

EAST GOSHEN MUNICIPAL AUTHORITY

October 14, 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. September 9, 2019

4. APPROVAL OF INVOICES

Pennoni Invoice #879977	\$	2,864.75
Pennoni Invoice #879978	\$	536.00
Pennoni Invoice #879979	\$	1,040.25
Pennoni Invoice #879980	\$	7,314.89
Gawthrop Invoice #214579	\$	440.00 Pd. 9/10/19

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. September Financial Report

8. OLD BUSINESS

- a.

9. GOALS

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

10. NEW BUSINESS
 - a. Grants Available for Water and Sewer Projects
11. CAPACITY REQUESTS
 - a. Hankin Proposal, 1351 Paoli Pike
12. ANY OTHER MATTER
13. CORRESPONDENCE AND REPORTS OF INTEREST
14. PUBLIC COMMENT
15. ADJOURNMENT

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

October 1, 2019

To: Municipal Authority

From: Mark Miller

Re: September 2019 Monthly Report

Monthly Flows: Due to the lack of rain the flows are down. I did not receive the flow information from West Goshen.

Meters: The meters were read on a daily basis with no problems to report. Mike Ellis and I met to inspect the locations for the new meters that are being planned on the Ridley Creek Collection System.

C.C. Collection: The pump stations were visited on a daily basis. Wet wells were hosed down during each visit. Routine maintenance was performed all oil levels were checked.

R.C. Collection: The pumping stations were visited on a daily basis. The pumps at the Hershey Mill station were both pulled for routine maintenance and sent to Deckman Electric for repairs. Steven has been replacing sewer caps as residents call to report missing caps.

R.C. Plant: Routine maintenance was performed by Public Works. Paul Siddell who performs the generator maintenance was called to investigate an oil leak on the Cummins generator. Paul found a fuel leak on top of the engine caused by a loose fitting.

Alarms: We responded to 16 alarms for September, ranging from power outages to low level alarm at the Barkway pumping station, which was caused when the fog rod dropped out of its bracket.

PA One Calls: We responded to over 40 PA One Calls for the month of September

Monthly Rainfall: 1 inch for the month of September.



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

www.pennoni.com

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
October 4, 2019**

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- *Generator Replacement* – We are continuing coordination with the vendor (Cummins) on reduced fuel tank sizing (48 hours storage vs. 72 hours) and associated reduced cost for replacement of the existing Spectrum Detroit Diesel "Generator 1". We expect the generator can be ordered within the next 1-2 weeks. There is a 4-month lead time to acquire the generator thereafter. The footprint of the generator will require the existing concrete pad be enlarged slightly.

We propose a supplemental fee Not-To-Exceed \$3,000 on a T&M basis at our approved hourly rates for the pad design, continued vendor coordination, and future construction assistance (original authorization was \$5,000 on a T&M basis).

- *SBR Tank #3 Inspection* – We are scheduled to perform a visual structural evaluation of the tank's concrete and coatings on October 9. A brief summary report will be provided thereafter, similar to that for SBR Tank #2 in 2018, to maintain a written and photographic log of the conditions in the tanks over time.

Barkway Pump Station Grinder

- No activity since our last report. The Muffin Monster manhole and equipment was delivered to the Township in late May.

Tallmadge Drive Sewer Main Replacement

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

I&I Support and Reporting

- No activity since our last report.

New Connections

- A new home is proposed at 204 Line Road that will require a grinder pump system. We met with the design consultant for a sewer permit pre-application meeting, and we reviewed the proposed sewer connection plan thereafter.

Hershey's Mill Pump Station Generator Replacement

- The floodplain impact analysis was completed, and we submitted a Floodplain Certification to the Township's Floodplain Administrator for approval.
- We prepared three additional renderings of the site with the proposed generator for use by the Township in coordination with the Hershey's Mill Homeowner's Association (renderings attached).

- To reduce the footprint, size, and visual impact, the generator is now proposed with a 48-hour fuel tank instead of a 72-hour tank. We coordination with the vendor (Cummins) on product selection and cost revisions accordingly. The generator can be ordered upon approval of the Hershey's Mill HOA.
- We also initiated preparation of site and electrical construction plans for use by the Public Works Department in constructing the improvements.

Permanent Flow Meter Manholes

- We performed a field visit with Mark Miller to determine exact locations and depths of the first two proposed permanent flow metering manholes in the Ridley Creek collection system, and we are coordinating with the vendor for revised pricing.

END OF REPORT











**RCSTP Monthly Operations
Report:
September 2019**

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of August 2019, except for the final effluent total phosphorus concentration. Discharge to the Applebrook irrigation lagoon remained off line during August and September. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment. SBR N. 2 was identified to have a failed actuator on the final effluent discharge pipe.

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for the August 2019 DMR.

Table 1

August 2019- Final Effluent - Outfall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
August 5, 2019	0.335			2	5.6						
August 6, 2019	0.319	2.0	5.3	3	8.0	0.100	0.27	0.32	0.85	3	0.4771
August 12, 2019	0.336			2	5.6						
August 13, 2019	0.323	2.0	5.4	3	8.1	0.100	0.27	0.61	1.64	1	0.0000
August 20, 2019	0.339	2.0	5.7	7	19.8	0.127	0.36	0.69	1.00	1	0.0000
August 27, 2019	0.316	2.0	5.3	6	15.8	0.116	0.31	0.71	1.87	1	0.0000
August 31, 2019	0.253			1	2.1						
Average	0.317	2.0	5.4	3	9.3	0.111	0.30	0.58	1.34	2	0.1193
Minimum	0.253	2.0	5.3	1	2.1	0.100	0.27	0.32	0.85	1	0.0000
Maximum	0.339	2.0	5.7	7	19.8	0.127	0.36	0.71	1.87	3	0.4771



**RCSTP Monthly Operations
Report:
September 2019**

As previously discussed within the August 2019 O&M Report, the final effluent total phosphorus concentrations were elevated. The monthly average total phosphorus concentration was reported as 0.58 mg/L as compared to the NPDES discharge permit limitation of 0.50 mg/L. The mass loading discharge remained within compliance of the discharge limitation of 3.0 pounds, as compared to the reported loading rate of 1.61 pounds. After extensive troubleshooting of the biological process and equipment, the actuator operating the effluent discharge from SBR 2 was found to have malfunctioned. The valve was found to not fully close. As a result, solids and total phosphorus were exiting the SBR during the Fill and React cycles, flowing into the post flow equalization tanks. On September 4th, the actuator from SBR 3 was removed and installed on SBR 2. The decanter for SBR was observed to be above the decant level (decanter was floating on the surface of the SBR rather than partially submerged). SBR 2 was removed from service to inspect the decanter valves.

The total phosphorus remains higher than typical; however, initial certified laboratory reports indicate that the total phosphorus concentrations are beginning to decline. The present final effluent total phosphorus concentration is 0.57 mg/L. The following laboratory results are presented:

September 3, 2019	0.88 mg/L
September 10, 2019	0.31 mg/L
September 17, 2019	0.53 mg/L

The alum feed volumes to the SBRs has been significantly increased to assist with removal of the phosphorus.

The influent sample collected on September 27th, was reported to have pollutant concentrations atypically "normal" conditions. These variations may be the result of the influent sample suction line

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



**RCSTP Monthly Operations
Report:
September 2019**

Table 2

August 2019 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
August 6, 2019	0.493	167	687	349	1,435	32.3	133	58.2	239	7.8	32.1
August 13, 2019	0.391	82	336	158	650	29.8	97	110	359	5.2	17.0
August 20, 2019	0.510	135	555	194	798	37.4	159	56.6	241	5.9	25.1
August 27, 2019	0.439	433	1,781	392	1,612	47.8	175	105.0	385	13.6	49.8
Average	0.458	204	840	273	1124	36.8	141	82.5	306	8.1	31.0
Minimum	0.391	82	336	158	650	29.8	97	56.6	239	5.2	17.0
Maximum	0.510	433	1,781	392	1612	47.8	175	110.0	385	13.6	49.8

Sequencing batch reactors (SBRs) numbered 1, 2 and 4 were in service during August. SBR 2 was removed from service on September 3rd SBR 3 placed into service. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Daily analysis of the final effluent flow equalization grab sample for total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

The foam on the SBR surface was observed to decrease slightly to approximately 10 to 40% 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 and the rainfall during June and July have assisted to reduce the foam concentrations.

The foam on the SBR surface was observed to decrease slightly to approximately 0 to 30% 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 and the rainfall during June and July have assisted to reduce the foam concentrations.



