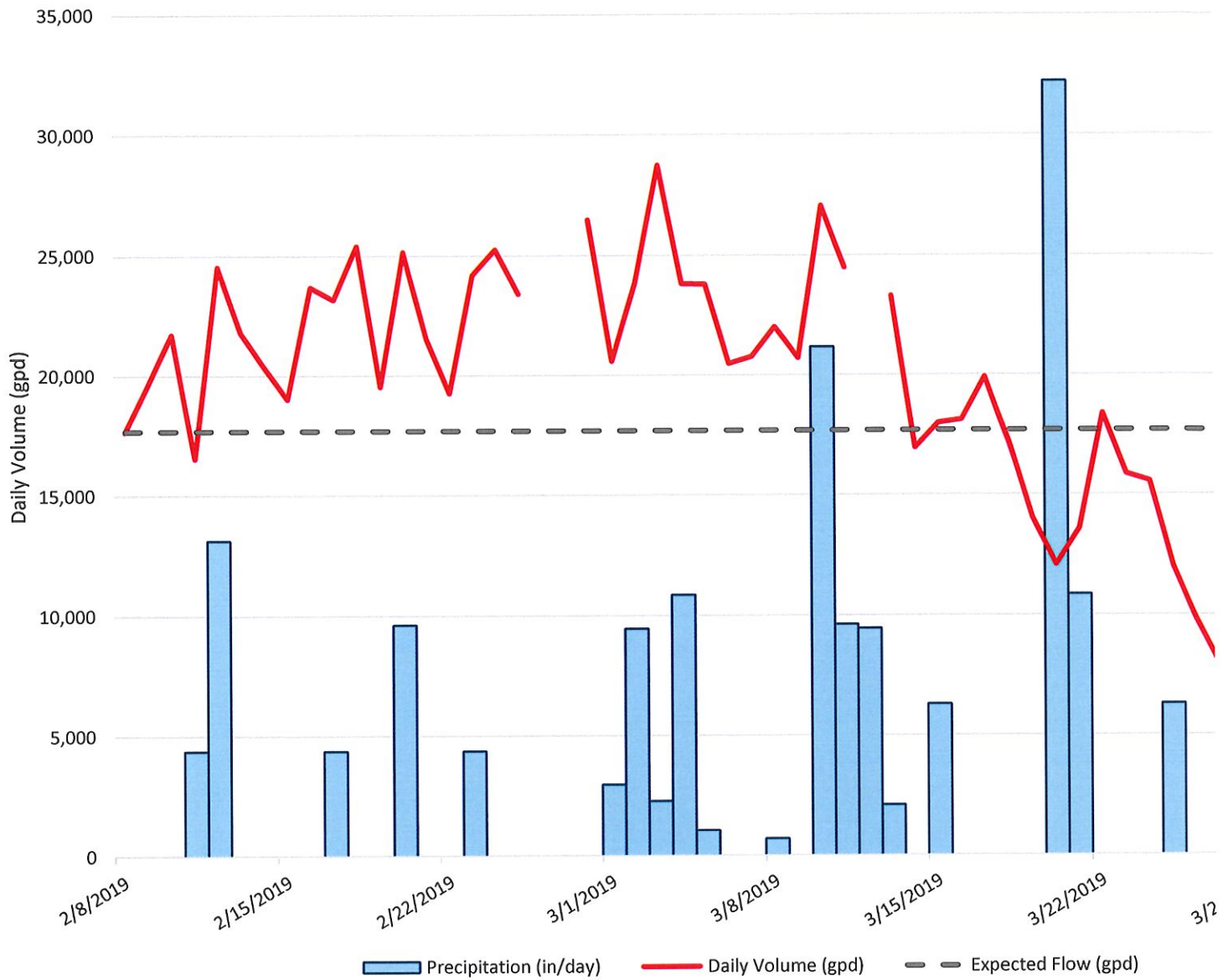




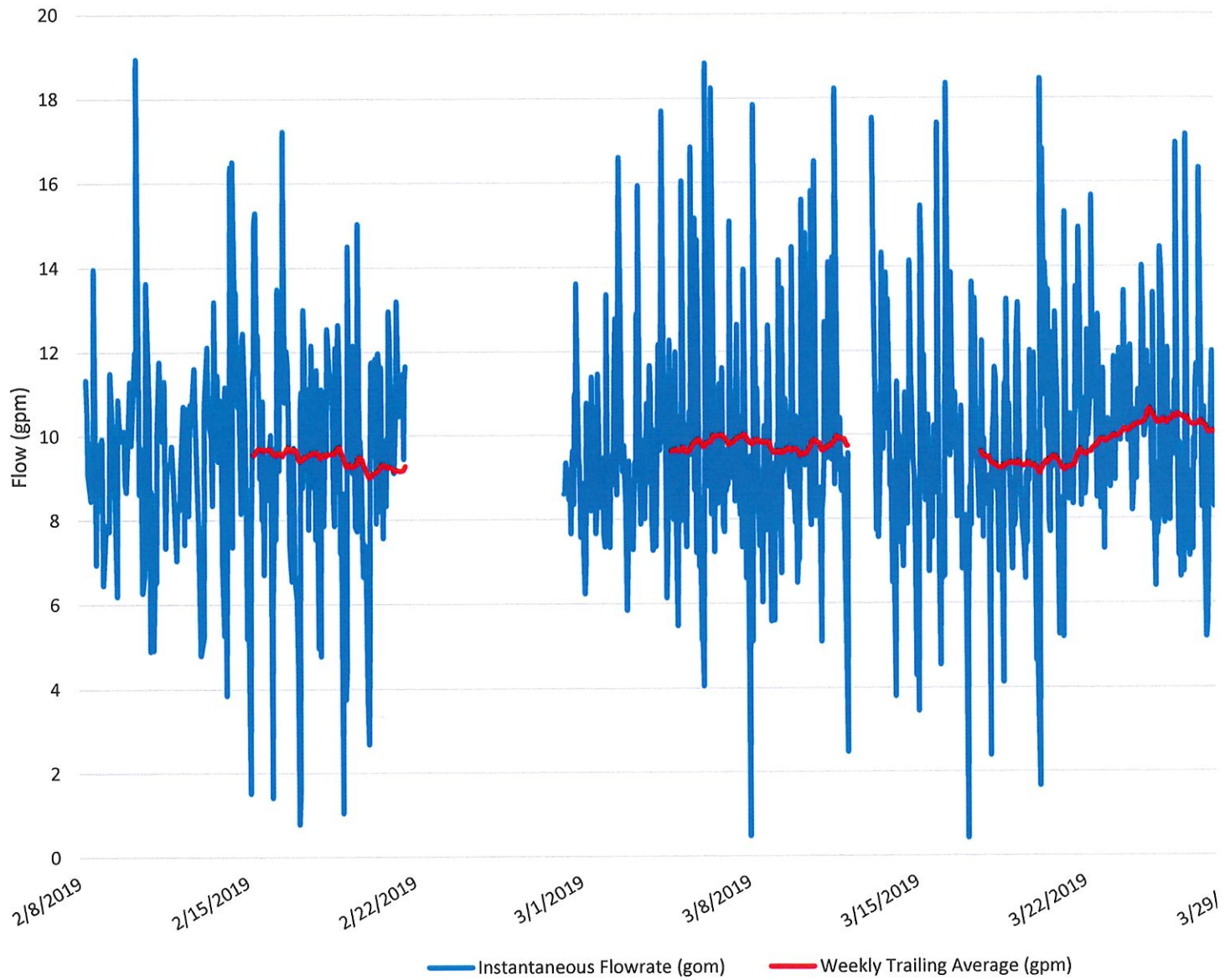
# Double Pond (MH R589) Temporary Meter Instantaneous Flow



Double Pond Temporary Meter  
Daily Volume vs. Precipitation

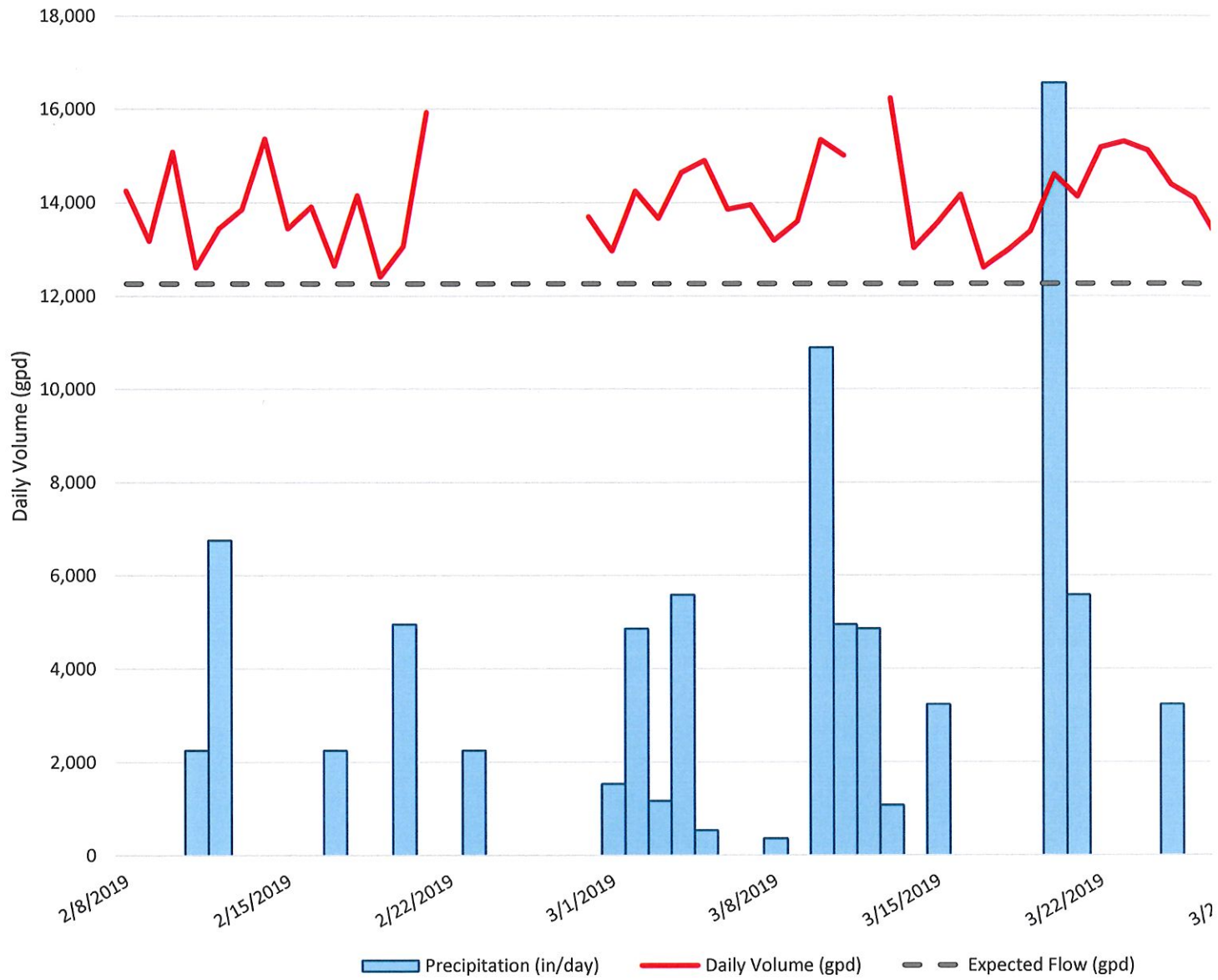


# Eldridge Drive (MH R568) Temporary Meter Instantaneous Flow





# Eldridge Drive Temporary Meter Daily Volume vs. Precipitation



**2018 Chapter 94 Report for Ridley Creek Sewage Treatment Plant  
East Goshen Municipal Authority  
Chester County, Pennsylvania**

<b>Table 1</b>						
<b>Hydraulic Loading<sup>(1)</sup> (MGD)</b>						<b>Rainfall (inches)</b>
<b>Month</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>	<b>2018</b>
January	0.416	0.448	0.466	0.435	0.429	2.2
February	0.447	0.433	0.602	0.404	0.495 <sup>(3)</sup>	6.6
March	0.467	0.538	0.498	0.443	0.527 <sup>(3)</sup>	4.8
April	0.482	0.439	0.437	0.470	0.613	3.4
May	0.489	0.397	0.451	0.442	0.510	5.5
June	0.406	0.386	0.273	0.404	0.550	3.4
July	0.367 <sup>(2)</sup>	0.372	0.248	0.372	0.431	8.1
August	0.330 <sup>(2)</sup>	0.329	0.307	0.355	0.490	10.9
September	0.346	0.335	0.334	0.385	0.591	9.5
October	0.345	0.372	0.354	0.452	0.527	2.7
November	0.372	0.386	0.387	0.399	0.656 <sup>(3)</sup>	12.7
December	0.437	0.457	0.443	0.415	0.648 <sup>(3)</sup>	6.0
<b>Annual Average (AA)</b>	0.409	0.408	0.400	0.415	0.539	6.3
<b>3 Month Max. Average</b>	0.479	0.473	0.522	0.452	0.610	
<b>Ratio (3 Month Max to AA Ratio)</b>	1.173	1.160	1.305	1.089	1.132	
<b>5-Year Average Hydraulic Ratio =</b>					1.172	

<sup>(1)</sup> Influent flows until November 2012 include plant recycle flows due to the location of the influent meter. Influent flows for 2013 through 2018 do not include recycle flows unless otherwise noted.

