

**EAST GOSHEN MUNICIPAL AUTHORITY**

**September 11, 2023**

**7:00**

**1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**

- Ask if anyone will be taping the meeting

**2. CHAIRMAN'S REPORT/OTHER MEMBERS' REPORTS**

**3. SEWER REPORTS**

- Director of Public Work's Report
- Pennoni Engineer's Report
- Big Fish Environmental Report

**4. APPROVAL OF MINUTES**

- August 14, 2023

**5. APPROVAL OF INVOICES**

- There are no Pennoni invoices this month.
- Lenni Invoice #230571 \$18,930.40 (paid)

**6. LIAISON REPORTS**

**7. FINANCIAL REPORTS**

- a. August 2023

**8. OLD BUSINESS**

9. **2023 Goals:**

<b>Goal</b>	<b>Status</b>
Ridley Creek plant compliance	January, February, March, April, May, June, July, & August were in compliance and met all requirements.
Continue to implement infiltration and inflow for the sewer system	Ongoing.
RCSTP UV Disinfection System	Getting materials ready. The temporary tank is here and the jib crane is being ordered.
Replace sewer line - Hershey Mill Estates trunk line	Complete.

10. **NEW BUSINESS**

11. **CAPACITY REQUESTS**

12. **ANY OTHER MATTER**

- Award bid for Chester County Interceptor

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  
610-692-7171

To: Municipal Authority

From: Mark Miller

Re: September 11, 2023, Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 732,643 per day.

**Meters:**

- Were read on a daily basis.
- Allied Controls was onsite to perform the quarterly calibration on the interceptor meters.
- Lynn noticed a low flow reading at the Hibberd Lane Meter. We went and rebooted the meter but it was still reading low. John Laidley was notified and he came out and ran a diagnostic check on the meter.

**C.C. Collection:** The pump stations were visited on daily basis with no problems to report.

**C.C. Interceptor:** Was inspected as part of our routine maintenance. The line was mowed and vegetation was removed from around the manhole.

**R.C. Collection:** The pump stations were visited on a daily basis with no problems to report.

**Ridley Creek Plant:**

- Routine maintenance was performed.
- We had another problem with the pump for Applebrook: it appears that the overload block burned up.
- On August 28<sup>th</sup>, we came in at 2:00 am and pumped the final effluent pit down and utilized Pipe Data View to clean the tank. We are also looking at how many spikes we have taken from PECO.
- Number 2 generator broke a drive belt and the idler pulley went bad and had to be replaced.

**Hershey Mill Trunk Line:** We met with the contractor last week and walked the line. He is scheduled to come after Labor Day to lay topsoil and seed various areas. They will begin to remove the filter sock in the areas that are established.

**Westtown Way Pump Station:** I stopped down last Wednesday and there was nothing going on - they are still waiting on materials. Dave and I have a meeting at the end of the month with Mike Moffa and the other partners.

**Alarms:** 12

**PA One Calls:** 57

**Monthly Rainfall:** 2.40"

**Lateral Repairs or Caps:** 1 lateral repair (Linden Ln) & 10 caps

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**ENGINEER'S REPORT**  
September 8, 2023

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

- Caustic Soda Conversion – Once the outdoor emergency shower is installed, the tank can be put into operation. We also prepared draft O&M Manual information for the system that will be submitted to the Township and operator for review.
- UV Disinfection System – The temporary channel was delivered to the Township on August 24. As of August 15, Glasco stated about 3-4 weeks were still needed for fabrication of the UV modules before delivery, and we are awaiting a definitive delivery date.

The contractors, Lenni and Zimmerman, provided their bonds and insurance documents. All were found acceptable. The contracts were subsequently executed.

A pre-construction meeting with both contractors, John Laidley (controls contractor), Big Fish, Pennoni, and the Township was held on August 15. The 1<sup>st</sup> Notice to Proceed letters for the temporary work will be issued within the upcoming week.

We coordinated with vendors and obtained cost quotes for the jib crane and the bypass pumps with control boxes. We obtained three quotes for the jib crane, and we understand the Township has placed an order. We obtained two quotes for the purchase of two submersible pumps and control boxes, and we are awaiting a third at the time of this report. Purchasing is less expensive than renting for the expected 5-month duration of construction. The lead times for the jib crane and pumps are 3-4 weeks after orders are placed.

An updated tentative construction schedule follows:

- 1<sup>st</sup> Notice to Proceed to Contractors: Temporary Bypass Work – September 11-12, 2023
- Initiate Temporary Bypass Work – Week of September 11, 2023
- Delivery of Permanent UV Equipment – Mid-September 2023
- Delivery of Jib Crane and Bypass Pumps – Early-Mid October 2023
- Complete Temporary Bypass Work and Initiate Use of Bypass System – November 8, 2023
- Two Week Trial and Sampling of Temporary Bypass System – November 8-22, 2023
- Township to Perform Concrete Channel Work – November 27, 2023-January 18, 2024
- 2<sup>nd</sup> Notice to Proceed to Contractors: Permanent Work – January 19, 2024
- Redirect Flow back to Permanent Channel (30 days of 2<sup>nd</sup> NTP) – February 29, 2024
- Two Week Trial of New UV System in Permanent Channel – February 29-March 14, 2024
- Install Second UV Module into Permanent Channel – March 18, 2024
- Two Week Trial of Second New UV System in Permanent Channel – March 19-April 2, 2024
- Construction Completed – Early April 2024

- Generator #2 Replacement – Premium Power Services released the Cummins' 500 kW diesel generator for fabrication in early March 2023. The lead times on the generator and ATS are 43 weeks and 22 weeks respectively so we expect delivery of the entire system around January 2024. We have initiated design for the electrical installation and are evaluating the need for slab replacement/modifications. We will prepare a slab design if needed.
- Operating Cost Analysis – We are continuing to coordinate with Scott Towler for the evaluation of industry WWTP operating costs in an effort to benchmark RCSTP costs against other similar WWTPs.

### **Sanitary Sewer Pipe Rehab**

- Chester Creek Sewer Rehab – The bid went live on PennBID on August 17, and a virtual pre-bid meeting occurred on August 23. We responded to bidders' questions and issued one addendum. Bids were opened on PennBID on September 7. There were 3 bids. We provided an award recommendation and bid tabulation.
- Hershey's Mill Estates – Punchlist work and permanent restoration is ongoing, and we have been performing part-time construction observation.
- Ridley Creek Exposed Sewer Rehab – A full PADEP permit application has been prepared and will be submitted to PADEP in follow-up to the emergency authorization now that construction has been completed.

### **New Connections**

- 1010 Hershey Mill Road (Moser) – We reviewed revised Land Development Plans and provided comments on the proposed sanitary sewer extension. We met virtually thereafter with the design consultant to discuss resolution of the comments.
- 301 Reservoir Road (5-Lot Residential Subdivision) – No activity since our last report.
- 1712 E. Boot Road – No activity since our last report.
- 14 Reservoir Road – No activity since our last report.