**RCSTP Monthly Operations
Report:
September 2019**

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

Table 3

September 2019- Final Effluent - Outfall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD		lbs/		lbs/		lbs/		lbs/		Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Geo Mean	Mean
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
September 3, 2019	0.314	2.0	5.2	8	21.0	0.161	0.42	0.88	2.30	3	0.4771
September 10, 2019	0.238	3.5	6.9	6	11.9	0.100	0.20	0.31	0.62	1	0.0000
September 17, 2019	0.166	2.3	3.2	6	8.3	0.100	0.14	0.53	0.73	1	0.0000
September 24, 2019	0.161										
Average	0.220	2.6	5.1	7	13.7	0.120	0.25	0.57	1.22	2	0.1590
Minimum	0.161	2.0	3.2	6	8.3	0.100	0.14	0.31	0.62	1	0.0000
Maximum	0.314	3.5	6.9	8	21.0	0.161	0.42	0.88	2.30	3	0.4771

Table 4

September 2019 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD		lbs/		lbs/		lbs/		lbs/		Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Geo Mean	Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
		40		42							
September 3, 2019	No Discharge										
September 10, 2019	0.060	2.0	1.0	8.0	4.0	0.161	0.08	0.88	0.44	3	0.4771
September 17, 2019	0.156	3.5	4.5	6.0	7.8	0.100	0.13	0.31	0.40	1	0.0000
September 24, 2019	0.149										
Average	0.122	2.8	2.8	7.0	5.9	0.131	0.11	0.60	0.42	2	0.2386
Minimum	0.060	2.0	1.0	6.0	4.0	0.100	0.08	0.31	0.40	1	0.0000
Maximum	0.156	3.5	4.5	8.0	7.8	0.161	0.13	0.88	0.44	3	0.4771



**RCSTP Monthly Operations
Report:
September 2019**

Discharge to Applebrook was initiated on September 4, 2019. Table 4 3 illustrates the available data for the final effluent composite sample data reported for outfall 001 for use with the September 2019 DMR.

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 September 2019

Table 4

September 2019 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
September 3, 2019	0.463	233	899	208	802	43.8	169	48.5	187	6.8	26.2
September 10, 2019	0.440	162	625	120	463	39.9	146	39	143	5.6	20.5
September 17, 2019	0.443	310	1,196	213	822	31.8	117	113.0	417	3.5	12.9
September 24, 2019	0.445										
Average	0.448	235	906	180	696	38.5	144	66.8	249	5.3	19.9
Minimum	0.440	162	625	120	463	31.8	117	38.9	143	3.5	12.9
Maximum	0.463	310	1,196	213	822	43.8	169	113.0	417	6.8	26.2

During September, influent flow measured at the manhole in the field prior to the Screening building was observed to be beginning to measure flows higher than those entering the SBRs. Influent flows will be monitored.

Significant Rainfall Events

During September, there were eight (8) day when rainfall occurred. There were no storms resulting in a daily precipitation amount equal to or greater than 0.50 inches measured during a 24-hour period. A total of 0.69 inches of rainfall measured during the month.



**RCSTP Monthly Operations
Report:
September 2019**

PA DEP

No activity

Chemical Usage:

September 2019		
Chemical	Daily Average	Total Monthly
Soda Ash	300	9,000
Aluminum Sulfate solution	65.1	1,954

Flow data:

September 2019			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	13.880	462,670	568,240
Influent Wastewater to SBRs	13.041	436,041	498,304
Internal Recycle	0.140	4,666	98,814
Treated Effluent to Disc Filters	12.638	421,265	476,416
Final Effluent Discharge	5.643	188,100	315,000
Applebrook Golf Course	3.559	118,615	159,312

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
Cleaned LMI pump (alum feed to disc filters)
Removed and cleaned static mixer (feed to disc filters)

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
September 9, 2019

The East Goshen Township Municipal Authority held their regular public meeting on Monday, September 9, 2019 at 7:00 pm at the East Goshen Township building. Members in attendance were: Dana Pizarro, Jack Yahraes, and Walter Wujcik. Also in attendance were: Jon Altshul (Township Asst. Manager), Mark Miller (Director of Public Works), Mike Ellis (Pennoi), and Jessica Wiesak (Attorney).

COMMON ACRONYMS:

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

Call to Order & Pledge of Allegiance

Dana 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. Dana asked if anyone would be recording the meeting. There was no response.

Chairman's Report

1. No report.

Sewer Reports

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

Monthly Flows: The average daily flows to West Goshen were 780,000 for the month of August.

Meters: The meters were read on a daily basis. The meters were calibrated on August 23rd. No problems were noted.

C.C. Collection: The pump stations were visited on a daily basis with no problems to report. We were notified of a sewer back up on Sturbridge Lane. We attempted to plunge the lateral until it was clear. The lateral was televised and we found that the lateral had a significant sag. The homeowner was advised of the problem.

R.C. Collection: The stations were visited on a daily basis with no problems to report. A contractor working from PECO struck a lateral on Sleepy Hollow Lane. The contractor excavated the lateral and we made the repairs. We also replaced 14 castings while paving.

Ridley Creek Plant: The operator reported that a limb was hanging over tank one. We trimmed the trees around the tanks. We installed the rebuilt pump for the Applebrook spray irrigation and started sending water to the golf course.

Alarms: We responded to 25 alarms in August.

PA One Calls: We responded to 75 PA One Calls for the month of August.

Rainfall: 1.55 inches for August.

1
2 **2. Pennoni Engineer's Report for August**

3 Invoices – Invoices with summaries were provided under separate cover.

4 Ridley Creek Sewage Treatment Plant (RCSTP)

5 We continued coordination with the vendor (Cummins) on product selection, fuel tank sizing,
6 and cost for replacements of the existing Spectrum Detroit Diesel “Generator 1”. We have
7 requested a formal cost quote addressed to the Township for consideration at the September
8 MA meeting but we have not yet received it at the time of this report. We are working with
9 the vendor to provide it ASAP so that we can forward to the MA prior to the meeting.

10 Barkway Pump Station Grinder

11 No activity since our last report. The Muffin Monster manhole and equipment was delivered
12 to the Township in late May.

13 Tallmadge Drive Sewer Main Replacement

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

15 I&I Support and Reporting

16 No activity since our last report.

17 New Connections

18 A new home is proposed at 204 Line Road that will require a grinder pump system. We are
19 awaiting a plan submission to review.

20 Hershey's Mill Pump Station

21 We performed topographic, existing conditions, and property boundary survey of the pump
22 station site and creek and are developing an existing conditions plan. The plan will be utilized
23 for floodplain impact determination and site design (namely to determine required height of
24 the generator above grade).

25 We prepared a second rendering of the site with the proposed generator in place for use by the
26 Township in coordination with the Hershey's Mill Homeowners' Association. This rendering
27 is as viewed from Greenhill Road. The prior rendering was a view from the Hershey's mill
28 entrance drive.

29 We continued coordination with the vendor (Cummins) on product selection, fuel tank sizing,
30 and cost. We have requested a formal cost quote addressed to the Township for consideration
31 at the September MA meeting but we have not yet received it at the time of this report. We
32 are working with the vendor to provide it ASAP so that we can forward to the MA prior to the
33 meeting.

34 Permanent Flow Meter Manholes

35 We continued coordination with the Township and vendor on permanent flow meter manholes
36 and meter systems for installation at two locations in the Ridley Creek collection system,
37 specifically on field determining specific depths of the manholes, exact locations, and
38 associated cost impacts.

39
40 **3. Big Fish Environmental Services** – The Ridley Creek sewage treatment plant outfall 001
41 achieved compliance with the permit discharge limitations for the month of July 2019. Discharge to
42 the Applebrook irrigation lagoon remained off line during July and August 2019. Chemical usage
43 utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous
44 months. No significant mechanical or operational issues were observed during operation of sludge
45 dewatering equipment or SBR treatment process.

1 **Approval of Minutes**

2 The minutes of the August 12, 2019 meeting were approved.

3
4 **Approval of Invoices**

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

6 Pennoni Invoice #876341 \$ 4,979.00

7 Pennoni Invoice #876342 \$ 1,565.50

8 Pennoni Invoice #876343 \$ 104.71

9 Jack seconded the motion. The motion passed unanimously.

10
11 2. Jack moved to approve the Gawthrop Greenwood Invoice #214579 for \$440.00. Note that
12 Gawthrop Greenwood Invoice #213818 for \$220.00 was already paid. Walter seconded the motion.
13 The motion passed unanimously.

14
15 **Financial Reports**

16 Jon Altshul provided the following written report:

17 In August, the Municipal Authority recorded \$33,154 in revenues (including \$29,078 from the PA
18 Small Water and Sewer Grant or 90% of the total cost of the Barkway Muffin Monster and \$4,090
19 from transfers in) and \$1,857 in expenses, for a positive variance of \$31,297. As of July 26th, the
20 fund balance was \$49,166.

21 Jon reviewed the grant from PA for the Barkway Muffin Monster. He reviewed the 2020 proposed
22 budget.

23 Michele Truitt, 1430 Grand Oak La – Asked about the amount for improvements. Jon reviewed the
24 breakdown.

25
26 **Liaison Reports**

27 1. Conservancy Board – Walter reported that they will be looking at doing a Fall planting probably at
28 the Blacksmith Shop area.