<sup>(2)</sup> The field influent meter (prior to recycle) malfunctioned from July 16, 2014 through August 3, 2014. Flows for this period are from the RCSTP influent flow meter which includes recycle flows.

<sup>(3)</sup> The field influent meter (prior to recycle) was offline for February and March 2018 as well as November and December 2018. Flows for this period are from the RCSTP influent flow meter which includes recycle flows.

The 2018 average hydraulic load for the entire year was 0.539 MGD, which is well below the permitted capacity of 0.750 MGD. Additionally, there were no months when the monthly average flow exceeded or even approached the design hydraulic loading of 0.750 MGD. At the end of 2018, there were approximately 2,006 EDUs connected to the Ridley Creek collection system with an average flow rate of 269 gpd/EDU.

**2018 Chapter 94 Report for Ridley Creek Sewage Treatment Plant  
East Goshen Municipal Authority  
Chester County, Pennsylvania**

Table 3 provides the 5-year organic loading of the RCSTP.

<b>Table 3</b>					
<b>Organic Loading (lbs/day)</b>					
<b>Month</b>	<b>2014</b>	<b>2015</b>	<b>2016</b>	<b>2017</b>	<b>2018</b>
January	651	549	761	589	524
February	845	729	1,021	336	492
March	603	738	634	475	556
April	685	603	519	329	1,169
May	611	618	570	596	809
June	513	746	636	725	580
July	750	641	263	582	640
August	930	561	415	419	750
September	691	476	642	670	655
October	658	409	275	753	482
November	700	542	561	565	875
December	770	662	382	781	781
<b>Annual Average</b>	701	606	557	569	693
<b>Ratio (Max. Month to Annual Average Ratio)</b>	1.33	1.23	1.83	1.37	1.69
<b>5-Year Average Organic Ratio =</b>					1.49

The 2018 annual average daily organic loading at the RCSTP was 693 lbs BOD<sub>5</sub>/day. The peak loading occurred in April 2018 with an average organic load of 1,169 lbs BOD<sub>5</sub>/day. This one-month peaking ratio is 1.69.

At the end of 2018, there were approximately 2,006 EDUs connected, contributing an average organic load of 0.345 lbs/day/EDU.

**2018 Chapter 94 Report for Ridley Creek Sewage Treatment Plant  
East Goshen Municipal Authority  
Chester County, Pennsylvania**

**3.2 Historical and Projected Connections**

No new connections were added to the Ridley Creek Service Area in 2018 so it maintained a total of 2,006 EDUs. The annual average flow of 0.539 MGD in 2018 results in an average hydraulic loading rate of 269 gpd/EDU. Refer to Appendix A for a list of the new connections in 2018.

Table 5 lists the number of EDUs that were connected in each calendar year for the last five years. The annual gpd/EDU rate was determined by dividing the total average daily flow for the respective calendar year by the number of EDUs connected to the system that year.

<b>Table 5</b>			
<b>Year</b>	<b># of EDUs Connected</b>	<b>gpd/EDU</b>	<b>New Flow (MGD)</b>
2014	5	197	0.001
2015	3	196	0.001
2016	5	200	0.001
2017	3	207	0.001
2018	0	269	0.000

The actual gpd/EDU flow rate for 2018 exceeded the Authority's 225 gpd/EDU design flow rate. This is considered the result of the excessive precipitation in 2018 and resultant inflow and infiltration (I&I). For planning purposes in this report, future new connections are projected at 225 gpd/EDU since new connections are not anticipated to contribute any I&I to the system.

Refer to Appendix B for a table of "Ridley Creek STP Projected EDUs and Hydraulic Load", which details the specific EDUs anticipated to be connected in each of the next five years.

**2018 Chapter 94 Report for Ridley Creek Sewage Treatment Plant  
East Goshen Municipal Authority  
Chester County, Pennsylvania**

Hershey's Mill Pump Station is 201,022 gpd. The annual average flows exceeded permitted capacity in 2018 due to extreme precipitation. Note that in the prior four years the annual average flows were 70,250 gpd in 2017, 78,653 gpd in 2016, 64,746 gpd in 2015, and 74,761 gpd in 2014 which are all less than the permitted capacity. Further, the pump station is still operating within the hydraulic design capacity. Additionally, inflow and infiltration investigations and repairs are ongoing upstream. Therefore, no corrective actions are considered necessary.

The area tributary to the Hunt Country Pump Station contains 67 single family homes, and no additional connections are expected. The pump station does not have a permanent meter. The Township replaced the pumps and other equipment at the Hunt Country Pump Station in 2016 with salvaged equipment from the demolished Reserve Pump Station. The annual average flow in Table 8 is estimated based on the 2018 average flowrate at the RCSTP of 258 gpd/EDU. Peak flows are calculated with a peaking factor of 4.2, which PADEP considers a typical peaking factor for a pump station of this size. Since there are no additional connections expected, the 2-year projected maximum flow at the Hunt Country Pump Station is the same as the present peak flow.

The Township intends to install a permanent flow meter at the Hunt Country Pump Station by 2020.

<b>Table 8</b>						
<b>Pump Stations</b>						
<b>Pump Station Name</b>	<b>Number of Pumps</b>	<b>Permitted Capacities</b>		<b>Present Flows</b>		<b>Projected Flows</b>
		<b>AA Permitted Capacity (gpd)</b>	<b>Hydraulic Design Capacity (excluding capacity of backup pump) (gpm)</b>	<b>Annual Average Flows (gpd)</b>	<b>Peak Flow (gpd)</b>	<b>2-Year Projected Maximum Flow (gpd) <sup>(1)</sup></b>
Hershey's Mill	2	83,000	230 gpm	103,689	200,587	201,022
Hunt Country	2	25,000		17,303	72,672	72,672

<sup>(1)</sup> 2-Year Projected Maximum Flow = 2-Year Projected AA flow \* peaking factor.

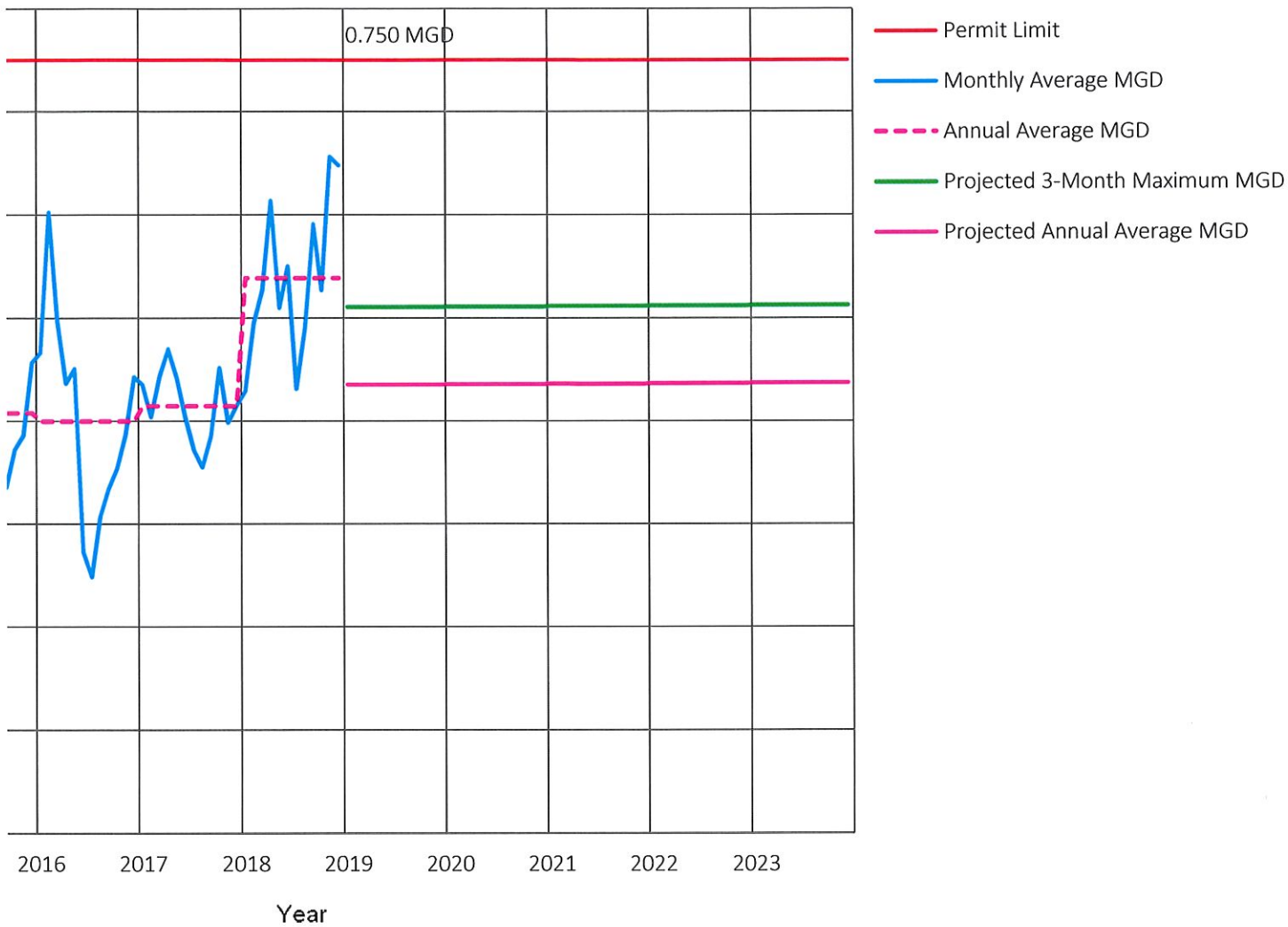
Hershey's Mill P.S. = 103,689 gpd + (1 EDUs x 225 gpd/EDU)) x 1.93 peaking factor = 201,022 gpd

Hunt Country P.S. = Maximum 2018 Daily Flow since no connections are projected.

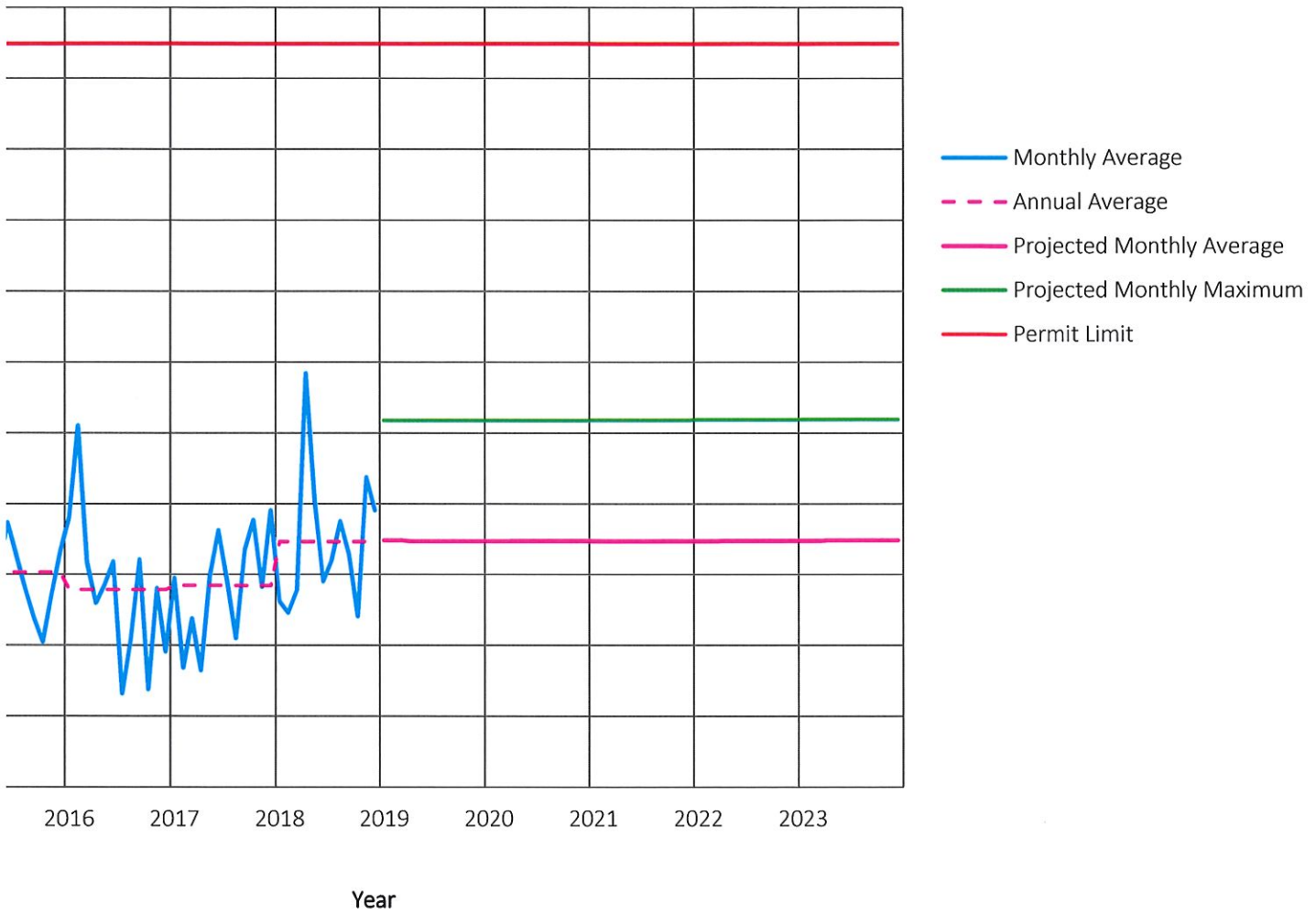
## **8.0 INDUSTRIAL WASTES**

Although there are presently no industrial waste contributors to the wastewater system, Chapter 188 of the Code of the Township of East Goshen addresses the strength of industrial wastes and permits only discharge of domestic strength. See Appendix E for a copy of the Township Ordinance.