END OF REPORT



**Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 has met all effluent limitations regarding water quality for August 2023. All supplemental reports were submitted for July 2023 with the eDMR Discharge to the Applebrook irrigation lagoon being discontinued on August 19<sup>th</sup>. Chemical usage utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution volumes decreased slightly to a daily average of 68.6 from the previous average of 71.6 gallons per day. No significant mechanical or operational issues were observed during the sludge dewatering equipment or SBR treatment process. Sludge dewatering experienced no mechanical issues impacting production. There were no odor complaints during the month.

**Table 1**

<b>August 2023- Final Effluent - Outfall 001</b>													
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		Total Nitrogen		TSS		NH <sub>4</sub> -N		Total Phosphorus		Fecal Coliform	
	MGD	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	Average	10	62	Report	Report	10	62	2.5	44	0.5	3	200	1,000
	Inst. Max	20	94			15	94	5		1			
Sample Date													
August 1, 2023	0.238	2.0	4.0	7.18	14.3	8.8	17.5	0.10	0.20	0.11	0.22	1	0.0000
August 8, 2023	0.252	2.0	4.2	7.39	15.5	6.0	12.6	0.10	0.21	0.10	0.21	2	0.3010
August 15, 2023	0.227	2.0	3.8	6.50	12.3	5.6	10.6	0.10	0.19	0.11	0.21	4	0.6021
August 22, 2023	0.295	2.0	4.9	6.95	17.1	4.8	11.8	0.10	0.25	0.17	0.42	1	0.0000
August 29, 2023	0.285	2.0	4.8	8.28	19.7	4.0	9.5	0.10	0.24	0.11	0.26	2	0.3010
Average	0.259	2.0	4.3	7.26	15.8	5.8	12.4	0.10	0.22	0.12	0.26	2	0.2408
Minimum	0.227	2.0	3.8	6.50	12.3	4.0	9.5	0.10	0.19	0.10	0.21	1	0.0000
Maximum	0.295	2.0	4.9	8.28	19.7	8.8	17.5	0.10	0.25	0.17	0.42	4	0.6021

**Treatment Process Operation**

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for August 2023. The monthly average total phosphorus was reported as 0.12 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits. The results remain below the weekly maximum of 15 mg/L. The average TSS is reported as 5.8 mg/L compared to the discharge limitation of 10 mg/L.

The final effluent test results demonstrate that the biological treatment performed well during August. The sequencing batch reactors (SBRs) numbered 2, 3, and 4 were in 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 grabs samples for total

phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Discharge to the Applebrook irrigation lagoon, outfall 002 discontinued on August 19<sup>th</sup>.

Table 2 illustrates the final effluent composite sample data reported for outfall 002 for August 2023. **Table 2**

<b>August 2022 - Applebrook - Out Fall 002</b>													
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		Total Nitrogen		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD Average	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	0.135	25		Report	Report	30		7.0	44	0.5	3	200	1,000
		40				45							
August 1, 2023	0.0367	2.0	0.6	7.18	2.20	8.80	2.69	0.10	0.20	0.11	0.22	1	0.0000
August 8, 2023	0.0381	2.0	0.6	7.39	2.35	6.00	1.91	0.10	0.21	0.10	0.21	2	0.3010
August 15, 2023	0.0346	2.0	0.6	6.50	1.88	5.60	1.62	0.10	0.19	0.11	0.21	4	0.6021
August 22, 2023	0.0000												
August 29, 2023	0.0000												
<b>Average</b>	0.0219	2.0	0.61	7.02	2.14	6.80	2.07	0.10	0.20	0.11	0.21	2	0.3010
<b>Minimum</b>	0.0000	2.0	0.58	6.50	1.88	5.60	1.62	0.10	0.19	0.10	0.21	1	0.0000
<b>Maximum</b>	0.0381	2.0	0.64	7.39	2.35	8.80	2.69	0.10	0.21	0.11	0.22	4	0.6021

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility generally remained within the design concentration and organic loading values. The TSS and CBOD<sub>5</sub> monthly average weekly concentrations were generally observed to be within the design parameters for the treatment process.

Table 3 presents the pollutant data for the influent wastewater collected at the doghouse manhole during August 2023.

**Table 3**

<b>August 2023 - Influent Wastewater</b>													
Design Basis	Flow	BOD <sub>5</sub>		CBOD <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	mg/L	lbs/day
	MGD Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
<b>Sample Date</b>													
August 1, 2023	0.271	188	424	206	465	250	564	41.9	95	61.0	138	6.0	13.5
August 8, 2023	0.307	165	422	190	486	198	507	44.5	114	58.1	149	7.03	18.0
August 15, 2023	0.239	210	419	182	363	196	391	44.0	88	56.0	112	6.01	12.0
August 22, 2023	0.310	208	538	285	738	238	616	41.6	108	57.0	148	6.24	16.1
August 29, 2023	0.288	231	556	211	508	230	553	54.6	131	74.0	178	7.62	18.3
<b>Average</b>	0.283	200	472	215	512	222	526	45.3	107	61.2	145	6.57	15.6
<b>Minimum</b>	0.239	165	419	182.0	363	196	391	41.6	88	56.0	112	5.97	12.0
<b>Maximum</b>	0.310	231	556	285	738	250	616	54.6	131	74.0	178	7.62	18.3



The foam on the SBR surface remained consistent during August, with approximately 5% to 15% coverage of the surface area. The foam thickness is approximately 2 inches and is light to medium brown. These conditions may contribute to a decrease in clarity within the final effluent post-flow equalization basins; however, the clarity is improved after passing through the disc filters. The operation strategy is to lower the MLSS to maintain a F:M ratio 0.06 while ensuring the ammonia effluent discharge concentration remains within the 2.5 mg/L seasonal limits.

**PA DEP**

No activity

**Pennonni Associates**

Correspondence, emails, and review of plans and documents for the UV system.

**Significant Rainfall**

During August, there were eight (8) days when rainfall occurred and three (3) days where rainfall exceeded 0.5 inches in 24 hours.

August 7<sup>th</sup>                    0.52 inches  
 August 8<sup>th</sup>                    0.62 inches  
 August 11<sup>th</sup>                   0.52 inches

The total rainfall for August was a total 2.55 inches.

**Chemical Data**

<b>August 2023</b>		
<u>Chemical</u>	Daily Average	Total Monthly
<u>Soda Ash, pounds</u>	300	9,300
<u>Aluminum Sulfate solution, gal</u>	68.6	2,127
<u>Sludge Dewatering, gal*</u>	16,032	384,773

\*24 days of sludge dewatering

**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 buildings and laboratory.

**Flow Data**

<b>August 2023</b>			
<b>Flow Meter Location</b>	<b>Total Volume for Month, MG</b>	<b>Average Daily Flow, gpd</b>	<b>Daily Maximum Flow, gpd</b>
Influent Wastewater to Screening Building*	9.152	295,230	363,490
Influent Wastewater to SBRs*	11.507	371,201	455,713
Internal Recycle**	2.355	75,972	101,246
Treated Effluent to Disc Filters	11.221	361,961	484,096
Final Effluent Discharge	8.182	264,000	346,000
Applebrook Golf Course	0.556	35,397	41,664

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**August 14, 2023**

The East Goshen Township Municipal Authority held their regular meeting on Monday, August 14, 2023 at 7:00 pm. at the Township Building. Members in attendance are indicated in

**BOLD:**

**Kevin Cummings, Chairman**

Dana Pizarro, Vice Chairman

**Jack Yahraes**

Carmen Battavio

**Walter Wujcik**

**Also in attendance were:** Mark Miller (Director of Public Works), Mike Ellis (Pennoni representative), Ellen Koopman (Attorney), Dave Ware (Finance Director), and Michael Lynch (Township Supervisor).