29 2. Board of Supervisors – Jon reported that there will be a hearing Wednesday for a conditional use
30 for a woodworking shop at a residence. Next Thursday, September 19 at 7:00 pm there will be a
31 public meeting with Sunoco who is requesting 24/7 to work on the pipeline during pullbacks. Hankin
32 Group presented a proposal for apartments in the BP district. The TND Overlay will be discussed on
33 Oct. 15th. The work for the Reservoir will go out to bid at the end of the year.

34
35 **New Business**

36 1. PCCS Permanent Sanitary metering – Mike commented that they propose to install two
37 permanent meters in the collection system this year and one next year. After looking at options, they
38 decided on HARCO ultrasonic meter with new manholes where needed. He described the original
39 quote and changes. He reviewed the quote of \$12,000 for 2 meters. They projected \$50,000 for
40 meters and manholes in 2020.

41 2. Hershey's Mill Pump Station Generator replacement – Mike reviewed the proposal. With a quiet
42 sound enclosure the cost will be \$38,259. It will need an elevated slab and electric installed. He
43 estimates the total cost will be \$85,000 to \$90,000. Mark Miller will take it to Ed McFalls for review.
44 Walter moved to approve the purchase and order the generator for Hershey's Mill pending any
45 changes for permitting. Jack seconded the motion. The motion passed unanimously.

46 3. RCSTP Generator – Mike explained the 450 kw generator is the same size as the current one and
47 it comes with a quite enclosure. The cost is \$116,000. This is an immediate need. Jack moved to

1 approve the purchase of a replacement generator at \$116,000 for RCSTP. Walter seconded the
2 motion. The motion passed unanimously.

3
4 **Any Other Matter**

5 In response to an inquiry and discussion Mike mentioned that the Westtown Service Area is located
6 along the southern border of East Goshen Township between West Chester Pike and Manley Road. It
7 consists of the 426-unit Summit House condominium complex and the 96-unit Cider Knoll
8 condominium complex for a total of 522 residential units. Both developments originally had their
9 wastewater treated at Westtown's Sewage Treatment Plant through an intermunicipal agreement.
10 About 1998, a pump station at Summit House failed and, rather than replacing the pump station, a
11 gravity sewer was constructed and connected to East Goshen's existing Chester Creek Collection
12 System (West Goshen Service Area) sewers in West Chester Pike. 102 units were thereby diverted
13 from Westtown to the Chester Creek Collection System, where they are ultimately conveyed to West
14 Goshen's Sewage Treatment Plant. The result is that 420 condos are currently conveyed to
15 Westtown and 102 condos are conveyed to West Goshen. The 102 units that flow to West Goshen
16 count against the intermunicipal agreement between Westtown and West Goshen and are not
17 included in East Goshen's 1 MGD intermunicipal agreement with West Goshen. East Goshen thereby
18 pays Westtown for these 522 condos.

19
20 **Adjournment**

21 There being no further business, Jack moved to adjourn the meeting. Walter seconded the motion.
22 The meeting was adjourned at 8:00. The next regular meeting will be held on Monday,
23 October 14, 2019 at 7:00 pm.

24
25 Respectfully submitted,

26
27
28 Ruth Kiefer
29 Recording Secretary



INVOICE

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

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

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

Invoice # : 879977
Invoice Date : 09/24/2019
Project : EGMAU19001
Project Name : 2019 General Services

For Services Rendered through: 9/15/2019

Prepared for and attended August and September MA meetings; prepared September Engineer's Report; analyzed phosphorus and other nutrient influent vs. effluent concentrations at RCSTP over the past year; cursory review of limited plan information provided for proposed 204 Line Rd grinder pump sewer connection; and evaluate updates to the 5-year capital improvement plan.

Permanent RCCS Metering: continued evaluation and vendor & Township coordination for product alternatives, location requirements in relation to other manholes and flow changes, and updated cost quotes for new permanent metering within the Ridley Creek Collection System.

Hershey's Mill PS (HMPS) Generator Renderings: prepared additional rendering of proposed generator; this rendering as viewed of the pump station site from Greenhill Road (renderings are not part of our HMPS generator design & permitting project scope [EGMAU19005]).

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	2,864.75
Expense :	0.00
Phase Total :	2,864.75

Amount Due This Invoice

\$2,864.75

Fee :	27,000.00
Prior Billings :	15,612.75
Current Billings :	2,864.75
Total Billings :	18,477.50

OK

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

...Continued from previous page

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	13.25	127.00	1,682.75
Senior Professional	1.00	121.00	121.00
Associate Professional	8.50	94.00	799.00
Sr. Engineering Technician	1.00	92.00	92.00
Graduate Professional	2.00	85.00	170.00
Labor Total:	25.75		2,864.75

Total Phase : **** -- Professional Services

Labor : \$2,864.75

Expense : \$0.00

Total Project : EGMAU19001 -- 2019 General Services

Labor : \$2,864.75

Expense : \$0.00

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

East Goshen Municipal Authority
EGMAU19001 Invoice Summary
Invoice Date 9/24/2019

Project: EGMAU19001
Pennoni Job No.: 2019 General Services
Invoice No: 879977
Invoice Period: 8/12/2019 to 9/15/2019
Initial Authorization: \$ 27,000.00 **Date:** 9/24/2019
Contract Amount: \$ 27,000.00
Previously Invoiced: \$ 15,612.75
Current Invoice: \$ 2,864.75
Invoiced to Date (\$): \$ 18,477.50
Invoiced to Date (%): 68%
Remaining Budget (\$): \$ 8,522.50
Remaining Budget (%): 32%

Budget by Phase:

Phase Name: 2019 General Services
Phase Budget: \$ 27,000.00
Previously Invoiced: \$ 15,612.75
Current Invoice: \$ 2,864.75
Invoiced to Date (\$): \$ 18,477.50
Invoiced to Date (%): 68%
Remaining Budget (\$): \$ 8,522.50
Remaining Budget (%): 32%

Comments: Prepared for and attended August and September MA meetings; prepared September Engineer's Report; analyzed phosphorus and other nutrient influent vs. effluent concentrations at RCSTP over the past year; cursory review of limited plan information provided for proposed 204 Line Rd grinder pump sewer connection; and evaluate updates to the 5-year capital improvement plan.

Permanent RCCS Metering: continued evaluation and vendor & Township coordination for product alternatives, location requirements in relation to other manholes and flow changes, and updated cost quotes for new permanent metering within the Ridley Creek Collection System.

Hershey's Mill PS (HMPS) Generator Renderings: prepared additional rendering of proposed generator; this rendering as viewed of the pump station site from Greenhill Road (renderings are not part of our HMPS generator design & permitting project scope [EGMAU19005]).



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 # : 879978
Invoice Date : 09/24/2019
Project : EGMAU19002
Project Name : 2019 I&I Support and Reports

For Services Rendered through: 9/15/2019

Cursory analysis of ballpark cost (expense) of I&I in the Ridley Creek Collection System, associated evaluation of cost-benefit of new permanent collection system meters to assist with I&I reduction, and summary correspondence with Township.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	536.00
Expense :	0.00
Phase Total :	536.00

Amount Due This Invoice

\$536.00

Fee :	11,000.00
Prior Billings :	6,673.75
Current Billings :	536.00
Total Billings :	7,209.75

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	2.00	127.00	254.00
Associate Professional	3.00	94.00	282.00
Labor Total:	5.00		536.00

Total Phase : **** -- Professional Services

Labor :	\$536.00
Expense :	\$0.00

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

Labor :	\$536.00
Expense :	\$0.00

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

East Goshen Municipal Authority
EGMAU19002 Invoice Summary
Invoice Date 9/24/2019

Project: EGMAU19002
Pennoni Job No.: 2019 I&I Support and Reports
Invoice No: 879978
Invoice Period: 6/18/2019 to 9/15/2019
Initial Authorization: \$ 11,000.00 **Date:** 9/24/2019
Contract Amount: \$ 11,000.00
Previously Invoiced: \$ 6,673.75
Current Invoice: \$ 536.00
Invoiced to Date (\$): \$ 7,209.75
Invoiced to Date (%): 66%
Remaining Budget (\$): \$ 3,790.25
Remaining Budget (%): 34%

Budget by Phase:

Phase Name: 2019 I&I Support and Reports
Phase Budget: \$ 11,000.00
Previously Invoiced: \$ 6,673.75
Current Invoice: \$ 536.00
Invoiced to Date (\$): \$ 7,209.75
Invoiced to Date (%): 66%
Remaining Budget (\$): \$ 3,790.25
Remaining Budget (%): 34%

Comments: Cursory analysis of ballpark cost (expense) of I&I in the Ridley Creek Collection System, associated evaluation of cost-benefit of new permanent collection system meters to assist with I&I reduction, and summary correspondence with Township.