# Chart 1 - Ridley Creek STP Hydraulic Loading



## Chart 2 - Ridley Creek STP Organic Loading





## Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of February 2019. Discharge to the Applebrook irrigation lagoon remained off line during February and March 2019. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. The fine screen was repaired and is functioning as intended. 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 February 2019 DMR.

**Table 1**

<b>February 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
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
	0.75	40		42							
Sample Date											
February 5, 2019	0.433	2.8	10.1	1	3.6	0.159	0.57	0.15	0.54	1	0.0000
February 7, 2019	0.468			2	7.8						
February 12, 2019	0.528	2.0	8.8	1	4.4	0.115	0.51	0.17	0.75	1	0.0000
February 14, 2019	0.521			1	4.3						
February 19, 2019	0.463	2.5	9.7	1	3.9	0.103	0.40	0.12	0.46	1	0.0000
February 22, 2019	0.465			2	7.8						
February 26, 2019	0.508	2.2	9.3	2	8.5	0.176	0.75	0.17	0.72	3	0.4771
Average	0.484	2.4	9.5	1	5.8	0.138	0.56	0.15	0.62	2	<b>0.1193</b>
Minimum	0.433	2.0	8.8	1	3.6	0.103	0.40	0.12	0.46	1	<b>0.0000</b>
Maximum	0.528	2.8	10.1	2	8.5	0.176	0.75	0.17	0.75	3	<b>0.4771</b>





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

There was no discharge to the Applebrook outfall 002 during February 2019.

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 February 2019.

**Table 2**

<b>February 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											
February 5, 2019	0.575		0		0		0		0		0.0
February 12, 2019	0.741	119	571	162	777	19.9	123	27.2	168	3.9	18.7
February 19, 2019	0.604	154	739	116	556	25.4	128	25.9	130	3.4	16.3
February 26, 2019	0.603	190	911	112	537	21.4	108	25.7	129	2.9	13.9
Average	0.631	154	555	130	468	22.2	90	26.3	107	3.4	12.2
Minimum	0.575	119	0	112	0	19.9	0	25.7	0	2.9	0.0
Maximum	0.741	190	911	162	777	25.4	128	27.2	168	3.9	18.7



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

**Table 3**

<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	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
	0.75	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											
March 26, 2019	0.494										
March 28, 2019											
Average	0.493	2.5	10.1	1	4.1	0.100	0.42	0.18	0.75	1	0.0000
Minimum	0.445	2.0	8.6	1	3.7	0.100	0.38	0.17	0.68	1	0.0000
Maximum	0.533	3.4	12.8	1	4.4	0.100	0.44	0.19	0.84	1	0.0000

During March, the final effluent outfall 001 monthly average flow to Ridley Creek was measured and recorded as 0.502 MGD. This represents approximately 67.0% of the facility's average daily design hydraulic loading of 0.750 MGD. This is an increase of 3.6 % as compared to the monthly average for February. During March, 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:

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





**RCSTP Monthly Operations  
Report:  
April 2019**

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.

There was no discharge to the Applebrook outfall 002 during March 2019.

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 March 2019

**Table 4**

Table 1

March 2019 - Influent Wastewater											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD 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											
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										
Average	0.613	135	699	126	655	16.5	84	24.0	121	3.1	16.3
Minimum	0.579	89	461	120	623	13.3	69	22.4	116	2.3	12.0
Maximum	0.629	199	1,034	138	717	18.7	91	26.8	129	4.2	21.8

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.

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.



**RCSTP Monthly Operations  
Report:  
April 2019**

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 March, there were nine (9) days when rainfall occurred. Four (4) 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 5.110 inches of rainfall measured during the month. These events occurred on:

March 1 <sup>st</sup>	0.55 inches
March 3 <sup>rd</sup>	1.00 inches
March 9 <sup>th</sup>	0.83 inches
March 21 <sup>st</sup>	1.90 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:**

March 2019	
Gallons of sludge dewatered	219,018
Number of dumpsters	4

*\*Sixteen (16) days of centrifuge operation*

A decrease of 40,575 gallons of sludge was dewatered during March as compared to February.



**RCSTP Monthly Operations  
Report:  
April 2019**

**Chemical Usage:**

March 2019		
Chemical	Daily Average	Total Monthly
Soda Ash	321	9,650
Aluminum Sulfate solution	51.6	1,600
Polymer (centrifuge)	0.85	13.6 gallons

\*Sixteen (16) days of centrifuge of operation

**Flow data:**

March 2019			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	17.280	639,991	826,490
Influent Wastewater to SBRs	20.070	647,424	848,256
Internal Recycle	0.461	20,971	51,514
Treated Effluent to Disc Filters	19.837	639,905	797,184
Final Effluent Discharge	15.577	502,484	646,000
Applebrook Golf Course	0	0	0

\*The flow data represented was collected from March 1<sup>st</sup> through March 28<sup>th</sup>. The flow measurements from the field flow meter are generally less than the flow measurements into the SBRs. The flow meter recorder was removed on March 29<sup>th</sup> for repair.

\*\*The internal recycle flow represent the available data from March 1<sup>st</sup> through March 28<sup>th</sup>.

**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

Replaced a sludge nozzle centrifuge.





### **Recommended Minor Maintenance Repairs**

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

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

#### **Utility Water Pump Number 1**

The pump was diagnosed and remain inoperable.

*Mark had the pump removed and delivered it to Deckman's for evaluation.*

#### **Utility Water Pneumatic tank**

The hydro pneumatic tank emits water out of the valve stem on the top when there should be air.

*Mark is investigating the pneumatic tank bladder issue.*

#### **Strainer located on piping above the final effluent composite sample**

On multiple occasions, the strainer has been found to “blow out” the O-ring and spray water everywhere. We don't think it's needed and suggest removing it and piping straight through.

*Mark ordered the parts to remove the strainer and replace with pipe.*

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

The gate valve on the centrifuge sludge feed line is leaking. If the Township's supplier has a repair kit for the valve we can make the repair or replace the valve is required.

*Mark will remove the gate valve in stock and deliver it to the plant replacement of the leaking gate valve.*

#### **Moyno pump for the centrifuge sludge feed**

The Moyno pump for the centrifuge sludge feed is leaking from the mechanical seal. The leak is very minimal and is manageable and can be scheduled for a later date. There is a replacement split seal in the cabinet.



If the Township desires, we can replace the seal, or you could have someone of your choosing repair it. The repair can be done in place. (FYI-the floor drain in that room has not drained properly since we started working here. A 5-gallon bucket of water will fill/overflow the drain, and it will take several hours to go down. We figured it may have been cut off during the upgrade.)

#### **UV System (specifically plugs)**

We have located a supplier to purchase the parts to replace the “burned out” plugs in the UV cabinet. One plug with new pins costs around \$150. The Township would need to get an on-line account with a company named Anixter. We can provide all of the needed information. There would be no labor charge as we would do it while we’re running the centrifuge.

#### **Old Fine Scree Auger Basket**

The new basket is a slight difference in the design as compared to the old one (added bracing). We’re not sure if there is any value in having the old auger basket reconditioned/rebuilt. We can contact the supplier for their advice.

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**March 11, 2019**

The East Goshen Township Municipal Authority held their regular public meeting on Monday, March 11, 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. Jon reported on the meeting with West Goshen on February 26, 2019. East Goshen's revised estimated cost is \$4,456,447 or about \$70,000 less than the last estimate in September and about \$25,000 less than the bond proceeds will provide for, not including any accrued interest. They are still using the funds we provided last year to pay our share of the costs. Phil will attend the April meeting.

**Sewer Reports**

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

Monthly Flows: The average daily flow to West Goshen was 950,000 gallons per day. No problems to report.

Meters: All meters were read on a daily basis with no problems to report. They have three portable meters on the exit lines from Bow Tree, which are being read on a daily basis.

C.C. Collection: They have been actively looking for INI. They have televised and repaired several severe leaks. One leak alone dropped the flow at the Ashbridge pump station by 28,000 gallons per day. The six manhole repairs showed another 16,000 gallons per day for a total of 44,000 gallons per day.

R.C. Collection: They did two additional point repairs. The estimated INI was 4,500 gallons per day.



1 Ridley Creek Plant: They cleaned the grit chamber in the screen room. The flow meter  
2 located in the field was recalibrated. They televised 5500 feet of pipe this month. They  
3 pulled manholes on both systems at night looking for INI. They have been repairing sewer  
4 lateral cleanouts. Pipe Data View was utilized to do manhole grouting on eight manholes on  
5 the Asshbridge system.

6 The Beale Township was very grateful for the generator donation.

7 They are going to check Bow Tree Phase 1. At Christine Lane they found a pipe that was  
8 flowing into the manhole which was fixed.

9 The beaver has built another dam in the creek at Supplee and water is over the manhole.

10 Alarms: We responded to 26 alarms for February.

11 Rainfall: February rainfall total was 2.5 inches.  
12  
13

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

15 Tallmadge Drive Sewer Main Replacement – This should be ready for paving in April. There are a  
16 few repairs they will have to make. Mike provided a punch list of items to be done. It will have to be  
17 re-televised. Mark commented that Public Works will have to do curb work before the paving.

18 INI Report - They analyzed data from the three portable meters in Bow Tree. Two were okay. The  
19 one at Achom Way showed a continuous flow and had an increase during a .55" rain storm.

20 Chapter 94 reports: They submitted Chapter 94 reports to Westtown and West Goshen. The average  
21 daily East Goshen flow to West Goshen was 781,000 gpd for 2018. Actual flow rate in 2018 was 221  
22 gpd/EDU well below capacity.

23 They have documented some changes that they recommend to the Township Sewer Ordinance.  
24

25 **3. Big Fish Environmental Services** – Kevin had no concerns about Scott's report which showed  
26 that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit  
27 discharge limitations for the month of February 2019. There was discussion about Internal Recycle.  
28

## 29 **Approval of Minutes**

30 The minutes of the February 11, 2019 meeting were approved as amended. It was agreed that the  
31 minutes will contain a summary of the Public Works, Pennoni and Big Fish reports. The actual  
32 reports will be attached to the minutes.  
33

## 34 **Approval of Invoices**

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

36	Pennoni invoice #847705	\$ 2,386.13
37	Pennoni invoice #847706	\$ 2,949.25
38	Pennoni invoice #847707	\$ 1,729.75
39	Pennoni invoice #847708	\$ 805.25
40	Pennoni invoice #847709	\$ 2,766.50
41	Pennoni invoice #847710	\$ 2,483.25

42 Phil seconded the motion. The motion passed unanimously.

43 2. Walter moved to approve payment of the Gawthrop invoice #204628 for \$620.00. Kevin  
44 seconded the motion. The motion passed unanimously.  
45  
46

1 **Liaison Reports**

2 **Conservancy Board** – Walter mentioned the Marydell Pond project. Jon reported that they invited all  
3 residents to the meeting. They will present the proposal to the BOS on March 19<sup>th</sup>. Dredging has  
4 been delayed because of the extremely wet weather.

5 Keep East Goshen Beautiful Day is scheduled for Saturday April 13. Areas to cleanup were  
6 discussed. Blossenski does some regular street cleanup for the Township.  
7

8 **Financial Reports**

9 Jon Altshul provided the following written report:

10 In February, the Municipal Authority recorded \$37,581 in revenues (including a \$34,588 transfer  
11 from Sewer Operating for, among other expenses, Tallmadge Drive and the Barkway Muffin Monster  
12 engineering and a \$2,161 transfer from Sewer Capital for the Hershey's Mill P/S generator  
13 engineering) and \$36,749 in expenses, for a positive variance of \$832. As of February 28<sup>th</sup>, the fund  
14 balance was \$27,749.  
15

16 **Goals**

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

18 a. remove the names of attendees (Jack and Phil) to the West Goshen meetings.

19 c. Remove this goal

20 add d. Continue to run the plant to DEP permit requirements.  
21

22 **New Business**

23 1. Semi-Annual Sewer System Status Report #18 – Flows in Ridley were up more than West  
24 Goshen. They increased 22% in 2018. Precipitation was double the previous year 2017. They are  
25 starting to meter Chester Creek, have meters in Bow Tree, along Line Road, etc. Getting good data.  
26

27 **Any Other Matter**

28 1. Kevin saw information on grants in the Municipal Authority magazine and gave it to Jon.

29 2. Jack commented on the Flushable Wipes article, which mentions that manufactures are being sued  
30 because the wipes aren't really flushable.