**COMMON ACRONYMS:**

*ATS – Automatic Transfer Switch*

*BFES – Big Fish Environmental Services*

*BOS – Board of Supervisors*

*CB – Conservancy Board*

*DEP – Department of Environmental Protection*

*EPA – Environmental protection Agency*

*HC – Historical Commission*

*I&I – Inflow & Infiltration*

*LCSTP – Lockwood Chase Sewer Treatment Plant*

*PWD – Public Works Department*

*MA- Municipal Authority*

*NPDES – National Pollutant Discharge Elimination System*

*PC – Planning Commission*

*PM – Prevention Maintenance*

*PR – Park & Recreation Board*

*RCSTP – Ridley Creek Sewer Treatment Plant*

*SBR – Sequencing Batch Reactor*

*SSO – Sanitary System Overflow*

*WAS – Waste Activated Sludge*

**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.

He asked for a moment of silence for our First Responders and Military.

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

**Chairman’s Report**

None

**SEWER REPORTS**

**1. Director of Public Works, Mark Miller’s report for August 14, 2023**

**Monthly Flows** – The average daily flow to West Goshen was 742,524 gallons per day.

**Meters:** The meters were read on a daily basis. We had a power problem with the Hibberd Lane meter and had to reboot to get it back in operation.

1  
2  
3 **C.C. Collection:**

4 Pumping stations were checked on a daily basis with no problems to report. We did have a power  
5 failure on the Ashbridge station for an extended period of time. We replaced lids and castings on  
6 Killern Lane (3) and Parry Circle (2) as part of our paving program.  
7

8 **C.C. Interceptor:** Routine mowing and manhole inspections were performed.  
9

10 **R.C. Collection:** The pumping stations were checked on a daily basis. We had no problems for the  
11 month. We replaced 57 castings and lids in the Bowtree Development as part of our paving program.  
12

13 **Ridley Creek Plant:**

14 We had to pull the utility water pump for Applebrook golf course. It appears that a metal object was  
15 sucked up into the pump causing extensive damage.  
16

17 **Alarms:** 27 were received, most due to power failures from storms  
18

19 **PA 1 Calls:** 68 for the month  
20

21 **Monthly Rainfall:** 7.65 inches of rain for the month of July.  
22

23 **Lateral Repairs or Caps:** Replaced 16 in Bowtree and 7 on the Chester Creek system.  
24  
25

26 **2. Pennoni Engineer's Report dated August 11, 2023**  
27

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

- 29
- 30 • Caustic Soda Conversion – We received the 60-day Temporary Tank Permit from PADEP on  
31 July 21, 2023. Once the outdoor emergency shower is installed, the tank can be put into  
operation.
  - 32 • UV Disinfection System – The system is being fabricated, and delivery was previously  
33 scheduled for mid-August 2023. We are awaiting a definitive delivery date from the vendor.

34 The general and electrical construction contract bids were awarded at a Special MA Meeting  
35 on July 27. Lenni was awarded the electrical contract, and Zimmerman was awarded the  
36 general contract. We notified them of the awards, and they are preparing their bonds and  
37 insurance documents. Upon receipt of those documents, the contract will be executed and the  
38 1<sup>st</sup> Notice to Proceed will be issued. To be prepared for construction to commence  
39 immediately upon NTP, a pre-construction meeting with both contractors, John Laidley  
40 (controls contractor), Big Fish, Pennoni, and the Township is scheduled for August 15.

41 Additionally, we met with Chas (Public Works) on August 9 at the RCSTP to go over the  
42 concrete structural work the Township will complete for the project.

1 We obtained the attached quotes from Rain for Rent to purchase vs. renting pumps that will  
2 be temporarily set in the filter tanks to bypass flow to the temporary UV channel. We asked  
3 the supplier to confirm their quote and Costars pricing, and we are awaiting a revised  
4 submission. The intention is to purchase three pumps (one for each filter and one back-up)  
5 rather than rent due to a minimal cost different between purchasing and renting and to  
6 mitigate cost risk if the project takes longer than planned and the rental period has to be  
7 extended.

8 We also obtained the attached quote for the crane and hoist for which we are also following  
9 up with the vendor on Costars affiliation before recommending approval.

10 An updated tentative construction schedule follows:

- 11 ○ 1<sup>st</sup> Notice to Proceed to Contractors: Temporary Bypass Work – August 21, 2023
- 12 ○ Delivery of UV Equipment – Mid-August 2023
- 13 ○ Complete Temporary Bypass Work and Initiate Use of Bypass System – October 23, 2023
- 14 ○ Two Week Trial and Sampling of Temporary Bypass System – October 23-November 3, 2023
- 15 ○ Township to Perform Concrete Channel Work – November 6-December 28, 2023
- 16 ○ 2<sup>nd</sup> Notice to Proceed to Contractors: Permanent Work – December 29, 2023
- 17 ○ Redirect Flow back to Permanent Channel (30 days of 2<sup>nd</sup> NTP) – January 29, 2024
- 18 ○ Two Week Trial of New UV System in Permanent Channel –January 29-February 9, 2024
- 19 ○ Install Second UV Module into Permanent Channel – February 12, 2024
- 20 ○ Two Week Trial of Second New UV System in Permanent Channel – February 13-27, 2024
- 21 ○ Construction Completed – Early March, 2024

- 22 ● Generator #2 Replacement – No activity by Pennoni since our last report. Premium Power  
23 Services released the Cummins’ 500 kW diesel generator for fabrication in early March 2023.  
24 The lead times on the generator and ATS are 43 weeks and 22 weeks respectively so we  
25 expect delivery of the entire system around January 2024. We plan to initiate design for the  
26 electrical installation and any slab replacement/modifications in the next month.
- 27 ● Operating Cost Analysis – We are coordinating with Scott Towler for the evaluation of  
28 industry WWTP operating costs in an effort to benchmark RCSTP costs against other similar  
29 WWTPs.

### 30 **Sanitary Sewer Pipe Rehab**

- 31 ● Chester Creek Sewer Rehab – We are finalizing the bid document for inspection and  
32 rehabilitation of the interceptor sewers from East Strasburg Road to the Westtown Way meter  
33 pit. The bid approach follows:
  - 34 1. The sewers highlighted in yellow on the attached “Quad Map 3” exhibit were TV’d by  
35 Township Public Works earlier in 2023. Specific repairs are included in the Base Bid  
36 based upon that TV inspection including full-length cured-in-place pipe lining of the  
37 sewer from MH C027 to C026, manhole and pipe injection grouting in several isolated  
38 locations to seal leaks, removal of asphalt debris, and a top hat seal at a leaking lateral  
39 connection to the main. One lateral will also be TV’d as part of the contract to locate  
40 the source of heavy clean water, and we are including pipe lining of that lateral as a  
41 bid item should that repair be determined necessary after the contractor TVs the

1 lateral.