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

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

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

Invoice # : 879979
Invoice Date : 09/24/2019
Project : EGMAU19004
Project Name : RCSTP Generator Replacement

For Services Rendered through: 9/15/2019

Continued coordination with Township and vendor for generator and fuel tank sizing, alternatives, and features; and reviewed multiple iterations of cost quotes from vendor.

Phase : 01 -- Concept Design

Total Phase : 01 -- Concept Design

Labor : 1,040.25
Expense : 0.00
Phase Total : 1,040.25

Amount Due This Invoice

\$1,040.25

Fee : 5,000.00
Prior Billings : 2,545.00
Current Billings : 1,040.25
Total Billings : 3,585.25

Phase : 01 -- Concept Design

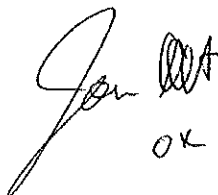
Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	2.00	127.00	254.00
Senior Professional	4.75	121.00	574.75
Associate Professional	2.25	94.00	211.50
Labor Total:	9.00		1,040.25

Total Phase : 01 -- Concept Design

Labor : \$1,040.25
Expense : \$0.00

Total Project : EGMAU19004 -- RCSTP Generator Replacement

Labor : \$1,040.25
Expense : \$0.00


OK

East Goshen Municipal Authority
EGMAU19004 Invoice Summary
Invoice Date 9/24/2019

Project: EGMAU19004
Pennoni Job No.: RCSTP Generator Replacement
Invoice No: 879979
Invoice Period: 8/12/2019 to 9/15/2019
Initial Authorization: \$ 5,000.00 **Date:** 9/24/2019
Contract Amount: \$ 5,000.00
Previously Invoiced: \$ 2,545.00
Current Invoice: \$ 1,040.25
Invoiced to Date (\$): \$ 3,585.25
Invoiced to Date (%): 72%
Remaining Budget (\$): \$ 1,414.75
Remaining Budget (%): 28%

Budget by Phase:

Phase Name: RCSTP Generator Replacement
Phase Budget: \$ 5,000.00
Previously Invoiced: \$ 2,545.00
Current Invoice: \$ 1,040.25
Invoiced to Date (\$): \$ 3,585.25
Invoiced to Date (%): 72%
Remaining Budget (\$): \$ 1,414.75
Remaining Budget (%): 28%

Comments: Continued coordination with Township and vendor for generator and fuel tank sizing, alternatives, and features; and reviewed multiple iterations of cost quotes from vendor.



INVOICE

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

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

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

Invoice # : 879980
Invoice Date : 09/24/2019
Project : EGMAU19005
Project Name : HMPS Survey & Design for
Generator



For Services Rendered through: 9/15/2019

Performed field survey of topography, existing conditions, and property boundary; initiated preparation of existing conditions plan; prepared floodplain impact analysis, floodplain non-impact certification letter, and associated plan exhibit; continued coordination with Township and vendor on generator model selection and pricing; and initiated site design.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Survey	\$7,800.00	\$0.00	71.50%	\$5,576.75	\$5,576.75
02 -- Civil	\$5,800.00	\$104.71	31.77%	\$1,842.85	\$1,738.14
03 -- MEP	\$8,800.00	\$0.00	0.00%	\$0.00	\$0.00
Total :	<u>\$22,400.00</u>	<u>\$104.71</u>		<u>\$7,419.60</u>	<u>\$7,314.89</u>

Amount Due This Invoice

\$7,314.89

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

East Goshen Municipal Authority
EGMAU19005 Invoice Summary
Invoice Date 9/24/2019

Project: EGMAU19005
Pennoni Job No.: HMPS Survey & Design for Generator
Invoice No: 879980
Invoice Period: 8/12/2019 to 9/15/2019
Initial Authorization: \$ 22,400.00 **Date:** 9/24/2019
Contract Amount: \$ 22,400.00
Previously Invoiced: \$ 104.71
Current Invoice: \$ 7,314.89
Invoiced to Date (\$): \$ 7,419.60
Invoiced to Date (%): 33%
Remaining Budget (\$): \$ 14,980.40
Remaining Budget (%): 67%

Budget by Phase:

Phase Name: HMPS Survey & Design for Generator
Phase Budget: \$ 22,400.00
Previously Invoiced: \$ 104.71
Current Invoice: \$ 7,314.89
Invoiced to Date (\$): \$ 7,419.60
Invoiced to Date (%): 33%
Remaining Budget (\$): \$ 14,980.40
Remaining Budget (%): 67%

Comments: Performed field survey of topography, existing conditions, and property boundary; initiated preparation of existing conditions plan; prepared floodplain impact analysis, floodplain non-impact certification letter, and associated plan exhibit; continued coordination with Township and vendor on generator model selection and pricing; and initiated site design.



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 (p) 610-696-822
West Chester, PA 19381-0562 (f) 610-344-092
gglaw@gawthrop.com www.gawthrop.

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

9/10/19
Pd.

Page: 1
09/05/2019
Client No: 6604-001M
Invoice No. 214579

General Authority Services

Fees

		Hours	
08/09/2019			
PMM	Email from S Smith regarding meeting materials for Authority Board meeting.	0.20	
08/12/2019			
PMM	Review and analyze meeting material in preparation for authority Board meeting; Attend authority Board meeting.	2.00	
	For Current Services Rendered	2.20	440.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna	2.20	\$200.00	\$440.00

Previous Balance \$220.00

Total Current Charges 440.00

08/15/2019 Payment -220.00

Balance Due \$440.00

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

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA September Financial Report
Date: October 4, 2019

In September, the Municipal Authority recorded \$9,778 in revenues (including a \$2,000 tap in fee from 1518 Strasburg) and \$14,677 in expenses (including 7,588 for the Q3 Administrative chargeback), for a negative variance of \$31,297. As of July 26th, the fund balance was \$44,267.

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

I have attached a draft 2020-2014 CIP for your consideration, as well as a draft 2020 budget.

One thing we should also discuss is applying for a 2019 Small Water and Sewer Grant through DCED. I would think that either the Caustic Soda project or the Ridley Creek system flow meters might be good candidates for fund.

I have also attached an email from Mike Moffa regarding cost estimates for the WWTP Phase 2 project. Our share was originally budgeted at \$1.31 million, so if the bids come back in line with this revised estimate, the proceeds of the sewer portion of the bond fund would be about \$450,000 short to cover this. Rick and I will also be discussing with the Township Finance Committee soon, but our recommendation is to borrow this shortfall from the Township's Sewer Capital Reserve Fund (which has a balance of about \$2.25 million) over a period of 10 years (basically, a 0% inter-fund loan) or about \$45,000 per year, which would correspond with less than \$2 per quarter to ratepayers' sewer bills.

EAST GOSHEN TOWNSHIP
Other Funds
September 2019
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
REVENUE								
INTEREST EARNINGS	07341 1000			(127.60)	(127.60)		(13.84)	(13.84)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020							
DCED GRANT	07354 0400	32,307		29,078.00	29,078.00			
C.C. TAPPING FEES	07364 1100			2,000.00	2,000.00		2,000.00	2,000.00
R.C. TAPPING FEES	07364 1110							
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130			1,187.52	1,187.52		341.88	341.88
MISCELLANEOUS REVENUE	07380 1000			565.48	565.48		141.12	141.12
TRANSFER FROM GENERAL ACCT	07392 0100							
TRANSFER FROM SEWER OPERATING	07392 0500	311,118	211,118	224,120.30	13,002.30	55,559	5,639.00	(49,920.00)
TRANSFER FROM SEWER CAP RESV	07392 0501	357,000						
TRANSFER-ANNUAL CAP. RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900			19,472.18	19,472.18		1,669.71	1,669.71
TOTAL REVENUE		700,425	211,118	276,295.88	65,177.88	55,559	9,777.87	(45,781.13)
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	32,000	24,000	22,762.77	1,237.23	8,000	7,587.59	412.41
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000	2,262	1,697	634.00	1,063.00	189		189.00
MUNIC. AUTH. -AUDITING	07424 3110	9,663	9,663	9,650.00	13.00			
ENGINEERING SERVICES	07424 3130	70,000	52,500	36,170.50	16,329.50	5,834	4,979.00	855.00
LEGAL SERVICES	07424 3140	8,000	6,000	3,360.00	2,640.00	660	440.00	220.00
W.G. C.C. STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440			15,776.22	(15,776.22)			
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
CAP. REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHBRIDGE	07424 7491							
HERSHEY MILL STATION - ENGINEER	07426 1000			5,090.96	(5,090.96)		104.71	(104.71)
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000			102,660.00	(102,660.00)			