31 3. Kevin acknowledged the Township letter regarding a request from PECO for another building at  
32 the Hershey's Mill location.  
33

34 **Adjournment**

35 There being no further business, Jack moved to adjourn the meeting. Phil seconded the motion. The  
36 meeting was adjourned at 8:00 p.m. The next regular meeting will be held on Monday, April 8, 2019  
37 at 7:00 pm.  
38

39 Respectfully submitted,  
40

41  
42 Ruth Kiefer  
43 Recording Secretary  
44

45 Attachments



# 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 # : 852270  
Invoice Date : 04/04/2019  
Project : EGMAU17006  
Project Name : Barkway PS Muffin Monster

---

For Services Rendered through: 3/17/2019

Reviewed TV inspection video of upstream pipe to determine location of apparent gravity sewer pipe bend and impact on proposed manhole location, revised plans to adjust grade elevations of manhole, and coordinated with vendor for revised details.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
**** -- Professional Services	\$16,000.00	\$15,183.08	96.75%	\$15,480.48	\$297.40
Total :	\$16,000.00	\$15,183.08		\$15,480.48	\$297.40

Amount Due This Invoice

---

\$297.40

OK  
J. [signature]  
4/5/19

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

**Project:** EGMAU17006  
**Penroni Job No.:** Barkway PS Muffin Monster  
**Invoice No:** 852270  
**Invoice Period:** 2/25/2019 to 3/17/2019  
**Initial Authorization:** \$ 9,000.00 **Date:** 4/4/2019  
**Contract Amount:** \$ 16,000.00  
**Previously Invoiced:** \$ 15,183.08  
**Current Invoice:** \$ 297.40  
**Invoiced to Date (\$):** \$ 15,480.48  
**Invoiced to Date (%):** 97%  
**Remaining Budget (\$):** \$ 519.52  
**Remaining Budget (%):** 3%

**Budget by Phase:**

**Phase Name:** Barkway PS Muffin Monster  
**Phase Budget:** \$ 16,000.00  
**Previously Invoiced:** \$ 15,183.08  
**Current Invoice:** \$ 297.40  
**Invoiced to Date (\$):** \$ 15,480.48  
**Invoiced to Date (%):** 97%  
**Remaining Budget (\$):** \$ 519.52  
**Remaining Budget (%):** 3%

**Comments:** Reviewed TV inspection video of upstream pipe to determine location of apparent gravity sewer pipe bend and impact on proposed manhole location, revised plans to adjust grade elevations of manhole, and coordinated with vendor for revised details.



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**Philadelphia, PA 19182-7328**

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

Invoice # : 852271  
Invoice Date : 04/04/2019  
Project : EGMAU18004  
Project Name : Tallmadge Dr Sewer Constr Phase

For Services Rendered through: 3/17/2019

Phase 01 - Construction phase services related to pipe and manhole deficiencies and associated re-work: submitted punchlist to the contractor, coordinated scope and schedule of punchlist repairs with the contractor and Township including final TV inspection and associated bypass pumping requirements, and performed a field visit in preparation for the repair work and to check site conditions after a snow event.

**Phase : 01 -- Deficiency Assistance**

**Total Phase : 01 -- Deficiency Assistance**

**Labor : 141.25**  
**Expense : 0.00**  
**Phase Total : 141.25**

**Amount Due This Invoice**

**\$141.25**

**Fee :** 9,000.00  
**Prior Billings :** 19,976.25  
**Current Billings :** 141.25  
**Total Billings :** 20,117.50

**Phase : 01 -- Deficiency Assistance**

**Labor**

<i>Class</i>	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Authority Engineer	0.75	127.00	95.25
Sr. Engineering Technician	0.50	92.00	46.00
<b>Labor Total:</b>	<b>1.25</b>		<b>141.25</b>

**Total Phase : 01 -- Deficiency Assistance**

**Labor : \$141.25**  
**Expense : \$0.00**

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

**Labor : \$141.25**  
**Expense : \$0.00**

OK  
for 4/5/19

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

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

**Project:** EGMAU18004  
**Pennoni Job No.:** Tallmadge Drive Sewer Construction Phase  
**Invoice No:** 852271  
**Invoice Period:** 2/25/2019 to 3/17/2019  
**Initial Authorization:** \$ 9,000.00 **Date:** 4/4/2019  
**Contract Amount:** \$ 9,000.00  
**Previously Invoiced:** \$ 19,976.25  
**Current Invoice:** \$ 141.25  
**Invoiced to Date (\$):** \$ 20,117.50  
**Invoiced to Date (%):** 224%  
**Remaining Budget (\$):** \$ (11,117.50)  
**Remaining Budget (%):** -124%

**Budget by Phase:**

**Phase Name:** Tallmadge Drive Sewer Construction Phase  
**Phase Budget:** \$ 9,000.00  
**Previously Invoiced:** \$ 12,992.00  
**Current Invoice:** \$ -  
**Invoiced to Date (\$):** \$ 12,992.00  
**Invoiced to Date (%):** 144%  
**Remaining Budget (\$):** \$ (3,992.00)  
**Remaining Budget (%):** -44%

**Phase Name:** Deficiency Assistance  
**Phase Budget:** \$ -  
**Previously Invoiced:** \$ 6,984.25  
**Current Invoice:** \$ 141.25  
**Invoiced to Date (\$):** \$ 7,125.50  
**Invoiced to Date (%):** 0%  
**Remaining Budget (\$):** \$ (7,125.50)  
**Remaining Budget (%):** 0%

**Comments:** Phase 01 - Construction phase services related to pipe and manhole deficiencies and associated re-work: submitted punchlist to the contractor, coordinated scope and schedule of punchlist repairs with the contractor and Township including final TV inspection and associated bypass pumping requirements, and performed a field visit in preparation for the repair work and to check site conditions after a snow event.



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

Invoice # : 852272  
Invoice Date : 04/04/2019  
Project : EGMAU19001  
Project Name : 2019 General Services

For Services Rendered through: 3/17/2019

March Engineer's Report; prepared for and attended March Municipal Authority meeting; and initiated contractor scoping and costing for Chester Creek interceptor investigation with TV vs. laser & sonar technology.

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

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

Labor :	560.75
Expense :	0.00
Phase Total :	560.75

Amount Due This Invoice

\$560.75

Fee :	27,000.00
Prior Billings :	1,527.25
Current Billings :	560.75
Total Billings :	2,088.00

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	4.25	127.00	539.75
Engineering Technician	0.25	84.00	21.00
<b>Labor Total:</b>	<b>4.50</b>		<b>560.75</b>

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

Labor :	\$560.75
Expense :	\$0.00

Total Project : EGMAU19001 -- 2019 General Services

Labor :	\$560.75
Expense :	\$0.00

*Jon* *DA*  
4/5/19

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

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

**Project:** EGMAU19001  
**Pennoni Job No.:** 2019 General Services  
**Invoice No:** 852272  
**Invoice Period:** 2/24/2019 to 3/17/2019  
**Date:** 4/4/2019  
**Initial Authorization:** \$ 27,000.00  
**Contract Amount:** \$ 27,000.00  
**Previously Invoiced:** \$ 1,527.25  
**Current Invoice:** \$ 560.75  
**Invoiced to Date (\$):** \$ 2,088.00  
**Invoiced to Date (%):** 8%  
**Remaining Budget (\$):** \$ 24,912.00  
**Remaining Budget (%):** 92%

**Budget by Phase:**

**Phase Name:** 2019 General Services  
**Phase Budget:** \$ 27,000.00  
**Previously Invoiced:** \$ 1,527.25  
**Current Invoice:** \$ 560.75  
**Invoiced to Date (\$):** \$ 2,088.00  
**Invoiced to Date (%):** 8%  
**Remaining Budget (\$):** \$ 24,912.00  
**Remaining Budget (%):** 92%

**Comments:** March Engineer's Report; prepared for and attended March Municipal Authority meeting; and initiated contractor scoping and costing for Chester Creek interceptor investigation with TV vs. laser & sonar technology.





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

Invoice #: 852273  
Invoice Date: 04/04/2019  
Project: EGMAU19002  
Project Name: 2019 I&I Support and Reports

---

For Services Rendered through: 3/17/2019

Weekly analysis of portable metering in Bow Tree, and summary emails and discussions with PW Director.

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

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

Labor : 910.75  
Expense : 0.00  
Phase Total : 910.75

Amount Due This Invoice

\$910.75

Fee : 11,000.00  
Prior Billings : 3,589.00  
Current Billings : 910.75  
Total Billings : 4,499.75

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

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	1.25	127.00	158.75
Associate Professional	8.00	94.00	752.00
<b>Labor Total:</b>	<b>9.25</b>		<b>910.75</b>

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

Labor : \$910.75  
Expense : \$0.00

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

Labor : \$910.75  
Expense : \$0.00

*Jon* *4/5/19*

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

**Project:** EGMAU19002  
**Pennoni Job No.:** 2019 I&I Support and Reports  
**Invoice No:** 852273  
**Invoice Period:** 2/25/2019 to 3/17/2019  
**Initial Authorization:** \$ 11,000.00 **Date:** 4/4/2019  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 3,589.00  
**Current Invoice:** \$ 910.75  
**Invoiced to Date (\$):** \$ 4,499.75  
**Invoiced to Date (%):** 41%  
**Remaining Budget (\$):** \$ 6,500.25  
**Remaining Budget (%):** 59%

**Budget by Phase:**

**Phase Name:** 2019 I&I Support and Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 3,589.00  
**Current Invoice:** \$ 910.75  
**Invoiced to Date (\$):** \$ 4,499.75  
**Invoiced to Date (%):** 41%  
**Remaining Budget (\$):** \$ 6,500.25  
**Remaining Budget (%):** 59%

**Comments:** Weekly analysis of portable metering in Bow Tree, and summary emails and discussions with PW Director.



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

Invoice # : 852274  
Invoice Date : 04/04/2019  
Project : EGMAU19003  
Project Name : 2018 Chapter 94 Reports

For Services Rendered through: 3/17/2019

Finalized and submitted the West Goshen Service Area Chapter 94 Report to East Goshen Township and West Goshen Township. Continued data analysis and preparation of Ridley Creek STP Chapter 94 Report.

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

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

Labor : 1,403.75  
Expense : 0.00  
Phase Total : 1,403.75

Amount Due This Invoice

\$1,403.75

Fee : 11,000.00  
Prior Billings : 6,108.75  
Current Billings : 1,403.75  
Total Billings : 7,512.50

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	5.50	127.00	698.50
Senior Professional	0.25	121.00	30.25
Associate Professional	4.50	94.00	423.00
Engineering Technician	3.00	84.00	252.00
<b>Labor Total:</b>	<b>13.25</b>		<b>1,403.75</b>

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

Labor : \$1,403.75  
Expense : \$0.00

Total Project : EGMAU19003 -- 2018 Chapter 94 Reports

Labor : \$1,403.75  
Expense : \$0.00

*Jan det*  
*4/5/19*

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 4/4/2019

**Project:** EGMAU19003  
**Pennoni Job No.:** 2019 Chapter 94 Reports  
**Invoice No:** 852274  
**Invoice Period:** 2/25/2019 to 3/17/2019  
**Initial Authorization:** \$ 11,000.00 **Date:** 4/4/2019  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ 6,108.75  
**Current Invoice:** \$ 1,403.75  
**Invoiced to Date (\$):** \$ 7,512.50  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 3,487.50  
**Remaining Budget (%):** 32%

**Budget by Phase:**

**Phase Name:** 2019 Chapter 94 Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ 6,108.75  
**Current Invoice:** \$ 1,403.75  
**Invoiced to Date (\$):** \$ 7,512.50  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 3,487.50  
**Remaining Budget (%):** 32%

**Comments:** Finalized and submitted the West Goshen Service Area Chapter 94 Report to East Goshen Township and West Goshen Township. Continued data analysis and preparation of Ridley Creek STP Chapter 94 Report.



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  
03/11/2019  
Client No: 6604-001M  
Invoice No: 205694

General Authority Services

Fees

		Hours	
02/11/2019			
PMM	Preparation for and attend meeting of the Board.	1.30	
	For Current Services Rendered	1.30	260.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna	1.30	\$200.00	\$260.00
Previous Balance			\$620.00
Total Current Charges			260.00
02/21/2019	Payment		-620.00
Balance Due			<u>\$260.00</u>

OK TO  
PAY  
*[Signature]*  
3/12/19

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.



Gawthrop Greenwood, PC  
*Attorneys at Law*

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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
03/11/2019  
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services				
620.00	260.00	0.00	-620.00	<u>\$260.00</u>

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



April 5, 2019

EGMAU18004

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

**RE: Payment Application No. 3 (FINAL) Recommendation Letter  
Tallmadge Drive Sewer Replacement, Contract No. TD-2018-2**

Dear Mr. Smith:

The Contractor, Iron Eagle Excavating, Inc., has submitted a third and final invoice for work on this project. The invoice is for \$20,403.70.

The invoice value reflects Change Order #1 (enclosed), which formalizes as-built quantity changes for unit price bid items. The Change Order #1 reflects a net decrease of \$300.00 to the contract value. Additionally, the invoice amount includes a charge of \$500.00 to the Contractor for curb repairs to be contracted separate by the Township at the Contractor's expense.

As project background, initial work on this project was completed in December 2018, at which time pipe televising and manhole vacuum testing were performed, and a number of deficiencies were observed. At that time, 50% of the contract value was paid to the Contractor, with additional payments to be made upon correction of deficiencies. In January 2019 the Contractor performed repairs to correct the noted deficiencies, in particular to repair severe sags in the pipe. The work was inspected and an additional 25% of the contract value was released to the Contractor for accepted repairs. Minor deficiencies remained to be addressed, including minor sags, parging the new manhole R-033 in order to pass a vacuum test, and repair leaks in the existing manhole R-032, among other restoration punch list items. It was agreed that the remaining minor sags would be re-evaluated in March 2019 and if their condition had changed, additional repair work would be required prior to additional payments. The sanitary pipes were re-televised in April 2018 and there were no apparent changes to the minor sags. Additionally, manhole R-033 was repaired and passed a vacuum test, leaks in manhole R-032 were repaired, and other punch list work was completed.

