

EAST GOSHEN MUNICIPAL AUTHORITY

August 12, 2024

7:00

- **CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**
 1. Ask if anyone will be taping the meeting

- **CHAIRMAN’S REPORT/OTHER MEMBERS’ REPORTS**

- **APPOINTMENT OF OFFICERS**

- **SEWER REPORTS**
 1. Director of Public Work’s Report
 2. Pennoni Engineer’s Report
 3. Big Fish Environmental Report

- **APPROVAL OF MINUTES**
 1. July 15, 2024

- **APPROVAL OF INVOICES**

Company	Invoice #	Amount	Paid?
Pennoni	1233192	\$113.00	
Pennoni	1233193	\$339.00	
Pennoni	1233194	\$5,142.50	
Pennoni for Insituform Technologies - Chester Creek Interceptor Inspection & Repair	Payment Application #5	\$11,348.00	
JWC Environmental	119462	\$27,691.19	paid
West Goshen Sewer Authority	EG23-B	\$95.64	paid
West Goshen Sewer Authority	EG23-T	\$31,392.87	paid
Gawthrop Greenwood	293953	\$315.00	

- **LIAISON REPORTS**

- **FINANCIAL REPORTS**
 - July 2024

- **OLD BUSINESS**

- **2024 Goals:**

Goal	Status
Ridley Creek plant compliance	January through July were in compliance with PADEP permit requirements.
Continue to implement infiltration and inflow for the sewer system	Ongoing.
RCSTP UV Disinfection System Construction Completion	The UV replacement is 99% complete.
Municipal Authority representative to attend West Goshen MA meetings. West Goshen MA meets 1 st Wed of each month at 6pm at the West Goshen Township Building.	Attend meetings on quarterly basis.
Long-term sustainability	Continue development of 10-year sustainability plan and study sewer rates annually. Currently under development with completion by May.

- **NEW BUSINESS**

- Discuss EnerG Test quote for \$9,144 (Mike Ellis)
- Approval to advertise for Supplee Valley pipe lining (Mike Ellis)

- **CAPACITY REQUESTS**

- **ANY OTHER MATTER**

- **CORRESPONDENCE AND REPORTS OF INTEREST**

- **PUBLIC COMMENT**

- **ADJOURNMENT**

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199
610-692-7171

Date: August 12, 2024
To: Municipal Authority
From: Kevin Miller
Re: Monthly Report

Monthly Flows: The average daily flow to West Goshen was 795,367 per day.

Meters:

- Were read on a daily basis
- No issues found with operating meters

C.C. Collection:

- All pump stations were visited on a daily basis.

C.C. Interceptor:

- Mowed & maintained

R.C. Collection:

- Routine maintenance was performed on a daily basis.
- Public Works crew pulled all manholes and inspected and marked out sewer lines in the Clocktower development in preparation for upcoming Riggs/Distler utility work.

Ridley Creek Plant:

- Cleaned grit chamber
- Jetted and flushed inflow pipe to the plant

Applebrook Golf Course:

- PW crew replaced the Applebrook pump and it is now pumping 36,500 gallons per day.

Alarms: 6

PA One Calls: 73

Monthly Rainfall: 2.80"

Lateral Repairs or Caps: 4: 1 – Wentworth, 1 – Reservoir Rd, 1 – Baldwin Dr, & 1 – Katherine Ln



EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

August 9, 2024

Ridley Creek Sewage Treatment Plant (RCSTP)

- **Caustic Soda Conversion** – Matt Mullin provided as-built photos of the caustic soda plumbing. We updated the as-built plans accordingly with the provided plumbing information and submitted the revised as-built plans to PADEP on July 23.

We previously prepared a draft O&M Manual for the system that was submitted to the Township and operator for review. We will set up a meeting to review now that the system is up and running so that the Manual can be finalized.

- **UV Disinfection System** – On June 20, Lenni installed power to the jib crane and relocated the control panel to its permanent location, but it was discovered that the cords to connect the second UV module to the control panel are too short. Pennoni has since been coordinating with Glasco to obtain a new, longer cord for the module. Glasco picked up the temporary UV module cords to modify them to the correct length on July 25. Glasco will modify the temporary cords and return them in early August. After the new cords are installed, the two-week trial of the second UV module will begin. Glasco will also be scheduled to perform a post-startup inspection of the permanent UV installation.

The temporary system has been fully disassembled. Pennoni informed Glasco on June 25 that the temporary channel is ready for pickup and for them to coordinate with Mark Miller on the specific day and time of the pickup.