EAST GOSHEN TOWNSHIP
Other Funds
September 2019
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
RESERVOIR PUMP STATION - ENGINEER	07428 1000							
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
RELINING	07429 1500	130,000	97,500		97,500.00	32,500		32,500.00
BARKWAY PUMP STATION CAPITAL	07429 1501	67,000	50,250	59,302.71	(9,052.71)	16,750		16,750.00
HERSHEY'S MILL PUMP STATION CAPITAL	07429 1503	125,000	93,750		93,750.00	31,250		31,250.00
HUNT CO PUMP STATION CAPITAL	07429 1504	87,000	65,250		65,250.00	21,750		21,750.00
RCSTP CAPITAL	07429 1505	169,500	127,125	2,545.00	124,580.00	42,375	1,565.50	40,809.50
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LEGAL	07429 3166							
WEST GOSHEN CAPITAL	07429 6100							
M.C.-DVRFA-DEBT SERVICE	07471 1000							
M.A.-R.C. DEBT SERVICE	07471 1010							
DVRFA PUMPING STATIONS - PRINCIPAL	07471 2000							
M.C.-DVRFA-INTEREST PAYMN	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
TRANSFER TO GENERAL FUND	07492 0100							
TRANSFER TO SEW.OPERATING	07492 0500							
TRF TO SEWER SINKING FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
TOTAL EXPENSES		700,425	527,735	257,952.16	269,782.84	159,308	14,676.80	144,631.20
NET RESULT FROM OPERATIONS			(316,617)	18,343.72	334,960.72	(103,749)	(4,898.93)	98,850.07

2019 MA YTD REVENUES AND EXPENSES, as of SEPTEMBER 30th

Account #	Description	Per	Src	Trx#	Debits	Credits	Date	Check#	Name	Description	Description 2
07341-1000	BEGINNING BALANCE										
07341-1000	INTEREST EARNINGS	1901	JE	66381	15	0	1/4/2019	BANK FEES	REIMBURSE S/R FOR DEC.2018	BANK FEES	
07341-1000	INTEREST EARNINGS	1901	JE	66727	0	1.06	2/4/2019	INTEREST	INTEREST EARNED JANUARY 2019		7100.1035
07341-1000	INTEREST EARNINGS	1902	JE	66736	15	0	2/4/2019	REIMBURSE	REIMBURSE S/R FOR JANUARY 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1902	JE	67117	0	0.66	3/4/2019	INTEREST	INTEREST EARNED FEB.2019		7100.1035
07341-1000	INTEREST EARNINGS	1903	JE	67623	0	0.62	3/31/2019	INTEREST	INTEREST EARNED MARCH 2019		7100.1035
07341-1000	INTEREST EARNINGS	1904	JE	67634	15	0	4/3/2019	REIMBURSE	REIMBURSE S/R FOR MARCH 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1904	JE	68113	0	0.64	4/30/2019	INTEREST	INTEREST EARNED APRIL 2019		7100.1035
07341-1000	INTEREST EARNINGS	1905	JE	68124	15	0	5/3/2019	REIMBURSE	REIMBURSE S/R FOR APRIL 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1905	JE	68143	15	0	5/6/2019	BANK FEES	REIMBURSE S/R FOR FEB.2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1905	JE	68618	0	0.66	6/4/2019	INTEREST	INTEREST EARNED MAY 2019 07	FUND	
07341-1000	INTEREST EARNINGS	1906	JE	68631	15	0	6/4/2019	REIMBURSE	REIMBURSE S/R FOR MAY 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1906	JE	69057	0	0.86	6/30/2019	INTEREST	INTEREST EARNED JUNE 2019 07	FUND	
07341-1000	INTEREST EARNINGS	1907	JE	69066	15	0	7/1/2019	REIMBURSE	REIMBURSE S/R FOR BANK FEES		Jun-19
07341-1000	INTEREST EARNINGS	1907	JE	69511	0	0.63	7/31/2019	INTEREST	INTEREST EARNED JULY 2019		7100.1035
07341-1000	INTEREST EARNINGS	1908	JE	69529	15	0	8/2/2019	REIMBURSE	REIMBURSE S/R FOR JULY 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1908	JE	70031	0	1.11	9/3/2019	INTEREST	INTEREST EARNED AUGUST 2019		7100.1035
07341-1000	INTEREST EARNINGS	1909	JE	70046	15	0	9/3/2019	BANK FEES	REIMBURSE S/R FOR AUGUST 2019	BANK FEES	
07341-1000	INTEREST EARNINGS	1909	JE	70486	0	1.16	10/1/2019	INTEREST	INTEREST EARNED SEPT. 2019		7100.1035
07354-0400	BEGINNING BALANCE										
07354-0400	DCED GRANT	1908	RE	69630	0	29078	8/9/2019	69630 1	WATER & SEWER GRANT	DCED GRANT	
07364-1100	BEGINNING BALANCE										
07364-1100	C.C. TAPPING FEES	1909	RE	70099	0	2000	9/6/2019	70099 1	TAP IN FEE 1518 E STRASBURG RD	C.C. TAPPING FEES	
07364-1130	BEGINNING BALANCE										
07364-1130	CONNECTION FEES - SEWER	1901	CR	66666	0	423	1/30/2019		2629 STOFFLET, MICHAEL		
07364-1130	CONNECTION FEES - SEWER	1902	CR	66820	0	423	2/11/2019		570 JACOBS, ROBERT & CHERYL		
07364-1130	CONNECTION FEES - SEWER	1902	CR	66921	0	423	2/19/2019	138 23	GEORGE SMITH & CHRISTINA CONLE		
07364-1130	CONNECTION FEES - SEWER	1902	JE	66711	141.12	0	2/1/2019	PINE ROCK	ANNUAL PINE ROCK - INTEREST	PMT - STOFFLET	
07364-1130	CONNECTION FEES - SEWER	1902	JE	66824	141.12	0	2/11/2019		2019 ANNUAL PINE ROCK INTEREST PMT	JACOBS	
07364-1130	CONNECTION FEES - SEWER	1902	JE	66922	141.12	0	2/19/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMENT	RC210	
07364-1130	CONNECTION FEES - SEWER	1909	CR	70195	0	423	9/12/2019		269 PAPPANO, JOSEPH & PATRICIA		
07364-1130	CONNECTION FEES - SEWER	1909	JE	70196	141.12	0	9/12/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMENT		
07364-1130	CONNECTION FEES - SEWER	1909	RE	70100	0	60	9/6/2019	70100 1	TAPIN INSPECTION 1518 E STRASB	CONNECTION FEES - SEW	
07380-1000	BEGINNING BALANCE										
07380-1000	MISCELLANEOUS REVENUE	1902	JE	66711	0	141.12	2/1/2019	PINE ROCK	ANNUAL PINE ROCK - INTEREST	PMT - STOFFLET	
07380-1000	MISCELLANEOUS REVENUE	1902	JE	66824	0	141.12	2/11/2019		2019 ANNUAL PINE ROCK INTEREST PMT	JACOBS	
07380-1000	MISCELLANEOUS REVENUE	1902	JE	66922	0	141.12	2/19/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMENT	RC210	
07380-1000	MISCELLANEOUS REVENUE	1902	RE	66923	0	1	2/19/2019	66923 1	SALE OF GENERATOR TO BEALE TWP	MISCELLANEOUS REVENL	
07380-1000	MISCELLANEOUS REVENUE	1909	JE	70196	0	141.12	9/12/2019	PINE ROCK	ANNUAL PINE ROCK INSTALLMENT		
07392-0500	BEGINNING BALANCE										
07392-0500	TRANSFER FROM SEWER OPERA	1901	JE	66495	0	57399.61	1/15/2019	XFER	XFER FR: SEWER TO MA 1/15/19		
07392-0500	TRANSFER FROM SEWER OPERA	1902	JE	66900	0	34587.6	2/15/2019	XFER	XFER FROM SEWER 05 TO MA 07		
07392-0500	TRANSFER FROM SEWER OPERA	1903	JE	67324	0	12508.88	3/14/2019	XFER	XFER \$ FROM 05 TO MA 07 TO	COVER EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERA	1904	JE	67747	0	38312.19	4/10/2019	XFER	XFER TO 07 FROM 05 4/10/19		
07392-0500	TRANSFER FROM SEWER OPERA	1905	JE	68325	0	8789.27	5/16/2019	XFER	XFER \$ FROM 05100.1030 TO MA		7100.1035