At this time, all contract work and punch list repairs have been completed by the Contractor. We therefore recommend approval of payment in the amount of \$20,403.70 to close out the project.

Additionally, the Statement of Surety and Contractor's Release are attached. The 2-year Maintenance Bond was provided at the beginning of the project. The 2-year maintenance period began at the date of acceptance, which was March 21, 2019. Final Prevailing Wage Certifications have also been received and will be provided under separate cover.

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

Sincerely,

**PENNONI ASSOCIATES INC.**

A handwritten signature in blue ink, appearing to read "MJ Ellis".

Michael J. Ellis, PE  
Authority Engineer

/edj

Enclosures:    Change Order #1  
                    Invoice #107 (April 4, 2019)  
                    Payment Application #3 (FINAL) Tabulation  
                    Statement of Surety  
                    Contractor's Release

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

U:\Accounts\EGMAU\EGMAU18004 - Tallmadge Dr Sewer Constr Phase\CONSTRUCTION\PAY APPS\Pay App 3\Payment App #3 Recommendation Ltr  
2019.04.05.docx



## CONTRACT CHANGE ORDER

CONTRACT NO.:	<u>TD-2018-02</u>	DATE:	<u>4-Apr-19</u>
	<u>Tallmadge Drive Sewer Replacement</u>	PROJECT NO.:	<u>EGMAU18004</u>
CHANGE ORDER NO.:	<u>1</u>	LOCATION:	<u>East Goshen Township</u>
TO: (Contractor)	<u>Iron Eagle Excavating</u>		<u>Chester County, Pennsylvania</u>

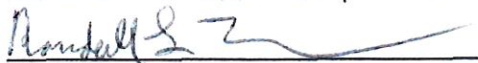
You are hereby requested to comply with the following changes from the contract plans and specifications.

ITEM NO. (1)	DESCRIPTION OF CHANGES-QUANTITIES,UNITS,UNIT PRICES,CHANGES IN COMPLETION SCHEDULE, ETC. (2)	DECREASE IN CONTRACT PRICE (3)	INCREASE IN CONTRACT PRICE (4)
1	The following Bid Item estimated quantity is increased:  7. Miscellaneous Excavation and Backfill is increased to 105 CY		\$850.00
2	The following Bid Items are eliminated from the contract:  6. Demolition of Drop Connection Concrete Encasement  8. 75 CY of Rock Removal	\$400.00  \$750.00	
CHANGE IN CONTRACT PRICE DUE TO THIS CHANGE ORDER			
TOTAL DECREASE		\$1,150.00	
TOTAL INCREASE			\$850.00
NET (INCREASE/DECREASE) CONTRACT PRICE (DIFFERENCE BETWEEN COL. (3) AND (4))		\$300.00	

The sum of \$300.00 is hereby deducted from the total contract price, and the total adjusted contract price to date is thereby \$84,661.50.


The time provided for completion in the contract is extended to April 30th, 2017.  
This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

Accepted by:

  
Contractor

4/4/19  
Date

Recommended by:

  
Engineer

4/5/19  
Date

Approved by:

\_\_\_\_\_  
Owner

\_\_\_\_\_  
Date

Payment Application 3 (FINAL) Tabulation

Contract No. TD-2018-2: Tallmadge Drive Sewer Replacement

Payment Application 3 (FINAL) Tabulation												
Contract No. TD-2018-2: Tallmadge Drive Sewer Replacement												
ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY/UNIT	Iron Eagle Excavating			QUANTITY REQUIRED	QUANTITY PAID	QUANTITY REMAINING	AMOUNT PAID	AMOUNT REMAINING	PERCENT REMAINING	COMMENT
BASE BID												
1	Sanitary Sewer Bypass Pumping and Flow Control	1	L.S.	\$4,500.00		1.00	1.00	0.00	\$4,500.00	\$0.00	0.00%	Pay in full
2	Furnish and Install Precast Concrete Manhole	1	EA.	\$6,500.00		1.00	1.00	0.00	\$6,500.00	\$0.00	0.00%	Pay in full
3	Furnish and Install 8" Dia. SDR26 PVC Gravity Sewer Pipe	527	L.F.	\$124.50	\$65,611.50	527	527	0	\$65,611.50	\$0.00	0.00%	Pay in full
4	Furnish and Install 4" Dia. SDR26 PVC Sewer Lateral	40	L.F.	\$100.00	\$4,000.00	40	40	0	\$4,000.00	\$0.00	0.00%	Pay in full
5	Connection to Existing Sanitary Sewer Manholes	1	L.S.	\$3,000.00	\$3,000.00	1.00	1.00	0.00	\$3,000.00	\$0.00	0.00%	Pay in full
6	Demolition of Drop Connection Concrete Encasement	1	C.Y.	\$400.00	\$400.00	0	0	0	\$0.00	\$0.00	0.00%	Removed from Contract
7	Miscellaneous Excavation and Backfill	20	C.Y.	\$10.00	\$200.00	105	105	0	\$1,050.00	\$0.00	0.00%	Pay in full + Additional Quantity
8	Rock Removal	75	C.Y.	\$10.00	\$750.00	0	0	0	\$0.00	\$0.00	0.00%	Removed from Contract
TOTAL BASE BID					\$84,961.50				\$84,961.50	\$0.00	0.00%	
(BASED ON ESTIMATED QUANTITIES)												

(\$300.00) Change Order #1 Net Contract Change

\$0.00 10% Retainage of Amount Completed (Paid)

\$84,661.50 100% Completion Payout Value

\$63,757.80 Previously Paid

\$500.00 Amount Billed to Contractor for Curb Restoration

**\$20,403.70 Payment this Application #3 (FINAL)**

\$0.00 Amount Remaining Including Retainage

Iron Eagle Excavating

35 ann street  
Highspire, PA 17034

# Invoice

Date	Invoice #
4/4/2019	107

Bill To
East Goshen Township

Item	Date	Description	Job site	Rate	Hours	Amount
Excavating	4/4/2019	Sanitary Sewer Bypass Pumping and Flow Control	Tallmadge Drive	4,500.00		4,500.00
Excavating	4/4/2019	Furnish and Install Precast Manhole	Tallmadge Drive	6,500.00		6,500.00
Excavating	4/4/2019	Furnish and Install 4" Dia. SDR26 PVC Sewer Lateral	Tallmadge Drive	4,000.00		4,000.00
Excavating	4/4/2019	Furnish and Install 8" Dia. SDR26 PVC Gravity Sewer Pipe	Tallmadge Drive	65,611.50		65,611.50
Excavating	4/4/2019	Connection to Existing Manholes	Tallmadge Drive	3,000.00		3,000.00
Excavating	4/4/2019	Miscellaneous Excavation and Backfill	Tallmadge Drive	1,050.00		1,050.00
Excavating	4/4/2019	Previously Paid 1	Tallmadge Drive	-42,431.40		-42,431.40
Excavating	4/4/2019	Previously Paid 2	Tallmadge Drive	-21,326.40		-21,326.40
Excavating	4/4/2019	Curb Repair	Tallmadge Drive	-500.00		-500.00
				<b>Total</b>		\$20,403.70

Tallmadge Drive Sewer Replacement  
Contract No. TD-2018-2

(TO BE COMPLETED AFTER CONSTRUCTION)

I. CONTRACTOR'S RELEASE

KNOW ALL MEN BY THESE PRESENTS THAT: Iron Eagle Excavating

(Contractor)

of Boulton County and State of Pennsylvania

does hereby acknowledge that he has received this day of and from the East Goshen Municipal Authority  
(Owner)

the sum of ONE DOLLAR (\$1.00) and other valuable consideration in full satisfaction

and payment of all sums of money owing payable and belonging to Iron Eagle Excavating

(Contractor)

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

the CONTRACT, between the said East Goshen Municipal Authority  
(Owner)

and Iron Eagle Excavating  
(Contractor)

dated 4/1/19

NOW THEREFORE, the said Iron Eagle Excavating  
(Contractor)

(for myself, my heirs, executors and administrators) (for itself, its successors and assigns) do by these presents remise, release, quit-claim and forever discharge the said East Goshen Municipal Authority  
(Owner)

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

CONTRACT dated 4/1/19 and of and from all, and all manner of action and

actions, cause and causes of action and actions, suits, debts, dues, duties, sum and sums of money, accounts,

reckonings, bonds, bills, specialties, covenants, contracts, agreements, promises, variances, damages,

judgments, extents executions, claims and demand, whatsoever, in law or equity, or otherwise which against

the said East Goshen Municipal Authority (Owner) its successors and assigns, ever had, now have, or



Tallmadge Drive Sewer Replacement  
Contract No. TD-2018-2

(TO BE COMPLETED AFTER CONSTRUCTION)

Bond No. 608-100097-5

J. STATEMENT OF SURETY COMPANY

IN ACCORDANCE with the provisions of the CONTRACT dated September 24, 2018

between East Goshen Municipal Authority  
(Owner)

and Iron Eagle Excavating, 35 Ann Street, Highspire, PA 17034  
(Contractor)

the United States Fire Insurance Company, 1209 Orange Street, Wilmington, DE 19801  
(Surety)

SURETY on the Material and Labor

Payment BOND of Iron Eagle Excavating  
(Contractor)

after a careful examination of the books and records of said CONTRACTOR or after receipt of an affidavit from CONTRACTOR, which examination of affidavit satisfies SURETY that all claims for labor and materials have been satisfactorily settled, hereby approved of the final payment to the said

Iron Eagle Excavating,

CONTRACTOR and by these presents witnesseth that payment to the CONTRACTOR of the final estimates shall not relieve SURETY of any of its obligations to \_\_\_\_\_

East Goshen Municipal Authority, as  
(Owner)

set forth in the said SURETY COMPANY'S BOND.

IN WITNESS WHEREOF, said SURETY has hereunto set its hand and seal this

29th day of March, 2019.

ATTEST: United States Fire Insurance Company

(SEAL) Kimberly Burton BY John R. Walte, Jr.  
Kimberly Burton, Witness Attorney-in-Fact ~~President~~

NOTE: This statement, if executed by any person other than the President or Vice President of the Company, must be accompanied by a certificate of even date showing authority conferred upon the person so signing to execute such instruments on behalf of the Company represented.

**POWER OF ATTORNEY  
UNITED STATES FIRE INSURANCE COMPANY  
PRINCIPAL OFFICE - MORRISTOWN, NEW JERSEY**

01300405319

**KNOW ALL MEN BY THESE PRESENTS:** That United States Fire Insurance Company, a corporation duly organized and existing under the laws of the state of Delaware, has made, constituted and appointed, and does hereby make, constitute and appoint:

*William L. Rushton, John R. Waite Jr., Melissa Mattox, Kimberly Burton, Vincent Giorgio*

each, its true and lawful Attorney(s)-In-Fact, with full power and authority hereby conferred in its name, place and stead, to execute, acknowledge and deliver: Any and all bonds and undertakings of surety and other documents that the ordinary course of surety business may require, and to bind United States Fire Insurance Company thereby as fully and to the same extent as if such bonds or undertakings had been duly executed and acknowledged by the regularly elected officers of United States Fire Insurance Company at its principal office, in amounts or penalties not exceeding: **Seven Million, Five Hundred Thousand Dollars (\$7,500,000)**.

This Power of Attorney limits the act of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind United States Fire Insurance Company except in the manner and to the extent therein stated.

This Power of Attorney revokes all previous Powers of Attorney issued on behalf of the Attorneys-In-Fact named above and expires on January 31, 2020.

This Power of Attorney is granted pursuant to Article IV of the By-Laws of United States Fire Insurance Company as now in full force and effect, and consistent with Article III thereof, which Articles provide, in pertinent part:

Article IV, Execution of Instruments - Except as the Board of Directors may authorize by resolution, the Chairman of the Board, President, any Vice-President, any Assistant Vice President, the Secretary, or any Assistant Secretary shall have power on behalf of the Corporation:

(a) to execute, affix the corporate seal manually or by facsimile to, acknowledge, verify and deliver any contracts, obligations, instruments and documents whatsoever in connection with its business including, without limiting the foregoing, any bonds, guarantees, undertakings, recognizances, powers of attorney or revocations of any powers of attorney, stipulations, policies of insurance, deeds, leases, mortgages, releases, satisfactions and agency agreements;

(b) to appoint, in writing, one or more persons for any or all of the purposes mentioned in the preceding paragraph (a), including affixing the seal of the Corporation.

Article III, Officers, Section 3.11, Facsimile Signatures. The signature of any officer authorized by the Corporation to sign any bonds, guarantees, undertakings, recognizances, stipulations, powers of attorney or revocations of any powers of attorney and policies of insurance issued by the Corporation may be printed, facsimile, lithographed or otherwise produced. In addition, if and as authorized by the Board of Directors, dividend warrants or checks, or other numerous instruments similar to one another in form, may be signed by the facsimile signature or signatures, lithographed or otherwise produced, of such officer or officers of the Corporation as from time to time may be authorized to sign such instruments on behalf of the Corporation. The Corporation may continue to use for the purposes herein stated the facsimile signature of any person or persons who shall have been such officer or officers of the Corporation, notwithstanding the fact that he may have ceased to be such at the time when such instruments shall be issued.

**IN WITNESS WHEREOF**, United States Fire Insurance Company has caused these presents to be signed and attested by its appropriate officer and its corporate seal hereunto affixed this 25<sup>th</sup> day of March, 2019.