An updated tentative construction schedule follows with completed work in italics:

- *Delivery of Permanent UV Equipment – October 30, 2023*
 - *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
 - *Initiate Temporary Bypass Work – Mid-November 2023*
 - *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
 - *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
 - *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial curing)*
 - *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
 - *Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 24, 2024*
 - *Two Week Trial of New UV System in Permanent Channel – April 24 – May 8, 2024*
 - *Install Second UV Module into Permanent Channel -- June 11, 2024*
 - *Two Week Trial of Second New UV System in Permanent Channel – August 13 – 27, 2024*
 - *Construction Completed –Late August 2024*
- **Generator #2 Replacement** – No activity by Pennoni since the last report.
 - **Electrical Supply Evaluation** – We received a quote from EnerG Test for the installation of a power meter on the incoming electric supply line for \$9,144.00. The testing would be performed for 25 days and will monitor and log power usage, voltage, phase, and other components of the electric supply. EnerG Test's engineers will analyze the results and provide a report within 30 days of completion of the monitoring. The report will address if there are unusual power/voltage spikes or drops and other anomalies. We recommend that their scope also include recommendations in their report to address any observed deficient conditions. For example, if the voltage is extremely inconsistent, a line conditioner (which acts as an electric filter) may be recommended on the main supply line. If problems are identified on the main feed, their report and recommendations can be provided to PECO to substantiate the problem with a request for PECO to implement the recommendations.

Their proposal requires that arc flash labeling be on any electric equipment that they will be in contact with. Labeling is not on the Main Distribution Panel (MDP), so it will need to be installed before they install the power meter. A short circuit and arc flash analysis was performed as part of the RCSTP expansion in 2011. Labels were provided at that time, but there is not a label currently on the MDP. The Township will need to have the labels printed and attached to the MDP, and they should be attached to other applicable equipment while at it

if other equipment is not currently labeled either. We can forward an electronic copy of the report that includes the labels from 2011.

Separate of the power monitoring – An updated arc flash study should be performed in the near future since it has been over five years since the last study and there have been electrical equipment changes, most notably the replacement of both generators. We could obtain a quote, and this be considered in 2025 budgeting. We anticipate it can occur separate of and after the power monitoring.

Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work. We processed the fifth and final payment application and provided a payment recommendation letter. We also reviewed the Contractor's Maintenance Bond, Statement of Surety, and Contractor's Release and found all documents satisfactory. After approval of the final payment application, this project will be fully complete.
- **Supplee Valley Pipe Lining** – The next sewer rehabilitation project is planned to be installation of cured-in-place pipe liners in the remaining un-lined sewers in Supplee Valley as well as some manhole lining. We are finalizing the bid document and have updated the construction cost estimate. We anticipate the cost will be approximately \$400,000, and we are coordinating with Dave Ware and Mark Miller on the available budget to establish Base Bid vs. Add Items. Funding from the planned 2025 Pipe Lining budget item is expected to be needed in conjunction with 2024 budget to cover the full cost of this work in one construction contract. The project is therefore proposed to be advertised in late August, bids due in late September, award consideration by the MA in October, and construction to occur in late 2024-early 2025 with all invoicing and payments to occur in 2025.

New Connections

- Millstone Meadows (1010 Hershey Mill Road) – We reviewed a revised Land Development Plan submission and issued a comment letter on July 25. In addition to other Land Development comments, a few minor sanitary sewer design comments remain outstanding.
- 301 Reservoir Road (5-Lot Residential Subdivision) – We assisted the Design Engineer with response to PADEP's comments on the Sewage Facilities Planning mailer. Responses were provided to PADEP, and PADEP issued a Planning exemption letter on August 6.
- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware if the grinder pump has been installed.
- 14 Reservoir Road – PADEP approved the Sewage Facilities Planning Mailer exemption on June 5. We received a new plan submission and provided a comment letter on July 12. Amongst other things, two sanitary sewer design comments remain outstanding.