07392-0500	TRANSFER FROM SEWER OPERA	1906 JE	68814	0	58265	6/17/2019	XFER \$ FROM SEWER TO MA		
07392-0500	TRANSFER FROM SEWER OPERA	1907 JE	69224	0	4631.25	7/16/2019	XFER \$ FROM SEWER TO MA	7/16/2019	
07392-0500	TRANSFER FROM SEWER OPERA	1908 JE	69671	0	3987.5	8/13/2019	XFER \$ FROM 05100.1030 & 09100	.1035 TO MA 07100.1035	
07392-0500	TRANSFER FROM SEWER OPERA	1909 JE	70170	0	5639	9/11/2019	XFER \$ TO MA FROM 05 & 09		
07392-0900	BEGINNING BALANCE								
07392-0900	TRANSFER FROM SEWER CAP R	1901 JE	66496	0	12132.22	1/15/2019	XFER FROM SEWER SINKING TO MA	1/15/2019	
07392-0900	TRANSFER FROM SEWER CAP R	1902 JE	66902	0	2161	2/15/2019	XFER FROM SEWER CAPITAL 09 TO	MA 07	
07392-0900	TRANSFER FROM SEWER CAP R	1903 JE	67326	0	1729.75	3/14/2019	XFER \$ FROM SEWER SINKING TO	MA 07 TO COVER EXPENS	
07392-0900	TRANSFER FROM SEWER CAP R	1905 JE	68327	0	37.75	5/16/2019	XFER \$ TO MA 7100.1035 FROM	9100.1035	
07392-0900	TRANSFER FROM SEWER CAP R	1906 JE	68815	0	305.5	6/17/2019	XFER \$ FR: SEWER SINKING TO MA		
07392-0900	TRANSFER FROM SEWER CAP R	1907 JE	69225	0	1334	7/16/2019	XFER FROM SEWER SINKING TO MA	7/16/2019	
07392-0900	TRANSFER FROM SEWER CAP R	1908 JE	69671	0	102.25	8/13/2019	XFER \$ FROM 05100.1030 & 09100	.1035 TO MA 07100.1035	
07392-0900	TRANSFER FROM SEWER CAP R	1909 JE	70170	0	1669.71	9/11/2019	XFER \$ TO MA FROM 05 & 09		
07424-1400	BEGINNING BALANCE								
07424-1400	ADMINISTRATIVE WAGES	1903 CD	67467	7587.59	0	3/25/2019	3154 EAST GOSHEN TOWNSHIP - GENERAL	QTR.1-2019 REIMBURSEV	
07424-1400	ADMINISTRATIVE WAGES	1906 CD	68991	7587.59	0	6/28/2019	3166 EAST GOSHEN TOWNSHIP - GENERAL	QTR.2 2019 REIMBURSEV	
07424-1400	ADMINISTRATIVE WAGES	1909 CD	70439	7587.59	0	9/27/2019	3175 EAST GOSHEN TOWNSHIP - GENERAL	Q3-2019 REIMBURSEMEN	
07424-3000	BEGINNING BALANCE								
07424-3000	MISCELLANEOUS EXPENSE	1901 CD	66492	8	0	1/15/2019	3147 PMAA	PA MUNICIPAL AUTH.- PR - BRIGHT FUTURE	
07424-3000	MISCELLANEOUS EXPENSE	1902 CD	66863	8	0	2/14/2019	3148 YAHRAES, JOHN E.	REIMBURSEMENT - PROU PUBLICATION	
07424-3000	MISCELLANEOUS EXPENSE	1902 CD	66865	-8	0	2/14/2019	3148 YAHRAES, JOHN E.	VOID CK. 3148	
07424-3000	MISCELLANEOUS EXPENSE	1905 CD	68323	626	0	5/16/2019	3161 DELAWARE RIVER BASIN COMMISSION	ANNUAL FEE D-2000-030 WATER DISCHARGE	
07424-3110	BEGINNING BALANCE								
07424-3110	MUNIC.AUTH.-AUDITING	1903 CD	67467	7007	0	3/25/2019	3155 MAILLIE FALCONIERO & CO.	2018 FINANCIAL STMT. - I AUTHORITY	
07424-3110	MUNIC.AUTH.-AUDITING	1905 CD	68357	2643	0	5/20/2019	3163 MAILLIE FALCONIERO & CO.	EXAM. MUNIC.AUTH. 2018 STATEMENTS	
07424-3130	BEGINNING BALANCE								
07424-3130	ENGINEERING SERVICES	1901 CD	66492	4864	0	1/15/2019	3146 PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 201	
07424-3130	ENGINEERING SERVICES	1902 CD	66872	5170	0	2/15/2019	3150 PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 C	
07424-3130	ENGINEERING SERVICES	1903 CD	67320	6055	0	3/14/2019	3153 PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 2	
07424-3130	ENGINEERING SERVICES	1904 CD	67745	2875.25	0	4/10/2019	3157 PENNONI ASSOCIATES INC.	SERVICES THRU 3/17/19 2	
07424-3130	ENGINEERING SERVICES	1905 CD	68309	5596	0	5/15/2019	3160 PENNONI ASSOCIATES INC.	SERVICES THRU 4/14/19 2	
07424-3130	ENGINEERING SERVICES	1906 CD	68813	925.5	0	6/17/2019	3165 PENNONI ASSOCIATES INC.	SERV. THRU 5/12/19 2015	
07424-3130	ENGINEERING SERVICES	1907 CD	69220	4171.25	0	7/16/2019	3169 PENNONI ASSOCIATES INC.	SERVICE THRU 6/17/19 - 2; SUPPORT	
07424-3130	ENGINEERING SERVICES	1908 CD	69674	1534.5	0	8/13/2019	3172 PENNONI ASSOCIATES INC.	SERVICE THRU 7/14/19 2	
07424-3130	ENGINEERING SERVICES	1909 CD	70167	4979	0	9/10/2019	3174 PENNONI ASSOCIATES INC.	SERV. THRU 8/11/19 2015	
07424-3140	BEGINNING BALANCE								
07424-3140	LEGAL SERVICES	1901 CD	66492	440	0	1/15/2019	3143 GAWTHROP GREENWOOD & HALSTED	LEGAL SERV. 12/7-12/28/	
07424-3140	LEGAL SERVICES	1902 CD	66872	620	0	2/15/2019	3149 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 1/2-1/14,	
07424-3140	LEGAL SERVICES	1903 CD	67320	260	0	3/14/2019	3152 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICES - FEB.20:	
07424-3140	LEGAL SERVICES	1904 CD	67865	260	0	4/18/2019	3158 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE MARCH 21	
07424-3140	LEGAL SERVICES	1905 CD	68309	400	0	5/15/2019	3159 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - 4/2019 C	
07424-3140	LEGAL SERVICES	1907 CD	69220	460	0	7/16/2019	3168 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 5/13/19	
07424-3140	LEGAL SERVICES	1907 CD	69311	260	0	7/22/2019	3170 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 6/10/19 C	
07424-3140	LEGAL SERVICES	1908 CD	69674	220	0	8/13/2019	3171 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - JULY 201	
07424-3140	LEGAL SERVICES	1909 CD	70167	440	0	9/10/2019	3173 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - AUG.201	
07424-7440	BEGINNING BALANCE								
07424-7440	R.C. CAPITAL-STP	1901 CD	66492	11830.72	0	1/15/2019	3145 JWC ENVIRONMENTAL	SCREEN REPLACEMENT	
07424-7440	R.C. CAPITAL-STP	1905 CD	68357	1972.5	0	5/20/2019	3162 HORN PLUMBING & HEATING INC	50% DEPOSIT - MINI SPLIT	