**UNITED STATES FIRE INSURANCE COMPANY**



Anthony R. Slimowicz, Executive Vice President

State of New Jersey }  
County of Morris }

On this 25<sup>th</sup> day of March 2019, before me, a Notary public of the State of New Jersey, came the above named officer of United States Fire Insurance Company, to me personally known to be the individual and officer described herein, and acknowledged that he executed the foregoing instrument and affixed the seal of United States Fire Insurance Company thereto by the authority of his office.

**SONIA SCALA**  
NOTARY PUBLIC STATE OF NEW JERSEY  
NO. 2163686

Sonia Scala

(Notary Public)

MY COMMISSION EXPIRES 3/25/2024

I, the undersigned officer of United States Fire Insurance Company, a Delaware corporation, do hereby certify that the original Power of Attorney of which the foregoing is a full, true and correct copy is still in force and effect and has not been revoked.

**IN WITNESS WHEREOF**, I have hereunto set my hand and affixed the corporate seal of United States Fire Insurance Company on the 29<sup>th</sup> day of March 2019

**UNITED STATES FIRE INSURANCE COMPANY**





UNITED STATES FIRE INSURANCE COMPANY  
1209 ORANGE STREET, WILMINGTON, DELAWARE 19801

STATEMENT OF ASSETS, LIABILITIES, SURPLUS AND OTHER FUNDS

AT DECEMBER 31, 2018

ASSETS	
Bonds (Amortized Value).....	1,575,095,694
Preferred Stocks (Market Value).....	2,500,000
Common Stocks (Market Value).....	1,163,841,710
Mortgage Loans (Market Value).....	3,510,000
Cash, Cash Equivalents, and Short Term Investments.....	477,327,351
Derivatives.....	23,002,739
Other Invested Assets.....	216,475,684
Investment Income Due and Accrued.....	8,006,764
Premiums and Considerations.....	195,195,701
Amounts Recoverable from Reinsurers.....	31,104,247
Funds Held by or Deposited with Reinsured Companies.....	4,482,823
Current Income Taxes Recoverable.....	1,966,565
Net Deferred Tax Asset.....	161,021,872
Electronic Data Processing Equipment.....	4,043,042
Receivables from Parent, Subsidiaries and Affiliates.....	138,140,008
Other Assets.....	80,113,770
<b>TOTAL ASSETS</b> .....	<b>\$ 4,085,827,970</b>

LIABILITIES, SURPLUS & OTHER FUNDS

Losses (Reported Losses Net of Reinsurance Ceded and Incurred But Not Reported Losses).....	1,559,822,684
Reinsurance Payable on Paid Losses and Loss Adjustment Expenses.....	41,178,534
Loss Adjustment Expenses.....	386,839,696
Commissions Payable, Contingent Commissions and Other Similar Charges.....	3,516,082
Other Expenses (Excluding Taxes, Licenses and Fees).....	48,794,043
Taxes, Licenses and Fees (Excluding Federal Income Taxes).....	20,335,069
Unearned Premiums.....	517,688,148
Advance Premium.....	5,194,006
Ceded Reinsurance Premiums Payable.....	23,630,611
Funds Held by Company under Reinsurance Treaties.....	20,864,701
Amounts Withheld by Company for Account of Others.....	76,666,809
Provision for Reinsurance.....	627,927
Payable to Parent, Subsidiaries and Affiliates.....	10,488,505
Other Liabilities.....	52,539,781
<b>TOTAL LIABILITIES</b> .....	<b>\$ 2,768,186,596</b>
Common Capital Stock.....	13,560,000
Gross Paid In and Contributed Surplus.....	1,246,294,940
Unassigned Funds (Surplus).....	57,786,434
Surplus as Regards Policyholders.....	1,317,641,374
<b>TOTAL LIABILITIES, SURPLUS &amp; OTHER FUNDS</b> .....	<b>\$ 4,085,827,970</b>

I, Carmine Scaglione, Senior Vice President and Controller of UNITED STATES FIRE INSURANCE COMPANY, certify that the foregoing is a fair statement of Assets, Liabilities, Surplus and Other Funds of this Company, at the close of business, December 31, 2018, as reflected by its books and records and as reported in its statement on file with the Insurance Department of the State of Delaware.



IN TESTIMONY WHEREOF, I have set my hand and affixed the seal of the Company, this 5th day of March, 2019  
UNITED STATES FIRE INSURANCE COMPANY



# Memo

---

To: Municipal Authority  
From: Jon Altshul  
Re: MA March Financial Report  
Date: April 5, 2019

---

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

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

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	
07341-1000	INTEREST EARNINGS	1901 JE		\$0.00	\$1.06	2/4/2019	INTEREST	INTEREST EARNED JANUARY 2019		7100.1035
07341-1000	INTEREST EARNINGS	1902 JE		\$15.00	\$0.00	2/4/2019	REIMBURSE	REIMBURSE S/R FOR JANUARY 20: BANK FEES		
07341-1000	INTEREST EARNINGS	1902 JE		\$0.00	\$0.66	3/4/2019	INTEREST	INTEREST EARNED FEB.2019		7100.1035
07341-1000	INTEREST EARNINGS	1903 JE		\$0.00	\$0.62	3/31/2019	INTEREST	INTEREST EARNED MARCH 2019		7100.1035
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 CON		
07364-1130	CONNECTION FEES - SEWER	1902 JE		\$141.12	\$0.00	2/1/2019	PINE ROCK	ANNUAL PINE ROCK - INTEREST	PMT - STOFFLET	
07364-1130	CONNECTION FEES - SEWER	1902 JE		\$141.12	\$0.00	2/11/2019	2019	ANNUAL PINE ROCK INTEREST PM JACOBS		
07364-1130	CONNECTION FEES - SEWER	1902 JE		\$141.12	\$0.00	2/19/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMEN' RC210		
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	
07380-1000	MISCELLANEOUS REVENUE	1902 JE		\$0.00	\$141.12	2/11/2019	2019	ANNUAL PINE ROCK INTEREST PM JACOBS		
07380-1000	MISCELLANEOUS REVENUE	1902 JE		\$0.00	\$141.12	2/19/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMEN' RC210		
07380-1000	MISCELLANEOUS REVENUE	1902 RE		\$0.00	\$1.00	2/19/2019	66923 1	SALE OF GENERATOR TO BEALE TV MISCELLANEOUS REVENUE		
07392-0500	BEGINNING BALANCE									
07392-0500	TRANSFER FROM SEWER OPERATING	1901 JE		\$0.00	\$57,399.61	1/15/2019	XFER	XFER FR: SEWER TO MA 1/15/19		
07392-0500	TRANSFER FROM SEWER OPERATING	1902 JE		\$0.00	\$94,587.60	2/15/2019	XFER	XFER FROM SEWER 05 TO MA 07		
07392-0500	TRANSFER FROM SEWER OPERATING	1903 JE		\$0.00	\$12,508.88	3/14/2019	XFER	XFER \$ FROM 05 TO MA 07 TO COVER EXPENSES		
07392-0900	BEGINNING BALANCE									
07392-0900	TRANSFER FROM SEWER CAP RESERVE	1901 JE		\$0.00	\$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		\$0.00	\$2,161.00	2/15/2019	XFER	XFER FROM SEWER CAPITAL 09 TC MA 07		
07392-0900	TRANSFER FROM SEWER CAP RESERVE	1903 JE		\$0.00	\$1,729.75	3/14/2019	XFER	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 - GENE QTR.1-2019 REIMBURSEMENT - MA		
07424-3000	BEGINNING BALANCE									
07424-3000	MISCELLANEOUS EXPENSE	1901 CD		\$8.00	\$0.00	1/15/2019	3147	PMAA	PA MUNICIPAL AUTH. - PROUD HIS - BRIGHT FUTURE	
07424-3000	MISCELLANEOUS EXPENSE	1902 CD		\$8.00	\$0.00	2/14/2019	3148	YAHRAES, JOHN E.	REIMBURSEMENT - PROUD HISTOF PUBLICATION	
07424-3000	MISCELLANEOUS EXPENSE	1902 CD		-\$8.00	\$0.00	2/14/2019	3148	YAHRAES, JOHN E.	VOID CK 3148	
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 SUI	
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.	
07424-3140	BEGINNING BALANCE									
07424-3140	LEGAL SERVICES	1901 CD		\$440.00	\$0.00	1/15/2019	3143	GAWTHROP GREENWOOD & HAL'S LEGAL SERV.	12/7-12/28/18 GEN.A	
07424-3140	LEGAL SERVICES	1902 CD		\$820.00	\$0.00	2/15/2019	3149	GAWTHROP GREENWOOD & HAL'S LEGAL SERVICE	1/2-1/14/19 GEN.J	
07424-3140	LEGAL SERVICES	1903 CD		\$260.00	\$0.00	3/14/2019	3152	GAWTHROP GREENWOOD & HAL'S LEGAL SERVICES - FEB.2019 GEN.A		
07424-7440	BEGINNING BALANCE									
07424-7440	R.C. CAPITAL-STP	1901 CD		\$11,830.72	\$0.00	1/15/2019	3145	JWC ENVIRONMENTAL	SCREEN REPLACEMENT	
07426-1000	BEGINNING BALANCE									
07426-1000	HERSHEY MILL STATION - ENGINEER	1901 CD		\$301.50	\$0.00	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 HERSHEY MI GENERATOR REPLAC	
07426-1000	HERSHEY MILL STATION - ENGINEER	1902 CD		\$2,161.00	\$0.00	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU: 1/27/19 H.M.GENE	
07426-1000	HERSHEY MILL STATION - ENGINEER	1903 CD		\$1,729.75	\$0.00	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 HM GENE	
07426-3000	BEGINNING BALANCE									
07426-3000	TALLMADGE DRIVE	1901 CD		\$42,431.40	\$0.00	1/15/2019	3144	IRON EAGLE EXCAVATING INC.	EXCAVATING - TALLMADGE DR. SE REPLACEMENT	
07426-3000	TALLMADGE DRIVE	1901 CD		\$9,082.00	\$0.00	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 TALLMADGE	
07426-3000	TALLMADGE DRIVE	1902 CD		\$4,678.25	\$0.00	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 TALLMADGE	
07426-3000	TALLMADGE DRIVE	1902 CD		\$21,328.40	\$0.00	2/15/2019	3151	IRON EAGLE EXCAVATING INC.	SANITARY SEWER BYPASS PUMPI CONTROL, FURNISH & INSTALL MANHOLE,	
07426-3000	TALLMADGE DRIVE	1903 CD		\$2,949.25	\$0.00	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 TALLMDG	
07429-1501	BEGINNING BALANCE									
07429-1501	BARKWAY PUMP STATION CAPITAL	1901 CD		\$582.21	\$0.00	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERVICE THRU 12/30/18 BARKWAY	
07429-1501	BARKWAY PUMP STATION CAPITAL	1902 CD		\$2,793.45	\$0.00	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 BARKWAY	
07429-1501	BARKWAY PUMP STATION CAPITAL	1903 CD		\$2,386.13	\$0.00	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 BARKWAY	

**EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380  
(610) 692-7171**

**March 31, 2019**

**MUNICIPAL AUTHORITY EXPENSES:  
1st QTR 2019**

	AMOUNT	NOTES
ABC Secretarial Services (Preparing & distributing packets):		
	15%	<b>\$1,189.43</b> 15% of salary & benefits
Secretarial Services (Taking & Preparing Minutes):		
	6	<b>\$210.00</b> 6 hours @ \$35 hours/hour
Director of Finance/Treasurer		
	5%	<b>\$1,686.44</b> 5% of salary & benefits
Staff Accountant: (Barb/AP)		
	5%	<b>\$998.76</b> 5% of salary & benefits
Director of Public Works:		
	5%	<b>\$2,114.99</b> 5% of salary & benefits
Manager:		
	3%	<b><u>\$1,387.97</u></b> 3% of salary & benefits
		<b>\$7,587.59</b>
		07424-1400

Jon Altshul  
Finance Director

New Business:

Tree request

I received a request from a resident who backs up to the plant. Ms. Hill reported that several of the trees that were planted for screening the plant on the berm have died and she asked if the Municipal Authority would replace them.

If you recall, we had Hankin Buuilders plant the tree's to create a buffer between the sewer plant and the adjoining properties.

## Sue Smith

---

**From:** Michael Ellis <MEllis@Pennoni.com>  
**Sent:** Friday, April 5, 2019 10:58 AM  
**To:** Mark Miller (mmiller@eastgoshen.org)  
**Cc:** rsmith@eastgoshen.org; Jon Altshul; 'ssmith@eastgoshen.org'  
**Subject:** Barkway Muffin Monster - Price Quote, Schedule, Other Parts  
**Attachments:** EGMAU17006 - Barkway Parts List.pdf; 48913RevA\_East Goshen-Barkway PS\_WMK\_M3-30005-0008.pdf

Hi Mark,

The formal price quotation from Watermark is attached based on our finalized design. There is one minor discrepancy in the quote that we are asking them to address by Monday. They reference 4" influent and effluent pipe stubs, but they need to be 8". I'm not sure if this will change their price, but any change will be minor, and we should know before Monday's MA meeting. The pricing is consistent with that which they had previously informally quoted last year. **I therefore recommend this be included in Monday's MA agenda for approval.**

The quote also incorrectly references a 460v unit. It needs to be a 230v to work with the existing electrical system at the station. There is no price impact, and Watermark has stated they will be sure their shop drawings provide for the correct voltage unit.