Capital Improvement Plan

- We prepared a 1st draft of a 20+ year capital improvement plan that includes pipe lining, manhole lining, pump station upgrades, metering, wastewater treatment plant upgrades and equipment replacement, and other improvements. The plan is currently under review with Finance and Public Works. We anticipate the plan will be iteratively edited over the next few weeks, and an updated draft will be presented to the MA in September.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water quality for June 2024. All supplemental reports were submitted for July 2024. Caustic usage increased to 54 gallons from 51 per day last month. Aluminum sulfate solution volumes decreased to 68.8 gallons per day from the previous standard of 70.5 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

July 2024- Final Effluent - Outfall 001																
NPDES Permit Discharge Limitations	Flow	CBOD5		Total Nitrogen		TSS		NH4-N		Total Phosphorus		Fecal Coliform		Ultraviolet light intensity	Copper, Total	Zinc, Total
	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			
	0.75	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																
July 2, 2024	0.240	2.0	4.0	9.16	18.3	4.0	8.0	0.10	0.20	0.12	0.24	1	0.0000	NS	0.002	0.033
July 9, 2024	0.217	2.0	3.6	7.42	13.4	4.0	7.2	0.10	0.18	0.30	0.54	1	0.0000	NS	NS	NS
July 16, 2024	0.289	2.0	4.8	10.10	24.3	4.0	9.6	0.10	0.24	0.14	0.34	1	0.0000	NS	NS	NS
July 23, 2024	0.250	2.0	4.2	7.36	15.3	4.8	10.0	0.10	0.21	0.14	0.29	1	0.0000	NS	NS	NS
July 30, 2024																
Average	0.249	2.0	4.2	8.51	17.9	4.2	8.7	0.10	0.21	0.18	0.35	1	0.0000	NA	NA	NA
Minimum	0.217	2.0	3.6	7.36	13.4	4.0	7.2	0.10	0.18	0.12	0.24	1	0.0000	NA	NA	NA
Maximum	0.289	2.0	4.8	10.10	24.3	4.8	10.0	0.10	0.24	0.30	0.54	1	0.0000	NA	NA	NA

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for July 2024. The monthly average total phosphorus was reported as 0.18 mg/L compared to the permit limitation of 0.50 mg/L. The TSS samples consistently showed single digits. The results remain below the weekly maximum of 15 mg/L. The monthly average TSS is reported as 4.2 mg/L compared to the discharge limitation of 10 mg/L.

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

Table 2 represents the influent wastewater data entering the wastewater treatment facility collected at the doghouse manhole adjacent to the influent pump station in July, 2024

Table 2

July 2024 - Influent Wastewater

Design Basis	Flow	BOD5		CBOD5		TSS		NH4-N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
July 2, 2024	0.298	483	1,200	379	942	580	1,441	32.4	81	94.6	235	12.9	32.1
July 9, 2024	0.383	615	1,964	485	1,549	880	2,811	36.6	117	92.5	295	11.80	37.7
July 16, 2024	0.383	1,180	3,769	689	2,201	900	2,875	39.5	126	135.0	431.2	16.90	54.0
July 23, 2024	0.372	625	1,939	496	1,539	690	2,141	39.5	123	66.8	207.2	12.40	38.5
July 30, 2024													
Average	0.359	726	2,218	512	1,558	763	2,317	37	112	97.2	292	13.50	40.6
Minimum	0.298	483	1,200	379.0	942	580	1,441	32	81	66.8	207	11.80	32.1
Maximum	0.383	1,180	3,769	689	2,201	900	2,875	40	126	135.0	431	16.90	54.0

Table 3 represents the water quality data of the flow pumped to Applebrook Golf Course in July 2024

Table 3

July 2024 - Applebrook - Out Fall 002

NPDES Permit Discharge Limitations	Flow	CBOD5		Total Nitrogen		TSS		NH4-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							
July 2, 2024	0.0220	2.0	0.37	9.16	18.33	4.0	0.73	0.10	0.02	0.12	0.02	1	0.0000
July 9, 2024	0.0290	2.0	0.48	7.42	1.79	4.0	0.97	0.10	0.02	0.30	0.07	1	0.0000
July 16, 2024	0.0270	2.0	0.45	10.10	2.27	4.0	0.90	0.10	0.02	0.14	0.03	1	0.0000
July 23, 2024	0.0280	2.0	0.47	7.36	1.72	4.8	1.12	0.10	0.02	0.14	0.03	1	0.0000
July 30, 2024													
Average	0.0265	2.0	0.44	8.51	6.03	4.2	0.9	0.10	0.02	0.18	0.04	1	0.0000
Minimum	0.0220	2.0	0.37	7.36	1.72	4.0	0.7	0.10	0.02	0.12	0.02	1	0.0000
Maximum	0.0290	2.0	0.48	10.10	18.33	4.8	1.1	0.10	0.02	0.30	0.07	1	0.0000

PA DEP

No activity

Pennoni Associates

No activity

Significant Rainfall

During July, there were nine (9) days when rainfall occurred.