07424-7440	R.C. CAPITAL-STP	1907 CD	69127	1973	0	7/3/2019	3167	HORN PLUMBING & HEATING INC	FINAL 50% MINI SPLIT HV
07426-1000	BEGINNING BALANCE								
07426-1000	HERSHEY MILL STATION - ENGIN	1901 CD	66492	301.5	0	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 HEI GENERATOR REPLAC
07426-1000	HERSHEY MILL STATION - ENGIN	1902 CD	66872	2161	0	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU: 1/27/19 T
07426-1000	HERSHEY MILL STATION - ENGIN	1903 CD	67320	1729.75	0	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 H
07426-1000	HERSHEY MILL STATION - ENGIN	1905 CD	68309	31.75	0	5/15/2019	3160	PENNONI ASSOCIATES INC.	SERVICES THRU 4/14/19 T
07426-1000	HERSHEY MILL STATION - ENGIN	1906 CD	68813	305.5	0	6/17/2019	3165	PENNONI ASSOCIATES INC.	SERV. THRU 5/12/19 H.N
07426-1000	HERSHEY MILL STATION - ENGIN	1907 CD	69220	456.75	0	7/16/2019	3169	PENNONI ASSOCIATES INC.	SERV. THRU 6/17/19 - H.N
07426-1000	HERSHEY MILL STATION - ENGIN	1909 CD	70167	104.71	0	9/10/2019	3174	PENNONI ASSOCIATES INC.	SERVICE THRU 8/11/19 HI DESIGN FOR GENER
07426-3000	BEGINNING BALANCE								
07426-3000	TALLMADGE DRIVE	1901 CD	66492	42431.4	0	1/15/2019	3144	IRON EAGLE EXCAVATING INC.	EXCAVATING - TALLMADGE REPLACEMENT
07426-3000	TALLMADGE DRIVE	1901 CD	66492	9082	0	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERV. THRU 12/30/18 TAL
07426-3000	TALLMADGE DRIVE	1902 CD	66872	4678.25	0	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 T
07426-3000	TALLMADGE DRIVE	1902 CD	66883	21326.4	0	2/15/2019	3151	IRON EAGLE EXCAVATING INC.	SANITARY SEWER BYPASS CONTROL, FURNISH
07426-3000	TALLMADGE DRIVE	1903 CD	67320	2949.25	0	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 T
07426-3000	TALLMADGE DRIVE	1904 CD	67745	20403.7	0	4/10/2019	3156	IRON EAGLE EXCAVATING INC.	EXCAVATING - TALLMADGE REPLACEMENT
07426-3000	TALLMADGE DRIVE	1904 CD	67745	141.25	0	4/10/2019	3157	PENNONI ASSOCIATES INC.	SERVICES THRU 3/17/19 T SEWER
07426-3000	TALLMADGE DRIVE	1905 CD	68309	1647.75	0	5/15/2019	3160	PENNONI ASSOCIATES INC.	SERVICES THRU 4/14/19 T
07429-1501	BEGINNING BALANCE								
07429-1501	BARKWAY PUMP STATION CAPT	1901 CD	66492	582.21	0	1/15/2019	3146	PENNONI ASSOCIATES INC.	SERVICE THRU 12/30/18 T
07429-1501	BARKWAY PUMP STATION CAPT	1902 CD	66872	2793.45	0	2/15/2019	3150	PENNONI ASSOCIATES INC.	SERVICE THRU 1/27/19 B
07429-1501	BARKWAY PUMP STATION CAPT	1903 CD	67320	2386.13	0	3/14/2019	3153	PENNONI ASSOCIATES INC.	SERVICE THRU 2/24/19 B
07429-1501	BARKWAY PUMP STATION CAPT	1904 CD	67745	297.4	0	4/10/2019	3157	PENNONI ASSOCIATES INC.	SERVICES THRU 3/17/19 T MUFFIN MONSTER
07429-1501	BARKWAY PUMP STATION CAPT	1905 CD	68309	519.52	0	5/15/2019	3160	PENNONI ASSOCIATES INC.	SERVICES THRU 4/14/19 T
07429-1501	BARKWAY PUMP STATION CAPT	1906 CD	68813	52724	0	6/17/2019	3164	IWC ENVIRONMENTAL	MUFFIN MONSTER
07429-1505	BEGINNING BALANCE								
07429-1505	RCSTP CAPITAL	1907 CD	69220	877.25	0	7/16/2019	3169	PENNONI ASSOCIATES INC.	SERV. THRU 6/17/19 - RCS
07429-1505	RCSTP CAPITAL	1908 CD	69674	102.25	0	8/13/2019	3172	PENNONI ASSOCIATES INC.	SERV. THRU 7/14/19 RCST REPLACEMENT
07429-1505	RCSTP CAPITAL	1909 CD	70167	1565.5	0	9/10/2019	3174	PENNONI ASSOCIATES INC.	SERV. THRU 8/11/19 RCST REPLACEMENT

MUNICIPAL AUTHORITY, PROPOSED BUDGET 2020

BEGINNING FUND BALANCE

		2015	2016	2017	2018 YTD	2018	2018	2019	2019	2020		
Account Title	Acct #	Actual	Actual	Actual	2018 YTD	Adopted	Actual	Adopted	Proj	Proposed	\$ Increase	% Increase
REVENUE												
INTEREST EARNINGS	07341 1000	11	(28)	8	(72)	10	144.97	-	-	-	(145)	-100.0%
INTEREST EARNED - CONSTRUCTION	07341 1020	1,494	2,573	10,353	614	50	614	-	-	-	(614)	-100.0%
DCED GRANT	07354 0400	37,162	-	-	-	-	-	32,307	32,307	-	32,307	
C.C. TAPPING FEES	07364 1100	27,600	6,000	8,000	-	8,000	-	-	-	-	-	
R.C.TAPPING FEES	07364 1110	16,296	43,300	-	2,000	2,000	4,000	-	-	-	(4,000)	-100.0%
CONNECTION FEES - SEWER	07364 1130	1,269	1,128	1,128	1,128	1,692	1127.52	846	846	-	(1,128)	-100.0%
MISCELLANEOUS REVENUE	07380 1000	423	564	564	564	-	565	424	424	-	(565)	-100.0%
TRANSFER FROM GENERAL ACCT	07392 0100	-	-	-	71	-	71	-	-	-	(71)	-100.0%
TRANSFER FROM SEWER OPERATING	07392 0500	40,000	77,000	185,000	60,000	89,853	122,000	311,118	255,000	357,000	189,118	155.0%
TRANSFER FROM SEWER CAP RESV	07392 0501							357,000	67,000	350,000	357,000	
TOTAL REVENUE		124,255	130,537	205,053	64,306	101,605	128,522	700,425	355,577	707,000	571,903	445.0%

EXPENSES												
ADMINISTRATIVE WAGES	07424 1400	32,303	30,166	30,896	16,321	32,411	33085.38	32,000	31,000	32,000	(1,085)	-3.3%
MISCELLANEOUS EXPENSE	07424 3000	1,468	1,742	3,189	1,336	2,500	2317	2,382	2,382	65	2.8%	
MUNIC.AUTH.-AUDITING	07424 3110	8,900	8,900	9,200	9,400	9,384	9400	9,663	9,663	263	2.8%	
ENGINEERING SERVICES	07424 3130	33,525	54,100	82,530	53,689	43,260	73406.96	70,000	60,000	60,000	(3,407)	-4.6%
LEGAL SERVICES	07424 3140	4,100	8,593	14,438	2,920	-	4600	8,000	8,000	8,000	3,400	73.9%
RC CAPITAL	07424 7440								15,776			
TALLMADGE DRIVE	07426 3000	-	-	-	12,537	14,000	19232.75		102,660		(19,233)	-100.0%
RESERVOIR PUMP STATION - ENGINEER	07428 1000	144,451	44,571	16,461	188	-	188		-	130,000	(188)	-100.0%
RELINING	07429 1500							130,000		130,000		
BARKWAY PUMP STATION CAPITAL	07429 1501							67,000	67,000		67,000	
ASHBRIDGE PUMP STATION CAPITAL	07429 1502								-		-	
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503							125,000	40,000	45,000	125,000	
HUNT CO PUMP STATION CAPITAL	07429 1504							87,000	-	87,000	87,000	
RCSTP CAPITAL	07429 1501							169,500	10,000	345,000	169,500	
WEST GOSHEN CAPITAL	07429 6100	-	-	1,265,670	102,339	59,736	102,339		-		(102,339)	-100.0%
M.C.-DVRFA-DEBT SERVICE	07471 1000	23,240	24,921	54,040	-	-			-		-	
M.A.-R.C. DEBT SERVICE	07471 1010	-	-	1,948	-	-			-		-	
M.C.-DVRFA-INTEREST PAYM/N	07472 1000	4,169	3,171	-	-	-			-		-	

[illegible]

Jon Altshul

From: Mike Moffa <MMoffa@westgoshen.org>
Sent: Thursday, September 26, 2019 11:43 AM
To: Jon Altshul; Fox, Joshua
Cc: Rick Smith; Mark Miller
Subject: RE: Cashflow

Hi Jon,

I know Josh is away from the office so I will give a brief explanation and he can provide more detail at a later date if necessary. As mentioned by Josh previously, costs were higher than estimated for several reasons, including a significant increase in yard piping and the relocation of existing utilities, a larger building necessary for the COMAG system; the addition of a COMAG Waste Pump Station, an expansive rework of the drain system in the Dewatering Building, the replacement of the roof in the Dewatering Building, an increase in the size and capacity of the HVAC system for the Dewatering Building, and a general increase in steel costs. The Procurement for the COMAG Equipment alone (Clarifier mechanics, mixers, recovery drums, waste & return pumps, and the control panel) was \$1,703,200.

Please note that the estimate I gave is reflective of the total project cost. The previous cost identified for the WWTP Phase 2 project did not include miscellaneous costs like engineering, legal, inspection, and administrative costs. These costs, however, were included as a line item on the cost update sheet provided to you. So, at least some of the increase you are seeing has already been accounted for in your total overall obligation.

I hope this at least answers some of your questions. We were hoping to update everyone at a joint meeting but we haven't received much interest. We will be happy to meet with East Goshen and provide a full, more detailed update.

Thanks for contacting me and please let me know if you have any questions,

Mike

From: Jon Altshul <jaltshul@eastgoshen.org>
Sent: Monday, September 23, 2019 10:13 AM
To: Mike Moffa <MMoffa@westgoshen.org>; Fox, Joshua <jfox@hrg-inc.com>
Cc: Rick Smith <rsmith@eastgoshen.org>; Mark Miller <mmiller@eastgoshen.org>
Subject: RE: Cashflow

Thanks again Mike:

To clarify, we noticed that the estimate for the WWTP Phase 2 figures were about a third higher than they'd been previously. Has there been an increase in the scope of the improvements? Grateful for any insight here.