We have also provided a list of other materials that the Township will need to acquire for construction that are not provided by Watermark. This is not an all-inclusive list, but it is fairly comprehensive. Some other items are concrete and stone for setting the manhole along with silt fence/compost filter sock and erosion control matting.

Lastly, a tentative schedule follows based on durations provided by Watermark:

MA Approval	4/8/19
Vendor Authorized to Proceed	4/9/19
Vendor Submittals (4 Weeks)	5/7/19
Township and Pennoni	
Review/Comments (1 Week)	5/14/19
Deliver Equipment (12 Weeks)	8/6/19

Mike

**Michael Ellis, PE**  
Municipal Division Manager

**Pennoni**  
121 Continental Drive, Suite 207 | Newark, DE 19713  
**Direct:** +1 (302) 351-5236 | **Mobile:** +1 (302) 561-4235  
www.pennoni.com | MEllis@Pennoni.com



BARKWAY MUFFIN MONSTER CONSTRUCTION MATERIALS	
Qty.	Part
1	4" PVC Elbow, 30 Degrees, R=16"
2	4" PVC Elbow, 45 Degrees, R=16"
1	4" PVC Elbow, 90 Degrees, R=16"
25 LF	4" PVC Straight Pipe
1	Manhole Frame & Cover Grade Adjustment Rings (As Needed)
4	450 SS 1/2" Tube X 1/2" Female 90 Degree Elbow
4	450 SS 1/2" Tube X 1/2" Flare End
2	316 SS 1/2" SCH80 Pipe (Length per Wall Thickness)
2	2" Linkseal x 1/2" Interior
1	316 12 GA SS Weather Hood (Fabricated by Township)
1	Strut channel (Length per Floor to Ceiling Height)
2	Strut 90 Degree Wing Fitting / Mount
1	12" Strut Tee Channel Bracket
16	Strut U-Bolt clamps w/ backplate (Hoses Mounted Parallel to Strut) Pipe Ceiling & Wall Mount Hardare (Per Personal Preference)





**JWC Environmental**  
2850 S. Red Hill Ave. Suite 125  
Santa Ana, CA 92705  
Phone: 949.833.3888  
Toll Free: 800.331.2277  
Fax: 714.242.0240  
**Page: 1**

**Quote #** 48913RevA

Please address Purchase Orders to:  
**JWC Environmental**  
2850 S. Red Hill Ave. Suite 125  
Santa Ana, CA 92705  
USA  
Fax: 714.242.0240

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

**Rep** Watermark Environmental  
**Phone** 610-363-6515

We thank you for your inquiry and are pleased to quote pricing and delivery on the equipment listed below. This quotation is subject to terms and conditions listed on the JWC Environmental "Terms and Conditions" page, and any comments and exception listed below.

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

<b>Project</b>	East Goshen Township, Barkway Pump Station	<b>Bid Date</b>	
<b>Quote Date</b>	04/04/2019	<b>FOB</b>	Origin
<b>Submittals</b>	4 weeks after receipt of order	<b>Expire Date</b>	07/04/2019
<b>Ship Equipment</b>	12 weeks after approval/release	<b>Terms</b>	NET 30 DAYS
<b>Consulting Engineer</b>			
<b>Spec. Section</b>			

#### LINE ITEMS

Line No	Qty	Part/Description
1	1	<b>M3 - MUFFIN MONSTER MANHOLE</b> Muffin Monster Manhole consisting of: * 4' diameter, 11' deep FRP wetwell with H-20 loading traffic-rated dome top (below-grade) * Formed-in channel 16" wide and 20" deep * 8" diameter influent and effluent pipe stubs with neoprene boots and stainless steel bands. * Fiberglass ladder * 4" fiberglass threaded conduit tap * 1/2" expanded polystyrene bead board for installation * Stainless steel cable hook and haul-out chain hook * Channel-mounted ultraframe assembly fabricated in 304 stainless steel * Guide rail assembly fabricated in 304 stainless steel * Lifting bail, fabricated in 316 stainless steel * Haul out chain assembly fabricated in 316 stainless steel, approximately 12ft. long

Model 30005-0008-DI Muffin Monster grinder suitable for up to 370 gpm in a channel (refer to JWC Environmental flow curves for additional performance data). Scope of supply to include:  
\* Grinder with 8" cutter stack using 17-tooth serrated cam cutters & knurled spacers in 4130 alloy steel, cartridge-style tungsten carbide mechanical seals with BUNA-N elastomers rated for 90 psi, green epoxy-coated ductile iron end housings, and hydraulic torque motor.

HPP10504 hydraulic power pack with 5hp TEFC 230v/3ph/60Hz motor, (2) 1/2" - 75' hoses with 304 SST quick disconnect fittings at the grinder

Model PC2240 motor controller for 230V (Schematic Drawing # PC2240-000-1-B) in a NEMA 4X fiberglass ENCL. DWG# CB-356 enclosure accepting 230V/3PH/60HZ input power for use with a 5HP hydraulic motor. Controller includes an IEC starter with over-current protection, one set of spare fuses and micro-PLC. Prog. # PC2240-000-A (120VAC control voltage)



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**Page: 2**

**Quote #**                      **48913RevA**  
**2**                      **4**                      **O&M MANUALS HARD COPY**

**3**                      **1**                      **Shipping & Handling**

**4**                      **1**                      **Tariff Surcharge**

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

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**Price**                      **\$52,724.00**

**Clarification**

1. See attached standard JWC Terms and Conditions of Purchase.
2. Standard one year warranty is included.
3. One (1) day of start-up supervision by a factory-authorized representative is included.
4. Standard steel grade rings and steel manhole cover/lid to be placed at top of the domed wetwell shall be supplied by others.
5. PA COSTARS Vendor Number 391243 JWC Environmental, Inc.

**Exclusions**

Unless specifically stated above, this quotation does not include installation, bonds, sales taxes, use taxes, disconnect switches, anchor bolts, hydraulic fluid, mounting frames, guide rails, field wiring, spare parts, or special tools.

**Authorized JWC Environmental Signature**    Eric Elam





Quote # 48913RevA

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Santa Ana, CA 92705  
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Page: 3

## **JWC ENVIRONMENTAL TERMS AND CONDITIONS OF SALE**

Unless otherwise specifically agreed to in writing by the buyer ("Buyer") of the products and or related services purchased hereunder (the "Products") and JWC Environmental (the "Seller"), the sale of the Products is made only upon the following terms and conditions. Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is conditioned on Buyer's assent to these terms. Seller rejects all additional, conditional and different terms in Buyer's form or documents.

### **PAYMENT TERMS**

Subject to any contrary terms set forth in our price quotation, order acceptance or invoice the full net amount of each invoice is due and payable in cash within 30 days from the date of the invoice. If any payment is not received within such 30-day period, Buyer shall pay Seller the lesser of 1 ½% per month or the maximum legal rate on all amounts not received by the due date of the invoice, from the 31st day after the date of invoice until said invoice and charges are paid in full. Unless Sellers documents provide otherwise, freight, storage, insurance and all taxes, duties or other governmental charges related to the Products shall be paid by the Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller for said charges. In all cases, regardless of partial payment, title to the Products shall remain the Sellers until payment for the Products has been made in full. All orders are subject to credit approval by Seller. All offers by Seller and/or acceptance of Buyer's order shall be nullified by any failure of Buyer to obtain credit approval. Furthermore, Buyer shall not assert any claim against Seller due to Buyer's inability to obtain credit approval. Irrevocable Letter of Credit from Buyer in form and term acceptable to Seller is required for Product orders delivered outside the United States of America

### **DELIVERY**

Unless otherwise provided in our price quotation, delivery of the Products shall be made F.O.B. place of manufacture. Any shipment, delivery, installation or service dates quoted by the Seller are estimated and the Seller shall be obligated only to use reasonable efforts to meet such dates. The Seller shall in no event be liable for any delays in delivery or failure to give notice of delay or for any other failure to perform hereunder due to causes beyond the reasonable control of the Seller. Such causes shall include, but not be limited to, acts of God, the elements, acts or omissions of manufacturers or suppliers of the Products or parts thereof, acts or omissions of Buyer or civil and military authorities, fires, labor disputes or any other inability to obtain the Products, parts thereof, or necessary power, labor, materials or supplies. The Seller will be entitled to refuse to make, or to delay, any shipments of the Products if Buyer shall fail to pay when due any amount owed by it to the Seller, whether under this or any other contract between the Seller and Buyer. Any claims for shortages must be made to the Company in writing within five calendar days from the delivery date and disposition of the claim is solely subject to Sellers determination

### **PRICES**

Prices of the Seller's Products are subject to change without notice. Quotations are conditioned upon acceptance within 30 days unless otherwise stated and are subject to correction for errors and/or omissions. Prices include charges for regular packaging but, unless expressly stated, do not include charges for special requirements of government or other purchaser. Prices are subject to adjustment should Buyer place an order past the validity period of the quotation or delay delivery of Products beyond the quoted lead time for any reason.

### **RETURNS**

No Products may be returned for cash. No Product may be returned for credit after delivery to Buyer without Buyer first receiving written permission from the Seller. Buyer must make a request for return of Product in writing to Seller at its place of business in Costa Mesa, California. A return material authorization number must be issued by the Seller to the Buyer before a Product may be returned. Permission to return Product to Seller by Buyer is solely and exclusively the Sellers. Product must be returned to Seller at Buyers expense, including packaging, insurance, transportation and any governmental fees. Any credit for Product returned to Seller shall be subject to the inspection of and acceptance of the Product by the Seller and is at the sole discretion of the Seller.

### **LIMITED WARRANTY**

Subject to the terms and conditions hereof, the Seller warrants until one year after commissioning (written notification to Seller by Buyer required) of the Product or until 18 months after delivery of such Product to Buyer, whichever is earlier, that each Product will be free of defects in material and workmanship. If (a) the Seller receives written notification of such defect during the warranty period and the defective Products use is discontinued promptly upon discovery of alleged defect, and (b) if the owner ("Owner") forwards the Product to the Seller's nearest service/repair facility, transportation and related insurance charges prepaid. The Seller will cause any Products whose defect is covered under this warranty to either be replaced or be repaired at no cost to the Owner. The foregoing warranty does not cover repairs required due to repair or alteration other than by the Seller's personnel, accident, neglect, misuse, transportation or causes other than ordinary use and maintenance in accordance with the Seller's instructions and specifications. In addition, the foregoing warranty does not cover any Products, or components thereof, which are not directly manufactured by the Seller. To the extent a warranty for repair or replacement of such Products or components not manufactured directly by the Seller is available to Buyer under agreements of the Seller with its vendors; the Seller will make such warranties available to Buyer. Costs of transportation of any covered defective item to and from the nearest service/repair center and related insurance will be paid or reimbursed by Buyer. Any replaced Products will become the property of the Seller. Any replacement Products will be warranted only for any remaining term of the original limited warranty period and not beyond that term.

### **DISCLAIMER OF WARRANTIES AND LIMITATIONS OF LIABILITIES**

THE SELLER'S FOREGOING LIMITED WARRANTY IS THE EXCLUSIVE AND ONLY WARRANTY WITH RESPECT TO THE PRODUCTS AND SHALL BE IN LIEU OF ALL OTHER WARRANTIES (OTHER THAN THE WARRANTY OF TITLE), EXPRESS, STATUTORY OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND ANY STATEMENTS MADE BY EMPLOYEES, AGENTS OF THE SELLER OR OTHERS REGARDING THE PRODUCTS. THE OBLIGATIONS OF THE SELLER UNDER THE FOREGOING WARRANTY SHALL BE FULLY SATISFIED BY THE REPAIR OR THE REPLACEMENT OF THE DEFECTIVE PRODUCT OR PART, AS PROVIDED ABOVE. IN NO EVENT SHALL THE SELLER BE LIABLE FOR LOST PROFITS OR OTHER SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, EVEN IF THE SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. THE TOTAL LIABILITY OF THE SELLER TO BUYER AND OTHERS ARISING FROM ANY CAUSE WHATSOEVER IN CONNECTION WITH BUYER'S PURCHASE, USE AND DISPOSITION OF ANY PRODUCT COVERED HEREBY SHALL, UNDER NO CIRCUMSTANCES, EXCEED THE PURCHASE PRICE PAID FOR THE PRODUCT BY BUYER. NO ACTION, REGARDLESS OF FORM, ARISING FROM THIS AGREEMENT OR BASED UPON BUYER'S PURCHASE, USE OR DISPOSITION OF THE PRODUCTS MAY BE BROUGHT BY EITHER PARTY MORE THAN ONE YEAR AFTER THE CAUSE OF ACTION ACCRUES, EXCEPT THAT ANY CAUSE OF ACTION FOR THE NONPAYMENT OF THE PURCHASE PRICE MAY BE BROUGHT AT ANY TIME

The remedies provided to Buyer pursuant to the limited warranty, disclaimer of warranties and limitations of liabilities, described herein are the sole and exclusive remedies.

Unless specifically agreed to in writing by the Seller, no charges may be made to the Seller by Buyer or any third party employed by buyer for removing, installing or modifying any Product.

The Seller and its representatives may furnish, at no additional expense, data and engineering services relating to the application, installation, maintenance or use of the Products by Buyer. The Seller will not be responsible for, and does not assume any liability whatsoever for, damages of any kind sustained either directly or indirectly by any person through the adoption or use of such data or engineering services in whole or in part.