One (1) event exceeded 0.50 inches of rain in a 24-hour period:

7/22/24: 0.57"

Total Rainfall for July was 3.02 inches

Chemical Data

July 2024		
Chemical	Daily Average	Total Monthly
Caustic Soda, gal	53.68	1,664
Aluminum Sulfate solution, gal	68.8	2,133
Sludge Dewatering, gal*	21,570	539,257

**25 days of sludge dewatering*

There was an increase of 102,991 gallons of sludge dewatering during July compared to June.

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.

Major Repairs or Upgrades

-Applebrook pump replaced

-SBR 1 blower installed

Upcoming Repairs or Upgrades

- Influent channel Muffin Monster to be replaced
- Disk filter pump to be rebuilt

Flow Data

July 2024			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building	10.729	346,105	420,110
Influent Wastewater to SBRs	11.178	360,591	412,688
Internal Recycle	0.544	17,533	49,078
Treated Effluent to Disc Filters	10.792	348,149	404,672
Final Effluent Discharge	7.445	240,000	297,000
Applebrook Golf Course	0.830	26,789	33,232

The plant hydraulic design loading is 745,000 gpd.

There were no high-flow events during July

1 DRAFT
2 EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
3 MEETING MINUTES
4 July 15, 2024
5

6 The East Goshen Township Municipal Authority held their regular meeting on Monday,
7 July 15, 2024 at 7:00 pm. at the Township Building.

8 Members in attendance are indicated in **BOLD**:

9 **Dana Pizarro, Chairman**
10 **Walter Wujcik, Vice Chairman**
11 **Jack Yahraes**
12 Carmen Battavio
13 **Kevin Cummings**
14

15 Also in attendance were: Mark Miller (Director of Public Works), Michele Truitt (Supervisor)
16 Dave Ware (Finance Director), Robert Jefferson (Attorney) and Erika Addison (Pennoni).
17
18

19 **COMMON ACRONYMS:**

20 <i>ATS – Automatic Transfer Switch</i>	<i>MA- Municipal Authority</i>
21 <i>BFES – Big Fish Environmental Services</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
22 <i>BOS – Board of Supervisors</i>	<i>PC – Planning Commission</i>
23 <i>CB – Conservancy Board</i>	<i>PM – Prevention Maintenance</i>
24 <i>DEP – Department of Environmental Protection</i>	<i>PR – Park & Recreation Board</i>
25 <i>EPA – Environmental protection Agency</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
26 <i>HC – Historical Commission</i>	<i>SBR – Sequencing Batch Reactor</i>
27 <i>I&I – Inflow & Infiltration</i>	<i>SSO – Sanitary System Overflow</i>
28 <i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>WAS – Waste Activated Sludge</i>
29 <i>PWD – Public Works Department</i>	

30

31 **Call to Order & Pledge of Allegiance**

32 Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance.

33 Dana asked for a moment of silence for our troops, police, EMTs and first responders.

34 Dana asked if anyone would be recording the meeting. There was no response.
35

36 **Chairman’s Report/Other Members Report**

37 None
38

39 **SEWER REPORTS**

40
41 **1. Director of Public Works, Mark Miller’s report for July 15, 2024.**

42
43
44 **Monthly Flows** – The average daily flow to West Goshen was 833,288 gallons per day.
45

46 **Meters:** The meters were read on a daily basis.

- 47 • Flows are down mainly because of the lack of rain and our infiltration repairs.
- 48
49

1 **C.C. Collection:**

- 2 • All pump stations were visited on a daily basis.
- 3 • As you may know, we pull pumps on a six-month rotation. In January we pull the number
- 4 2 pumps, and in July we pull number 1 pumps.
- 5 • This month we started at the Barkway Pump Station and when we pulled the number 2
- 6 pump, the rail system collapsed.
- 7 • This is being treated as an emergency as we currently have the station held together with
- 8 rubber bands and bailing twine. Kevin and I met with John Roddy from MGK on July 8th to
- 9 come up with a permanent repair.
- 10 • Once we got Barkway situated, the crew moved on to the other stations, pulling and
- 11 installing the pumps. Since moving on from Deckman, we are trying another pump servicing
- 12 vendor as we were not happy with the last one we used. I reached out to Phoenixville Sewer
- 13 to see what they were using since the moved on from Deckman and they are using BDS
- 14 Electric
- 15 • We reached out to BDS Electric who has several locations, and they are very interested in
- 16 doing the work. We dropped off six pumps to BDS to get a repair estimate.
- 17