- 2 2. The Base Bid also includes cleaning and TV'ing of the interceptor sewers downstream  
3 of MH C026 all the way to the Westtown Way meter pit. Those sewers are depicted in  
4 the purple in the exhibit (disregard the purple sewers upstream of MH C035; those are  
5 not in the scope). We will review the TV investigations as they are performed by the  
6 contractor and determine necessary repairs.
- 7 3. Since repairs in those downstream sewers will not be known until the contractor  
8 performs the TV'ing, the bid document includes numerous Add Items for typical  
9 repairs to obtain competitive pricing. Bid quantities for those items, such as pipe lining  
10 and manhole grouting, are based on the same percentage of repairs needed for the  
11 yellow highlighted sewers. This approach will allow for competitive pricing, and for  
12 the Township to commission as many repairs as possible within the available budget  
13 once TV'ing is completed.
- 14 4. Supplee Valley pipe lining is NOT included in this bid document since the available  
15 budget for that will not be known until the Chester Creek interceptor work is  
16 completed. If there is remaining budget after the Chester Creek interceptor work, a  
17 separate solicitation will then be put out for Supplee Valley sewers.

18 The proposed project schedule follows:

- 19 ○ Advertisements – August 16 and 21  
20 ○ Bids Due – September 5  
21 ○ Award Consideration – September 11<sup>th</sup> BOS meeting  
22 ○ Construction – October thru December
- 23 ● Hershey's Mill Estates – No activity since our last report. Punchlist work and permanent  
24 restoration remain to be completed. The contractor previously stated they would perform the  
25 remaining work in September, and we have reached out to them for a more definitive  
26 schedule.
- 27 ● Ridley Creek Exposed Sewer Rehab – A full PADEP permit application has been prepared  
28 and will be submitted to PADEP in follow-up to the emergency authorization now that  
29 construction has been completed.

30 **New Connections**

- 31 ● 1010 Hershey Mill Road (Moser) – We reviewed the PADEP Sewage Facilities Planning  
32 Mailer. The Mailer has been found acceptable, and it was signed by the Township. It has been  
33 returned to the Design Consultant to submit to PADEP. The Applicant also submitted revised  
34 Land Development Plans, and we are currently reviewing the sanitary sewer design on those  
35 plans.
- 36 ● 301 Reservoir Road (5-Lot Residential Subdivision) – No activity since our last report.
- 37 ● 1712 E. Boot Road – We reviewed PADEP Sewage Facilities Planning Mailer, which was  
38 found acceptable and was subsequently signed by the Township. It has been returned to the

1 Applicant to submit to PADEP.

- 2 • 14 Reservoir Road – No activity since our last report

3  
4 **3. Big Fish Environmental Services –**

5 The Ridley Creek sewage treatment plant outfall 001 has met all effluent limitations regarding water  
6 quality for July 2023. All supplemental reports were submitted for the month of June 2023 with the  
7 eDMR. Discharge to the Applebrook irrigation lagoon continued throughout June. Chemical usage  
8 utilized for total alkalinity remained consistent with previous months. Aluminum sulfate solution  
9 volumes remained consistent at a daily average of 71.6 to achieve phosphorus removal. No  
10 significant mechanical or operational issues were observed during the sludge dewatering equipment  
11 or SBR treatment process. Sludge dewatering experienced some mechanical issues impacting  
12 production. There were no odor complaints during the month.

13  
14 **Approval of Minutes**

15 The minutes of the regular July 10, 2023 meeting were approved. The minutes for the special  
16 meeting on July 27, 2023 were approved as amended.

17  
18  
19 **Approval of Invoices**

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

- 21 a. Pennoni Invoice #1181046 \$ 2,900.00
- 22 b. Pennoni Invoice #1181152 \$ 5,626.50

23 Walter seconded the motion. The motion passed unanimously.

24  
25 2. Walter moved to approve the Gawthrop Greenwood invoices:

- 26 a. Invoice #275334 \$ 348.50
- 27 b. Invoice #27923 \$1,791.50

28 Jack seconded the motion. The motion passed unanimously.

29  
30 3. Walter moved to approve payment of the JWC Environmental invoice #COSTARS#391243 in  
31 the amount of \$16,542.00. Jack seconded the motion. The motion passed unanimously.

32 4. Jack moved to approve payment of the Geiger invoice #Q-230706-12576-L6-0 in the amount of  
33 \$12,809.50. Walter seconded the motion. The motion passed unanimously.

34 5. Jack moved to approve payment of the BDS (RCSTP pump) invoice #RFQ 6816910 in the  
35 amount of \$17,625.00. Walter seconded the motion. The motion passed unanimously.

36 6. Walter moved to approve payment of the Chester County Coating invoice #38775 in the amount  
37 of \$209.00 (paid). Jack seconded the motion. The motion passed unanimously.

38  
39 **Liaison Reports**

40 **1. Conservancy Board** – Walter reported that the Board received a proposal from CRC Watersheds to  
41 plant 125 trees in Applebrook. They will give their presentation to the Board of Supervisors at their  
42 meeting tomorrow.

43 **1. Board of Supervisors** – Mike Lynch reported that David Woodward, Public Works Director for  
44 West Goshen passed away.

1 **Financial Reports**

2 Dave Ware presented the following report:

3 Year to date July 2023, the Municipal Authority recorded \$484,172 in revenues (primarily from  
4 Sewer Operating and Sewer Capital Reserve transfers and tapping fees) and \$528,226 in expenses  
5 (Engineering Services, Audit fees, Administrative Wages, Hershey’s Mill Estates Sewer costs,  
6 Caustic Soda project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, capital  
7 improvements to the Westtown Way Pump station, auditor and legal fees). The net result of  
8 operations of (\$44,054). As of July 31, 2023, the fund balance was (\$38,882). This negative  
9 balance is a function of balance versus cash reporting. There is \$46,977 in invoices being held so the  
10 actual cash balance is \$8,094.

11  
12 **Old Business**

13 None

14  
15 **Goals**

16 The Goals were reviewed.

17  
18 **New Business –**

19 **New Equipment at Ridley Creek Plant:**

20 1. Jack moved to approve Pennoni’s request for a supplement of \$4,000 to cover costs for the UV re-  
21 bid project. Walter seconded the motion. The motion passed unanimously.

22  
23 **Capacity Requests - None**

24  
25 **Any Other Matter –**

26 1. Willistown residents, Julie Frissora and Beau Pettinos were present at this meeting. Willistown is  
27 working to form a Municipal Authority, so they came to see how East Goshen’s MA operates. Kevin  
28 welcomed them and commented that East Goshen is willing to assist them.