### **CONFIDENTIAL INFORMATION**

Except with the Seller's prior written consent, Buyer shall not use, duplicate or disclose any confidential proprietary information delivered or disclosed by the Seller to Buyer for any purpose other than for operation or maintenance of the Products.

### **CANCELLATION AND DEFAULT**

Absolutely no credit will be allowed for any change or cancellation of an order for Products by Buyer after fabrication of the Products to fill Buyer's order has been commenced. If Buyer shall default in paying for any Products purchased hereunder, Buyer shall be responsible for all reasonable costs and expenses, including (without limitation) attorney's fees incurred by the Seller in collecting any sums owed by Buyer. All rights and remedies to the Seller hereunder or under applicable laws are cumulative and none of them shall be exclusive of any other right to remedy. No failure by the Seller to enforce any right or remedy hereunder shall be deemed to be a waiver of such right or remedy, unless a written waiver is signed by an authorized management employee of the Seller and the Seller's waiver of a breach of this agreement by Buyer shall not be deemed to be a waiver of any other breach of the same or any other provision.

### **CHANGES IN PRODUCTS**

Changes may be made in materials, designs and specifications of the Products without notice. The Seller shall not incur any obligation to furnish or install any such changes or modifications on Products previously ordered by, or sold to, Buyer.

### **APPLICABLE LAW, RESOLUTION OF DISPUTES AND SEVERABILITY**

This agreement is entered into in Costa Mesa, California. This agreement and performance by the parties hereunder shall be construed in accordance with, and governed by, the laws of the State of California. Any claim or dispute arising from or based upon this agreement or the Products which form its subject matter shall be resolved by binding arbitration before the American Arbitration Association in Los Angeles, California, pursuant to the Commercial Arbitration Rules, excepting only that each of the parties shall be entitled to take no more than two depositions, and serve no more than 30 interrogatories, 10 requests for admissions and 20 individual requests for production of documents, such discovery to be served pursuant to the California Code of Civil Procedure. Any award made by the arbitrator may be entered as a final judgment, in any court having jurisdiction to do so. If any provision of this agreement shall be held by a court of competent jurisdiction or an arbitrator to be unenforceable to any extent, that provision shall be enforced to the full extent permitted by law and the remaining provisions shall remain in full force and effect.

### **ASSIGNMENT**

This agreement shall be binding upon the parties and their respective successors and assigns. However, except for rights expressly provided to subsequent Owners of the Products under "Limited Warranty" above,



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2850 S. Red Hill Ave. Suite 125  
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**Page: 4**

**Quote # 48913RevA**

any assignment of this agreement or any rights hereunder by Buyer shall be void without the Company's written consent first obtained. Any exercise of rights by an Owner other than Buyer shall be subject to all of the limitations on liability and other related terms and conditions set forth in this agreement.

**EXCLUSIVE TERMS AND CONDITIONS**

The terms and conditions of this agreement may be changed or modified only by an instrument in writing signed by an authorized management employee of the Seller. This instrument, together with any amendment or supplement hereto specifically agreed to in writing by an authorized management employee of the Seller, contains the entire and the only agreement between the parties with respect to the sale of the Products covered hereby and supersedes any alleged related representation, promise or condition not specifically incorporated herein.

SELLER'S PRODUCTS ARE OFFERED FOR SALE AND SOLD ONLY ON THE TERMS AND CONDITIONS CONTAINED HEREIN. NOTWITHSTANDING ANY DIFFERENT OR ADDITIONAL TERMS OR CONDITIONS CONTAINED IN BUYER'S SEPARATE PURCHASE ORDERS OR OTHER ORAL OR WRITTEN COMMUNICATION, BUYER'S ORDER IS OR SHALL BE ACCEPTED BY THE COMPANY ONLY ON THE CONDITION THAT BUYER ACCEPTS AND CONSENTS TO THE TERMS AND CONDITIONS CONTAINED HEREIN. IN THE ABSENCE OF BUYER'S ACCEPTANCE OF THE TERMS AND CONDITIONS CONTAINED HEREIN THE SELLER'S COMMENCEMENT OF PERFORMANCE AND/OR DELIVERY OF THE PRODUCTS, OR THE SELLER'S STATEMENT OF ACKNOWLEDGMENT OF THE RECEIPT OF BUYER'S PURCHASE ORDER, SHALL BE FOR BUYER'S CONVENIENCE ONLY AND SHALL NOT BE DEEMED OR CONSTRUED TO BE ACCEPTANCE OF BUYER'S DIFFERING TERMS OR CONDITIONS, OR ANY OF THEM. ANY DIFFERENT OR ADDITIONAL TERMS ARE HEREBY REJECTED UNLESS SPECIFICALLY AGREED UPON IN WRITING BY AN AUTHORIZED MANAGEMENT EMPLOYEE OF THE SELLER. IF A CONTRACT IS NOT EARLIER FORMED BY MUTUAL AGREEMENT IN WRITING, BUYER'S ACCEPTANCE OF ANY PRODUCTS COVERED HEREBY SHALL BE DEEMED ACCEPTANCE OF ALL OF THE TERMS AND CONDITIONS STATED HEREIN. THE SELLER'S FAILURE TO OBJECT TO PROVISIONS INCONSISTENT HEREWITH CONTAINED IN ANY COMMUNICATION FROM BUYER SHALL NOT BE DEEMED A WAIVER OF THE PROVISIONS CONTAINED HEREIN.

F360JWCE0107





## **East Goshen Township Conservancy Board**

### **"KEEP EAST GOSHEN BEAUTIFUL DAY"**

**Saturday, April 13, 2019**

The East Goshen Township Conservancy Board has scheduled the townships annual "Keep East Goshen Beautiful Day" for Saturday, April 13, 2019. This is the 34<sup>th</sup> year for this event and it is a great way to jump-start spring-cleaning efforts in our neighborhoods and throughout the Township.

**WHO: East Goshen Township Conservancy Board**

**WHAT: Annual "Keep East Goshen Beautiful Day"**

**WHEN: Saturday, April 13, 2019**

**WHERE: East Goshen Township, Chester County, Pennsylvania**

**WHY: To clean up litter from our roadsides and open spaces.**

#### **What to do:**

- Please come to the East Goshen Township Building located at 1580 Paoli Pike in West Chester, PA on Saturday, April 13, 2019 between 8:00 & 9:00 AM to register, refreshments and to pick up supplies (gloves, trash bags and vests.)
- Let us know if April 13<sup>th</sup> does not work for you and/or your group and we can leave supplies at the township building's front desk.
- Also, please let us know what day you will be performing the cleanup. So, when we do the street assignments on Saturday, we can save that stretch of road for you and/or your group and we can inform public works when to pick up the trash bags.

**Please call the Township at 610-692-7171 for more information, to let us know you will help, and/or to reserve a particular stretch of road for your group, organization or family.**

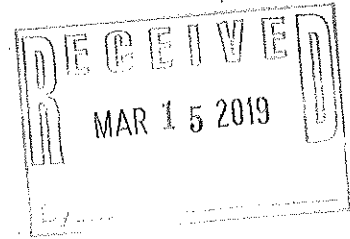


# pennsylvania

DEPARTMENT OF ENVIRONMENTAL  
PROTECTION

March 13, 2019

**CERTIFIED MAIL NO. 7017 1000 0000 5886 7262**  
**RETURN RECEIPT NO. 9590 9402 2927 7094 0153 85**



Michael Moffa  
West Goshen Sewer Authority  
1025 Paoli Pike  
West Chester, PA 19380

Re: WQM Permit - Sewage  
West Goshen Sewer System & STP  
Permit No. 1518412  
Authorization ID No. 1254129  
West Goshen Township, Chester County

Dear Mr. Moffa:

Your Water Quality Management (WQM) permit is enclosed. You must comply with all Standard and Special Conditions attached to this Permit. Construction must be done in accordance with the permit application and all supporting documentation. Please review the permit conditions and the supporting documentation submitted with your application before starting construction.

Please note that you are responsible for securing all other required permits, approvals and/or registrations associated with the project, if applicable, under Chapters 102 (erosion and sedimentation control), 105 (stream obstructions and encroachments) and 106 (floodplains) of DEP's regulations. Construction may not proceed until all other required permits have been obtained.

Any person aggrieved by this action may appeal the action to the Environmental Hearing Board (Board), pursuant to Section 4 of the Environmental Hearing Board Act, 35 P.S. § 7514, and the Administrative Agency Law, 2 Pa.C.S. Chapter 5A. The Board's address is:

Environmental Hearing Board  
Rachel Carson State Office Building, Second Floor  
400 Market Street  
P.O. Box 8457  
Harrisburg, PA 17105-8457

TDD users may contact the Environmental Hearing Board through the Pennsylvania Relay Service, 800-654-5984.

Appeals must be filed with the Board within 30 days of receipt of notice of this action unless the appropriate statute provides a different time. This paragraph does not, in and



of itself, create any right of appeal beyond that permitted by applicable statutes and decisional law.

A Notice of Appeal form and the Board's rules of practice and procedure may be obtained online at <http://ehb.courtapps.com> or by contacting the Secretary to the Board at 717-787-3483. The Notice of Appeal form and the Board's rules are also available in braille and on audiotape from the Secretary to the Board.

**IMPORTANT LEGAL RIGHTS ARE AT STAKE. YOU SHOULD SHOW THIS DOCUMENT TO A LAWYER AT ONCE. IF YOU CANNOT AFFORD A LAWYER, YOU MAY QUALIFY FOR FREE PRO BONO REPRESENTATION. CALL THE SECRETARY TO THE BOARD AT 717-787-3483 FOR MORE INFORMATION. YOU DO NOT NEED A LAWYER TO FILE A NOTICE OF APPEAL WITH THE BOARD.**

**IF YOU WANT TO CHALLENGE THIS ACTION, YOUR APPEAL MUST BE FILED WITH AND RECEIVED BY THE BOARD WITHIN 30 DAYS OF RECEIPT OF NOTICE OF THIS ACTION.**

During construction or upon completing construction, please contact Karen McDaniel at 484.250.5126 or [kmcdaniel@pa.gov](mailto:kmcdaniel@pa.gov) so that an inspection of the facilities may be conducted, at DEP's discretion.

Sincerely,



Thomas L. Magge  
Environmental Program Manager  
Clean Water Program

Enclosures

cc: Chester County Health Department  
Chester County Commissioners  
Ms. Smith, East Goshen Township  
Mr. Seagraves, Thornbury Township  
West Goshen Township  
Ms. Gleason, West Whiteland Township  
Mr. Pinger, P.E., Westtown Township  
Mr. Fox, P.E., Herbert Rowland & Grubic, Inc  
Operations, SERO Pa DEP  
Re

## Spring Management Workshop

**Tuesday, April 23, 2019**  
Hotel Hershey  
Hershey, PA

**Thursday, May 2, 2019**  
Nemacolin Woodlands  
Farmington, PA

**8:15 - 9:00 Registration/Welcome**

**9:00 - 9:30 PMAA Legislative/Regulatory Update**

PMAA Government Relations staff will address legislation introduced impacting authorities in this new legislative session, the new House and Senate Committee Chairs overseeing authority legislation, highlights of the proposed state budget, and upcoming and recent regulatory issues facing authorities.

**9:30 - 10:15 PA Department of Environmental Protection (DEP) Regulatory Update**

PADEP central office and southwest regional office representatives will present both water and wastewater regulatory updates and available outreach programs at both Hershey and Nemacolin.

**10:15 - 10:50 Social Security for Public Employees**

*Kristen E. Gardner, PA State Administrator & Social Security Administration representatives*

Make sure your Authority's personnel are ready for retirement with this overview/review from Social Security Administration (SSA) staff and the State Social Security Administrator (SSSA).

**10:50 - 11:00 Break**

**11:00 - 11:30 E-Procurement 101 – Saving Time, Money and Headaches**

*John Shaffer, PennBid*

Is your authority taking advantage of the time and cost savings afforded by e-procurement programs? John will cover key features and benefits of electronic bid management and how its implementation promotes greater efficiency, lower costs and improved risk management.

**11:30 - 12:00 PUC Enforcement Duties Under the New PAONECALL Law (Act 50 of 2017)**

*Blair Prough | PUC Compliance Specialist | Training Coordinator*

Act 50 of 2017, which enhances Pennsylvania's Underground Utility Line Protection Act – also known as the "One Call Law" and how it works in conjunction with newly formed Damage Prevention Committee (DPC).

**12:00 – 12:30**

**Implementing and Sustaining Public Sewer Projects in Rural Communities (Hershey)**

*Teno West, West Group Law PLLC*

*William Lawrence, West Group Law PLLC*

Teno and William will focus on issues that rural areas around the Commonwealth face with respect to their wastewater management practices, including compliance with environmental regulations and challenges with respect to funding. Utilizing a case study, additional focus will be on unexpected issues encountered during the design phase of a project, as well as anticipated issues with respect to the construction phase.

**Stormwater Case Study (Nemacolin)**

*Greg Scott, Buchart Horn*

In August 2014, the Borough of Greenville in Mercer County, Pennsylvania found itself requiring a \$500,000 loan to replace a collapsed 48" storm sewer and facing the prospect of raising property taxes to finance the loan. This presenter will address how Greenville implemented a storm water utility and the outcomes.

**12:30 - 1:00 Solicitors Update: PA One Call Enforcement and Litigation Review**

PMAA solicitors will address recent litigation involving municipal authorities and recent enforcement changes in the PA One Call Law.

**1:00 Lunch**

**Attention  
Engineers**  
Earn 3 PDHs  
for attending  
this workshop!