Jon

From: Mike Moffa [<mailto:MMoffa@westgoshen.org>]
Sent: Thursday, September 19, 2019 3:41 PM
To: Jon Altshul <jaltshul@eastgoshen.org>; Fox, Joshua <jfox@hrg-inc.com>
Subject: RE: Cashflow

Good afternoon Jon,

West Goshen Sewer Authority Project
 Estimated Charges for East Goshen Township
 2019/2020

<u>Bond Related</u>	Estimated Invoice Amount	Possible Invoice Date
WWTP Phase II Improvements	1,747,016	October, 2019
PS Phase II Improvements - Westtown Way (13)	1,096,000	May, 2020
<u>Non-Bond Related</u>		
TMDL Litigation/Misc. Capital - 2019	9,030	March, 2020
Interceptor Multi-Sensor Inspection	1,051	March, 2020
Interceptor Rehabilitation, Phase I	16,062	March, 2020

DRAFT MA Capital Improvement Program, 2020-2024

		2020	2021	2022	2023	2024
Hershey's Mill P/S Generator	R	45,000				
Hunt Country P/S Mag Meter	R	15,000				
Hunt COuntry P/S Muffin Monster	R	67,000				
Ridley Creek STP Generator	R	130,000				
Relining	N	130,000				
Hunt Country P/S Bypass Pump	N	5,000				
RCSTP Flow Meter	R				13,000	
RC Flow Meter	N	55,000	30,000			
RC Caustic Soda Project	N	160,000				
RC SBR Tank Lining	N		61,000	61,000	61,000	61,000
Total		607,000	91,000	61,000	74,000	61,000
Total Replacement		257,000	-	-	13,000	-
Total New		350,000	91,000	61,000	61,000	61,000

Subject: Grants Now Available for Water & Sewer Projects – Apply Today ●

Funding covers municipal waste, sewer, and flood control projects.



Grants Available for Water and Sewer Projects

Is your community looking for funding for your next municipal water, sewer, or flood control infrastructure project? The [H2O PA](#) and the [PA Small Water and](#)

[Sewer program](#) grant programs are accepting applications from municipalities and municipal authorities now through **Dec. 13, 2019**.

H2O PA

There are three H2O PA grant programs for various water-related infrastructure projects. Grant awards are between \$500,000 and \$20 million per project, and applicants must show matching funds.

- [Flood Control](#)
- [High Hazard Dams and Unsafe Dams](#)
- [Water Supply, Sanitary Sewer, and Storm Water Projects](#)

PA Small Water and Sewer

New this year, the [PA Small Water and Sewer program](#) now includes storm sewer and flood control projects, in addition to the program's traditional small water and sewer projects. Grant awards are between \$30,000 and \$500,000 per project, and applicants must show 15% in matching funds.

Questions?

Contact the Site Development Office at 717.787.6245 or by [email](#).



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emm.

Memo

To: Municipal Authority
From: Jon Altshul
Re: Consider Capacity Request for Hankin proposal, 1351 Paoli Pike
Date: October 9, 2019

As you know, the Hankin Group has proposed to build a 170-unit apartment complex and refurbish the existing historical house into an apartment and a restaurant. Hankin estimates that the development will correspond with the equivalent of 176 EDUs, which corresponds with 39,600 GPD of flow. This flow would be conveyed to the West Goshen Plant.

The Board of Supervisors would need to amend the existing Zoning Ordinance for the Business Park District to allow residential uses, in addition to a number of other changes before this development could proceed to Land Development.

Hankin's engineer, DL Howell, has asked for verification that the Municipal Authority's sewer infrastructure has sufficient capacity to handle this additional amount of flow.

A 176-EDU development would correspond with \$352,000 in tap-in fees (\$2,000 x 176). In the event, that the Board amends the Zoning Ordinance and approves the Land Development Plans, 10% of the tap-in fees (or \$35,200) would be due at the time of the approval of the Land Development Plans and the remaining 90% (or \$316,800) would be due when the associated building permits are pulled.

Suggested motion: I move that we direct Township staff to send a letter to DL Howell confirming that there is sufficient capacity in the Township's sewer distribution network and under the Municipal Authority's agreement with the West Goshen Sewer Authority to treat 39,600 GPD at the West Goshen Sewer Treatment Plant, as well as outlining the Municipal Authority's policy for the payment of associated tap-in fees.

Rick Smith

From: Daniel McKenna <dmckenna@dlhowell.com>
Sent: Tuesday, October 08, 2019 10:51 AM
To: Rick Smith
Cc: Amanda Schneider
Subject: Sewer Request Letter
Attachments: Request Letter to East Goshen Township (signed).pdf

Good Morning Rick,

On behalf of the Hankin Group, we have prepared the attached public sewer request letter. This request relates to the proposed project located at 1351 Paoli Pike in East Goshen Township. The project is for 170 apartments and the conversion of an historic dwelling to a restaurant use. Please feel free to contact me if you have any questions or require any additional information.

Thanks,
Dan

Daniel P. McKenna, PE, CPESC
Senior Engineer

D.L. Howell and Associates, Inc.
Civil Engineering, Environmental, Land Planning
1250 Wrights Lane
West Chester, PA 19380

PH: (610) 918-9002
Fax: (610) 918-9003
Cell: (484) 221-1491
Email: dmckenna@dlhowell.com
Web: <http://www.dlhowell.com>
Web: <http://www.howellkline.com>





DLHowell

Civil Engineering & Land Planning
www.DLHowell.com

October 7, 2019

East Goshen Township Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Attn: Mr. Rick Smith, Township Manager

Re: Capacity and Flow Allocation Letter
Hankin Group – Hicks Tract
1351 Paoli Pike
East Goshen Township, Chester County, PA

Dear Mr. Smith,

On behalf of the Hankin Group, D.L. Howell & Associates, Inc. is preparing a plan for the proposed construction of 170 apartments, with a residential unit in an historic house and a 1,250 SF restaurant in an historic house. The approximately 8.1 acre site is located at 1351 Paoli Pike in East Goshen Township, Chester County. Projected flows are based upon an estimated flow of 225 GPD/EDU. The residential unit in the historic house is estimated to have a flow of 225 GPD (1 EDU) and the restaurant space is projected to have a flow of 1,125 GPD (5 EDUs). The proposed apartments are estimated to generate a flow of 38,250 GPD (170 EDUs). The proposed development is estimated to generate a total of 39,600 GPD (176 EDUs). This letter serves as a request for East Goshen Township verification that the sanitary sewer line in which the proposed project will flow through has conveyance capacity and allocated flow to handle the projected increase in sanitary wastewater.

We are requesting written documentation from East Goshen Township that the proposed project is within the public sewer system area and that there is capacity for conveyance and treatment. Please provide us with the requested letter or any comments you may have so that we can complete our contracted obligations for our client.

Return correspondence may be sent to our West Chester Office. Please feel free to contact our office should you have questions, comments, or require additional information. Thank you for your cooperation with this proposed project.

Sincerely,

D.L. HOWELL & ASSOCIATES, INC.

Daniel P. McKenna, PE, CPESC
Senior Engineer

Region 1 Dinner Meeting

Date & Time: **Thursday, November 14, 2019**
6:30 pm Cocktails & Hors d'oeuvres
7:30 pm Dinner

Location: **Presidential Caterers of Distinction**
2910 DeKalb Pike (Route 202)
East Norriton, PA 19401-1596
www.presidentialctr.com

Price: \$50.00 per person

Topics: **Update on Legislative Issues Affecting Authorities**
PMAA Staff

PFAS Issues Update - Region 1
Tim Hagey, Warminster Township Municipal Authority

Upcoming Region 1 Training Program
"How to Attract & Retain High Quality Employees"
John Schmidt, Chalfont-New Britain Township Joint Sewer Authority
Shannon Drosnock, Montgomery Township Sewer Authority

Water and Sewer Intern Program - Discussion
Michael Sullivan, Warwick Township Water and Sewer Authority.

RSVP: Wednesday, November 6, 2019

Menu: Buffet including Organic Mixed Greens, Carving Display of Roast Beef, Roasted Chicken Saltimbocca, Grilled Mahi Mahi, Pasta Primavera and Chocolate Mousse

Please return your reservation form with payment to:
North Wales Water Authority, P.O. Box 1339, North Wales PA 19454
Attn: Ritajeane Joyce, NWWA Executive Assistant

PLEASE MAKE ALL CHECKS PAYABLE TO "PMAA REGION 1"

**For additional information or assistance please contact Ritajeane Joyce at (215)-699-2378 x 147
or you may contact us by email at: rjoyce@nwwater.com**

Authority (or Company) Name: _____

Guests Attending:

Deadline for reservations: Wednesday, November 6, 2019