29  
30 **Correspondence- None**

31  
32  
33 **Public Comment - None**

34  
35  
36 **Adjournment**

37 There being no further business Walter moved to adjourn the meeting. Jack seconded the motion.

38 The motion passed unanimously. The meeting was adjourned at 8:00 pm.

39 The next regular meeting will be held on Monday, September 11, 2023 at 7:00 pm.

40  
41 Respectfully submitted,

42  
43  
44 Ruth Kiefer, Recording Secretary





1020 Andrew Drive  
West Chester PA 19380  
610-436-9922

# Service Invoice

Invoice#: 230571

Date: 05/31/2023

**Billed To:** East Goshen Township  
1580 Paoli Pike  
West Chester PA 19380

**PAID**

**Project:** 32353  
RIDLEY CREEK STATION  
1751 TOWN DR.  
WEST CHESTER PA 19380

**Scheduled:** 04/07/2023  
**Time:**

**Employee:**

**Order#:**

Description	UM	Quantity	Price	Ext Price	
RIDLEY CREEK STATION PIPING FOR CAUSTIC SODA TANK 4-7-23, 4-10-23, 4-11-23, 4-12-23, 4-13-23, 4-20-23, 4-21-23, 4-24-23 4-25-23, 4-26-23, 4-27-23, 4-28-23, 5-3-23, 5-4-23, 5-11-23 RAN 1" RIGID PIPE FOR CAUSTIC SODA TANK; RAN DATA CONDUIT FOR CONTROL ROOM; CORE HOLES AND RELOCATE PIPE FOR CAUSTIC SODA TANK AND COMPLETED PIPING OUTSIDE; PULLED ALL WIRE; INSTALLED DEVICES; WIRED CONTROL PANELS; INSTALLED UNISTRUT FOR PLUMBING CONDUITS; RAN CONDUITS FOR HOSE LINES; COMPLETE.					
ELECTRICIAN	PROVED BY: <u>WLSH</u>	HR	113.00	90.00	10,170.00
APPRENTICE	DATE PAID: _____	HR	101.00	72.00	7,272.00
LABORER	CHECK #: _____	HR	12.00	70.00	840.00
THQB GFT BREAKER	CHARGED TO: <u>07-429-1520</u>	EA	1.00	156.25	156.25
THQB GFEP BREAKER	<u>Capital Project</u>	EA	1.00	196.25	196.25
MISC. HARDWARE		LS	1.00	15.90	15.90

Terms are Net 30 days.  
Balances over 30 days are subject to a finance charge of 2% per month.  
Thank you for your prompt payment!

Non-Taxable Amount:	18,930.40
Taxable Amount:	0.00
Sales Tax:	0.00
<b>Amount Due</b>	<b>18,930.40</b>

Service Invoice

Invoice#: 230571

Continued...

Date: 05/31/2023

Description	UM	Quantity	Price	Ext Price
SERVICE TRUCK	DY	7.00	40.00	280.00

Notes:

# Memo

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To: Municipal Authority  
From: Dave Ware  
Re: MA August 2023 YTD Financial Report  
Date: September 7, 2023

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YTD August 2023, the Municipal Authority recorded \$514,158 in revenues (primarily from Sewer Operating transfers, Sewer Capital Reserve transfers, and tapping fees) and \$510,928 in expenses (Engineering Services, Audit Fees, Administrative Wages, Hershey's Mill Estates Sewer costs, Caustic Soda project costs, capital costs at the Ridley Creek Sanitary Treatment Plant, capital improvements to the Westtown Way Pump station, auditor and legal fees). The net result of operations is \$3,229. As of August 31, 2023, the fund balance was (\$38,575). This negative balance is a function of balance versus cash reporting. There is \$46,977 in invoices being held so the actual cash balance is \$3,229.

Attached is a complete list of 2023 full year MA revenues and expenses.

**EAST GOSHEN TOWNSHIP**  
**Municipal Authority Fund**  
**August 2023**

Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
<b>REVENUE</b>				
07-341-1000	INTEREST EARNINGS	0.00	164.53	2.22
07-354-0400	DCED GRANT	152,980.00	0	0
07-364-1100	C.C. TAPPING FEES	2,300.00	0.00	2,300.00
07-364-1110	R.C.TAPPING FEES	2,000.00	4,882.72	897.84
07-364-1130	CONNECTION FEES - SEWER	1,000.00	563.76	563.76
07-380-1000	MISCELLANEOUS REVENUE	282.24	282.24	282.24
07-392-0500	TRANSFER FROM SEWER OPERATING	100,000.00	65,023.00	62,393.85
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	1,471,553.00	443,241.34	122,672.22
	<b>Total Revenue</b>	<b>1,730,115.24</b>	<b>514,157.59</b>	<b>189,112.13</b>
<b>EXPENSES</b>				
07-424-1400	ADMINISTRATIVE WAGES	32,055.45	19,343.25	16,744.10
07-424-3000	MISCELLANEOUS EXPENSE	1,748.79	1,655.25	1,665.25
07-424-3110	MUNIC.AUTH.-AUDITING	10,815.00	10,500.00	10,250.00
07-424-3130	ENGINEERING SERVICES	47,250.00	25,522.00	32,927.75
07-424-3140	LEGAL SERVICES	8,400.00	5,432.50	4,340.00
07-424-7440	R.C. CAPITAL-STP	355,793.00	0.00	0.00
07-424-7490	CAP.REPLACEMENT R.C.	488,847.00	0.00	0.00
07-426-3001	RELINING	260,000.00	0.00	0.00
07-429-1501	BARKWAY PUMP STATION CAPITAL	0.00	0.00	2,215.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	0.00	0.00	11,493.05
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	78,000.00	10,240.62	29,390.17
07-429-1504	HUNT CO PUMP STATION CAPITAL	0.00	0.00	1,870.00
07-429-1505	RCSTP CAPITAL	260,000.00	115,446.16	84,032.62
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	90,113.64	0.00
07-429-1520	RCSTP - CAUSTIC SODA	0.00	50,412.49	0.00
07-429-6100	WEST GOSHEN CAPITAL	187,206.00	182,262.24	0.00
07-492-0100	TRANSFER TO GENERAL FUND	0.00	0.00	212.99
	<b>Total Expenses</b>	<b>1,730,115.24</b>	<b>510,928.15</b>	<b>195,140.93</b>
	<b>Net Result From Operations</b>	<b>0.00</b>	<b>3,229.44</b>	<b>-6,028.80</b>

Municipal Authority  
YTD Revenues and Expenses thru 8/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/23	Revenue Journal	INTEREST EARNED JAN 2023	2.65
07-341-1000	INTEREST EARNINGS	02/28/23	Revenue Journal	INTEREST EARNED FEBRUARY 2023	6.32
07-341-1000	INTEREST EARNINGS	03/31/23	Revenue Journal	INTEREST EARNED MARCH 2023	23.37
07-341-1000	INTEREST EARNINGS	04/30/23	Revenue Journal	INTEREST EARNED APRIL 2023	12.47
07-341-1000	INTEREST EARNINGS	05/31/23	Revenue Journal	INTEREST EARNED MAY 2023	32.83
07-341-1000	INTEREST EARNINGS	06/30/23	Revenue Journal	INTEREST EARNED JUNE 2023	67.17
07-341-1000	INTEREST EARNINGS	07/31/23	Revenue Journal	INTEREST EARNED JULY 2023	10.61
07-341-1000	INTEREST EARNINGS	08/31/23	Revenue Journal	INTEREST EARNED AUGUST 2023	9.11
07-364-1110	R.C.TAPPING FEES	01/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	04/03/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	05/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	06/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	06/28/23	Revenue Journal	TAP IN FEE 1712 E BOOT RD	2,000.00
07-364-1110	R.C.TAPPING FEES	06/28/23	Revenue Journal	SEWER INSPECTION FEE 1712 E BOOT RD	500.00
07-364-1110	R.C.TAPPING FEES	07/03/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	08/01/23	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/27/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12838	281.88
07-364-1130	CONNECTION FEES - SEWER	03/23/23	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 12839	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/27/23	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-380-1000	MISCELLANEOUS REVENUE	03/23/23	Revenue Journal	PINE ROCK INTEREST PORTION - PAPPANO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/20/23	Revenue Journal	XFER TO 07 FROM 05 RE: MA EXPENSES	3,384.75
07-392-0500	TRANSFER FROM SEWER OPERATING	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 05-SEWER	14,572.43
07-392-0500	TRANSFER FROM SEWER OPERATING	01/31/23	Revenue Journal	XFER \$ FROM 05 TO 07 RE: MA EXPENSES	3,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/17/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	36,455.37
07-392-0500	TRANSFER FROM SEWER OPERATING	02/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	2,877.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/22/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	715.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/23/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	880.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/24/23	Revenue Journal	XFER TO 07 FROM 05 RE: EXPENSES	6,738.25
07-392-0500	TRANSFER FROM SEWER OPERATING	03/29/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/31/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	8,944.84
07-392-0500	TRANSFER FROM SEWER OPERATING	04/17/23	Revenue Journal	FROM 05 SEWER OP TO 07 MA	4,992.75
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	707.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/10/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,627.50
07-392-0500	TRANSFER FROM SEWER OPERATING	06/08/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,253.25
07-392-0500	TRANSFER FROM SEWER OPERATING	06/30/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	10,398.41
07-392-0500	TRANSFER FROM SEWER OPERATING	07/13/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	1,041.00
07-392-0500	TRANSFER FROM SEWER OPERATING	08/08/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	60.00
07-392-0500	TRANSFER FROM SEWER OPERATING	08/24/23	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,040.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/12/23	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER CAP.EXP.	41,381.95

Municipal Authority  
YTD Revenues and Expenses thru 8/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/20/23	Revenue Journal	XFER TO 07 FROM 09 RE: MA EXPENSES	11,730.76
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/30/23	Revenue Journal	XFER \$ TO MA07 FROM 09- SEWER CAP	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/10/23	Revenue Journal	FROM 09 SEWER CAP RESERVE TO 07 MA	115,362.26
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/23/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	8,690.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/01/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	20,201.84
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/09/23	Revenue Journal	XFER \$ TO 07 FROM 09	1,264.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/22/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,961.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/24/23	Revenue Journal	XFER TO 07 FROM 09 RE: EXPENSES	11,080.96
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/29/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,221.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/05/23	Revenue Journal	XFER FROM 09 SEWER OP TO 07 MA	1,041.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/21/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	977.06
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/25/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,801.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/26/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	252.28
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/28/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	688.81
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/04/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,069.52
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/10/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,953.58
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/19/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	66,899.98
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/08/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	56,078.05
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/13/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	450.18
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/20/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	888.22
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/03/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,746.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/11/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	209.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/13/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	824.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/08/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	22.12
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/24/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,626.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/31/23	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	18,930.40
	<b>Total Revenue</b>				<b>514,157.59</b>
07-424-1400	ADMINISTRATIVE WAGES	03/31/23	Pay Check: 3402	23-00878 QTR 1 2023 MA CHARGE BACK	8,944.84
07-424-1400	ADMINISTRATIVE WAGES	06/30/23	Pay Check: 3431	23-01745 QTR 2 2023 MA CHARGE BACK	10,398.41
07-424-3000	MISCELLANEOUS EXPENSE	03/22/23	Pay Check: 3395	23-00707 2023 ANNUAL DAILY DISCHARGE CA	715.00
07-424-3000	MISCELLANEOUS EXPENSE	03/23/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	880.25
07-424-3000	MISCELLANEOUS EXPENSE	08/08/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	60.00
07-424-3110	MUNIC.AUTH.-AUDITING	02/15/23	Pay Check: 3389	23-00406 PROGRESS BILLING EGT MUA123122	1,793.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/29/23	Pay Check: 3401	23-00870 PROGRESS BILLING AUD EGT MUA	8,000.00
07-424-3110	MUNIC.AUTH.-AUDITING	05/10/23	Pay Check: 3417	23-01270 PROGRESS BILLING AUDIT EGT MUA	707.00
07-424-3130	ENGINEERING SERVICES	01/20/23	Pay Check: 3379	23-00111 SERV.THRU 12/18/22 GEN.SERV.22	3,384.75
07-424-3130	ENGINEERING SERVICES	02/23/23	Pay Check: 3392	23-00443 SERV THRU 011523 GEN SERVICES	2,294.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00816 SERV THRU 021223 CHAPTER 94 RE	2,246.00
07-424-3130	ENGINEERING SERVICES	03/24/23	Pay Check: 3399	23-00815 SERV THRU 021223 GENERAL SERVI	3,482.75
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check: 3406	23-01018 SERV THRU 031923 GENERAL SERVI	2,614.75

Municipal Authority  
YTD Revenues and Expenses thru 8/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3130	ENGINEERING SERVICES	04/17/23	Pay Check:	23-01019 SERV THRU 031923 CHAPTER 94 RE	1,654.50
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check:	23-01302 SERV THRU 041623 2023 GEN SERV	3,663.25
07-424-3130	ENGINEERING SERVICES	05/10/23	Pay Check:	23-01303 SERV THRU 041623 2022 CHAPT 94	1,377.25
07-424-3130	ENGINEERING SERVICES	06/08/23	Pay Check:	23-01576 SERV THRU 051423 2023 GEN SERV	1,253.25
07-424-3130	ENGINEERING SERVICES	07/13/23	Pay Check:	23-01882 SERV THRU 061823 2023 GEN SERV	651.50
07-424-3130	ENGINEERING SERVICES	08/24/23	Pay Check:	23-02177 SERV THRU 071623 2023 GEN SERV	2,900.00
07-424-3140	LEGAL SERVICES	02/23/23	Pay Check:	23-00442 LEGAL SERV. JAN 2023 GEN AUTH	583.00
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check:	23-00812 LEGAL SERV FEB 2023 GEN AUTHOR	389.50
07-424-3140	LEGAL SERVICES	03/24/23	Pay Check:	23-00813 LEGAL SERV DEC 2022 GEN AUTHOR	620.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check:	23-01020 LEGAL SERV MARCH 2023 GEN AUTH	431.00
07-424-3140	LEGAL SERVICES	04/17/23	Pay Check:	23-01017 LEGAL SERV FEB 2023 GEN AUTH	292.50
07-424-3140	LEGAL SERVICES	05/10/23	Pay Check:	23-01304 LEGAL SERV APRIL 2023 GEN AUTH	587.00
07-424-3140	LEGAL SERVICES	07/13/23	Pay Check:	23-01883 LEGAL SERV MAY 2023 GEN AUTH	389.50
07-424-3140	LEGAL SERVICES	08/24/23	Pay Check:	23-02176 LEAL SERV JUNE 2023 GEN AUTH	348.50
07-424-3140	LEGAL SERVICES	08/24/23	Pay Check:	23-02175 LEGAL SERV JULY 2023 GEN AUTH	1,791.50
07-429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	01/20/23	Pay Check:	23-00110 SERV. THRU 12/18/22 HM EST SEWR	9,690.50
07-429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	02/06/23	Pay Check:	23-00331 STONE, AASHTO #57	550.12
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check:	23-00030 CONDUITS, STRAPS, LOCKNUTS +	1,161.95
07-429-1505	RCSTP CAPITAL	01/10/23	Pay Check:	23-00075 PULSAFEEDER - RCSPT CAUSTIC SO	40,220.00
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check:	23-00109 SERV. THRU 12/18/22 RCSTP SODA	861.51
07-429-1505	RCSTP CAPITAL	01/20/23	Pay Check:	23-00112 SERV. THRU 12/18/22 RCSTP UV	1,178.75
07-429-1505	RCSTP CAPITAL	01/27/23	Pay Check:	23-00151 HELIFLOW 408 PD BLOWER	5,221.00
07-429-1505	RCSTP CAPITAL	02/06/23	Pay Check:	23-00305 50HP 3540RPM BALDOR MOTOR	4,683.69
07-429-1505	RCSTP CAPITAL	03/24/23	Pay Check:	23-00817 SERV THRU 021223 RCSTP CAU SOD	4,144.21
07-429-1505	RCSTP CAPITAL	03/29/23	Pay Check:	23-00827 HELIFLOW 408 LHBD BLOWER	5,221.00
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check:	23-01548 UV DISINFECTION SYS PYMT- 30%	40,495.80
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check:	23-01575 SERV THRU 051423 RCSTP UV REPL	5,770.00
07-429-1505	RCSTP CAPITAL	06/08/23	Pay Check:	23-01573 SERV THRU 051423 RCSTP CAU SOD	37.25
07-429-1505	RCSTP CAPITAL	07/13/23	Pay Check:	23-01881 SERV THRU 061823 RCSTP CAU SOD	824.50
07-429-1505	RCSTP CAPITAL	08/24/23	Pay Check:	23-02178 SERV THRU 060823 RCSTP UV REPL	5,626.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00148	6,904.64
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00364	430.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00429	1,708.22
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00412	17,817.91
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00411	3,771.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00381	6,498.99
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00415	4,866.25
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00153	2,642.00
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/21/23	Expd	RECLASS HERSH.MILL EST. PURCH.23-00152	5,025.79
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/23/23	Pay Check:	23-00444 SERV THRU 011523 HM ESTATES SW	8,690.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check:	23-00536 STONE, AASHTO #57 329.79 TON	8,244.78

Municipal Authority

YTD Revenues and Expenses thru 8/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check:	23-00534 STONE, AASHTO #57 251.05 TON	6,276.27
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	02/28/23	Pay Check:	23-00535 STONE, AASHTO #57 227.23 TON	5,680.79
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check:	23-00582 SPLIT COUPLERS	305.40
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/09/23	Pay Check:	23-00581 SEWER HUB ADAPTERS, COUPLERS +	959.56
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check:	23-00723 36" MARMAC POLYSEAL COUPLER	803.20
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check:	23-00731 JOHN DEERE 550K RENTL 2/28-3/1	434.50
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/22/23	Pay Check:	23-00730 JOHNDEERE 550K RENTL 2/23-2/24	724.16
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	03/24/23	Pay Check:	23-00814 SERV THRU 021223 HM ESTATES SE	6,936.75
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	04/25/23	Pay Check:	23-01141 SINGLE SIDED STRAW MAT, PINS	1,407.00
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check:	23-01141 SINGLE SIDED STRAW MAT, PINS	-14.07
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check:	23-00889 VARIOUS PURCHASES- SEE NOTES	215.75
07-429-1520	RCSTP - CAUSTIC SODA	04/05/23	Pay Check:	23-00906 ROD 5/8 X 20 FT-CAUSTIC SODA	826.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check:	23-01081 3" TWISTER CORE BITS	441.00
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check:	23-01081 3" TWISTER CORE BITS	-4.41
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check:	23-01056 GALV CAP, GFCl RCPT, GREY COVR	168.21
07-429-1520	RCSTP - CAUSTIC SODA	04/21/23	Pay Check:	23-01057 GALV CAP, STEEL CLAMPBACK	372.26
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check:	23-01131 PVC CONDBY, DEV BOX, CTD CPLG	890.32
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check:	23-01112 (30) BUSS FUSES	2,160.00
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check:	23-01144 GALV BLCK CAP, COMPRESSION CPLG	286.08
07-429-1520	RCSTP - CAUSTIC SODA	04/25/23	Pay Check:	23-01128 IRON THRD T BODY, SHEET STEE	72.17
07-429-1520	RCSTP - CAUSTIC SODA	04/26/23	Pay Check:	23-01151 CAUSTIC SODA-(2) HVY DUTY TARP	252.28
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check:	23-01177 BLINE SS CHANNEL SLOTTED HOLES	374.17
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check:	23-01176 EMT HW STRAP, MACH SCREW ANCHOR	233.47
07-429-1520	RCSTP - CAUSTIC SODA	04/28/23	Pay Check:	23-01175 GALV RED CAP, COMM SWITCH,	81.17
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check:	23-01225 PVC BELL END PIPE, PVC COUPLNG	2,574.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check:	23-01227 10 YD CONCRETE 4500 PSI	1,930.00
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check:	23-01219 (30) BLINE EMT-HW STRAP	83.82
07-429-1520	RCSTP - CAUSTIC SODA	05/03/23	Pay Check:	23-01212 OUTLET BOX, SS SWITCH, HW STRAP	481.70
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check:	23-01276 SCH 40 2" PIPE, 2" COUPLNG	1,030.64
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check:	23-01275 CORP BALL STOP, SERVICE SADDLE	905.59
07-429-1520	RCSTP - CAUSTIC SODA	05/10/23	Pay Check:	23-01295 TAYMAC GRV METAL INUSE COVER	17.35
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check:	23-01553 RC WWTP CHEMICAL STORAGE TANK	6,415.00
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check:	23-01554 RIDLEY CREEK-RAN CONDUIT	2,008.00
07-429-1520	RCSTP - CAUSTIC SODA	06/08/23	Pay Check:	23-01555 RIDLEY CR-RAN CONDUIT FOR TANK	1,352.00
07-429-1520	RCSTP - CAUSTIC SODA	06/13/23	Pay Check:	23-01617 BALL CORP STOP, BRASS THRD NIPL	450.18
07-429-1520	RCSTP - CAUSTIC SODA	06/20/23	Pay Check:	23-01658 BRASS THREADED NIPPLE&COUPLNG	57.22
07-429-1520	RCSTP - CAUSTIC SODA	06/20/23	Pay Check:	23-01654 PULSAFEEDER TUBING & KOPKIT	831.00
07-429-1520	RCSTP - CAUSTIC SODA	07/03/23	Pay Check:	23-01739 RC WWTP CHEMICAL STORAGE TANK	6,746.00
07-429-1520	RCSTP - CAUSTIC SODA	07/11/23	Pay Check:	23-01860 GATE & POST- BLAST PRIMER	209.00
07-429-1520	RCSTP - CAUSTIC SODA	08/08/23	Expd	REIMBURSE 01 FOR 07 CC EXPENSE	22.12
07-429-1520	RCSTP - CAUSTIC SODA	08/31/23	Pay Check:	23-02291 RC PIPING FOR CAUSTICSODA TANK	18,930.40



Municipal Authority  
YTD Revenues and Expenses thru 8/31/2023

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-6100	WEST GOSHEN CAPITAL	02/06/23	Pay Check: 3383	23-00366 WWPS PYMT LAST INSTALLMENT	115,362.26
07-429-6100	WEST GOSHEN CAPITAL	06/12/23	Pay Check: 3426	23-01363 2022 WG SEWER AUTH BOND FUND E	19,143.34
07-429-6100	WEST GOSHEN CAPITAL	06/12/23	Pay Check: 3427	23-01364 2022 WG SEWER AUTH TAPPING FEE	47,756.64
				<b>Total Expense</b>	<b>510,928.15</b>
				<b>Net Operating</b>	<b>3,229.44</b>



Christiana Executive Campus  
121 Continental Drive, Suite 207  
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www.pennoni.com

September 8, 2023

EGMAU23001

Mark Miller  
Director of Public Works  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**Re: Award Recommendation  
Chester Creek Interceptor Inspection and Repair, Contract No. CCSS-2023**

Dear Mr. Miller:

We have tabulated the bids received through PennBid on September 7, 2023 for the referenced contract. The bid tabulation is attached.

As reflected in the bid tabulation, the low bidder for the Base Bid is Insituform Technologies, LLC, who submitted a Total Base Bid of \$214,850.00. The low bidder for the Total Base Bid AND all Add Items is Vortex Services, LLC, who submitted a Total Bid of \$455,112.00.

We understand the available budget for this project is \$260,000.00. Therefore, we recommend that only the Base Bid be awarded.

We found Insituform Technologies' submitted proposal to be complete and accurate, and we are familiar with their experience on similar projects. Therefore, as the responsive low bidder, we recommend Insituform Technologies be awarded the contract only for the Base Bid in the amount of \$214,850.00.

Attached is the Official Bid Tabulation and Insituform's bid package documents.

Sincerely,

**PENNONI ASSOCIATES INC.**

Michael J. Ellis, PE  
Associate Vice President

Enclosures: As noted

/ela

cc: East Goshen Municipal Authority  
Derek Davis, Township Manager  
Dave Ware, Finance Director  
Patrick McKenna, Esq.

**East Goshen Municipal Authority**  
**Tabulation of Bids Received by 10:00 AM Eastern on September 7, 2023**  
**Contract No. CCSS-2023: Chester Creek Interceptor Inspection and Repair**

ITEM NUMBER	DESCRIPTION	ESTIMATED QUANTITY/UNIT	Insituform Technologies, LLC		Vortex Services, LLC		Mobile Dredging & Video Pipe, Inc.	
			UNIT COST	AMOUNT	UNIT COST	AMOUNT	UNIT COST	AMOUNT
<b>BASE BID</b>								
1	Clean and Televis 24" Sanitary Sewer	4,900 L.F.	\$15.00	\$73,500.00	\$19.78	\$96,922.00	\$40.00	\$196,000.00
2	Televis 4" and 6" Sanitary Sewer Lateral	40 L.F.	\$50.00	\$2,000.00	\$160.00	\$6,400.00	\$120.00	\$4,800.00
3	Cured-In-Place Pipe Lining of 24" Pipe within Township Roads	360 L.F.	\$300.00	\$108,000.00	\$211.00	\$75,960.00	\$180.00	\$64,800.00
4	Cured-In-Place Pipe Lining of 4" or 6" Lateral	30 L.F.	\$400.00	\$12,000.00	\$516.00	\$15,480.00	\$540.00	\$16,200.00
5	Lateral T-Connection and Excavated Transition	1 EA.	\$4,000.00	\$4,000.00	\$21,280.00	\$21,280.00	\$60,000.00	\$60,000.00
6	Lateral Reinstatements	3 EA.	\$200.00	\$600.00	\$556.00	\$1,668.00	\$1,000.00	\$3,000.00
7	Pipe Grouting	2 EA.	\$2,500.00	\$5,000.00	\$1,482.00	\$2,964.00	\$7,148.57	\$14,297.14
8	Manhole Pressure Grouting	4 EA.	\$1,500.00	\$6,000.00	\$4,510.00	\$18,040.00	\$3,600.00	\$14,400.00
9	Grout	75 GAL.	\$50.00	\$3,750.00	\$16.00	\$1,200.00	\$20.00	\$1,500.00
10	Remove Asphalt/Debris from Pipe	1 L.S.	\$0.00	\$0.00	\$9,215.00	\$9,215.00	\$10,000.00	\$10,000.00
11	Cut Lateral and Install T-Connection	1 L.S.	\$0.00	\$0.00	\$16,674.00	\$16,674.00	\$9,000.00	\$9,000.00
<b>TOTAL BASE BID (BASED ON ESTIMATED QUANTITIES)</b>				<b>\$214,850.00</b>		<b>\$265,803.00</b>		<b>\$393,997.14</b>
<b>ADD ITEMS</b>								
12	Cured-In-Place Pipe Lining of 24" Pipe within Township Roads	175 L.F.	\$340.00	\$59,500.00	\$295.00	\$51,625.00	\$200.00	\$35,000.00
13	Cured-In-Place Pipe Lining of 24" Pipe within Easements	560 L.F.	\$280.00	\$156,800.00	\$199.00	\$111,440.00	\$300.00	\$168,000.00
14	Lateral Reinstatements	5 EA.	\$200.00	\$1,000.00	\$556.00	\$2,780.00	\$1,000.00	\$5,000.00
15	Pipe Grouting	4 EA.	\$2,500.00	\$10,000.00	\$1,482.00	\$5,928.00	\$7,200.00	\$28,800.00
16	Manhole Pressure Grouting	7 EA.	\$1,500.00	\$10,500.00	\$2,128.00	\$14,896.00	\$3,600.00	\$25,200.00
17	Grout	165 GAL.	\$50.00	\$8,250.00	\$16.00	\$2,640.00	\$20.00	\$3,300.00
<b>TOTAL ADD ITEMS (BASED ON ESTIMATED QUANTITIES)</b>				<b>\$246,050.00</b>		<b>\$189,309.00</b>		<b>\$265,300.00</b>
<b>TOTAL BASE BID AND ADD ITEMS (BASED ON ESTIMATED QUANTITIES)</b>				<b>\$460,900.00</b>		<b>\$455,112.00</b>		<b>\$659,297.14</b>
<b>BID SECURITY REVIEW</b>			10% of Bid			10% of Bid		

We Declare this to be a true Tabulation of Bids Received on September 7, 2023 by East Goshen Municipal Authority for Contract No. CCSS-2023.

**PENNONI ASSOCIATES INC.**  
  
 Michael J. Ellis, PE, PA Reg. No. PE075139  
 FOR: PENNONI ASSOCIATES INC.