18 **C.C. Interceptor:**

- 19 • Nothing to report.
- 20

21 **R.C. Collection:**

- 22 • Routine maintenance was performed on a daily basis.
- 23 • We pulled the pumps at Hershey Mill and Hunt Country.
- 24 • On Sunday, 7/7/24, we received a seal failure at the Hershey Mill Station. Kevin checked
- 25 the wires, and the ohm reading indicated a seal failure. The pump was pulled and washed down.
- 26 • We drained the oil from the pump and found water in the oil sample. The pump was
- 27 shipped off to BDS Electric.
- 28

29 **Ridley Creek Plant**

30 **UV System**

- 31 • The Public Works Department assisted the plant operator with much-needed cleanup after
- 32 the UV installation.
- 33 • The new UV is fully operational.
- 34 • We are awaiting a startup date from Glasco to go over the unit.
- 35 • We have an issue with the length of one of the cords. Mike Ellis reached out to Glasco for
- 36 a replacement.
- 37

38 **Applebrook Golf Course**

- 39 • Jared from Applebrook Golf Course asked if we could send them more water.
- 40 • We are currently pumping 32,000 gallons a day.
- 41 • The present pump is the original pump.
- 42 • The 2nd pump burnt up and a replacement will cost \$7,000.00. Jared approved the
- 43 purchase, so I placed the order with BDS Electric.
- 44 • The new pump will triple the flow to Applebrook, and should be here by the end of the
- 45 week of July 15th.
- 46

1
2 **Alarms:** 8

3
4 **PA 1 Calls:** 60

5
6 **Monthly Rainfall:** 2.55”

7
8 **Lateral Repairs or Caps:** 2 (in Bow Tree)

9
10
11
12 **2. Pennoni Engineer’s Report dated July 15, 2024**

13
14 ***Ridley Creek Sewage Treatment Plant (RCSTP)***

- 15 • **Caustic Soda Conversion** – Pyrz performed the tank repairs to the tank’s outside insulation.

16 Matt Mullin provided as-built photos of the caustic soda plumbing on July 10. We are
17 currently updating the as-built plans accordingly with the provided plumbing information.
18 We previously prepared a draft O&M Manual for the system that was submitted to the
19 Township and operator for review. We will set up a meeting to review now that the system is
20 up and running so that the Manual can be finalized.

21 **UV Disinfection System** – Zimmerman installed the jib crane and the second UV module,
22 shrouds, and guides on June 11. On June 20, Lenni installed power to the jib crane and
23 relocated the control panel to its permanent location, but it was discovered that the cords to
24 connect the second UV module to the control panel are too short. Pennoni contacted Glasco
25 on June 25 in regard to obtaining a new, longer cord for the module. Glasco responded on
26 July 2 stating that they would review and provide a response accordingly. We contacted
27 Glasco on July 10 for an update on the cords and are waiting for a response. After this issue is
28 resolved, the two week trial of the second UV module will begin. Glasco will also be
29 scheduled to perform a post-startup inspection of the permanent UV installation.

30 The temporary system has been fully disassembled. Pennoni informed Glasco on June 25 that
31 the temporary channel is ready for pickup and for them to coordinate with Mark Miller on the
32 specific day and time of the pickup.

33 An updated tentative construction schedule follows with completed work in italics:

- 34 ○ *Delivery of Permanent UV Equipment – October 30, 2023*
35 ○ *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*
36 ○ *Initiate Temporary Bypass Work – Mid-November 2023*
37 ○ *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
38 ○ *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
39 ○ *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial*
40 *curing)*
41 ○ *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
42 ○ *Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 24, 2024*
43 ○ *Two Week Trial of New UV System in Permanent Channel – April 24 – May 8, 2024*
44 ○ *Install Second UV Module into Permanent Channel -- June 11, 2024*

- 1 ○ Two Week Trial of Second New UV System in Permanent Channel – July 17 – 31, 2024
- 2 ○ Construction Completed –Early-Mid August 2024

3 We processed Lenni’s third payment application and certified payrolls for weeks 1 through 30
4 for the temporary and permanent electrical work completed and provided a payment
5 recommendation letter on July 10.

6 We processed Zimmerman’s second payment application and certified payrolls for weeks 1
7 through 3 for the temporary and permanent general contract work and provided a payment
8 recommendation letter on July 10.

- 9 • **Generator #2 Replacement** – No activity by Pennoni since the last report.
- 10 • **Electrical Surge Evaluation** – The Municipal Authority has requested that the electric
11 supply into the plant be evaluated. We recommend that a data logger be installed on the
12 PECO main supply line into the plant. The preferred location to do the testing would be at the
13 Main Distribution Panel (MDP) which is outside near the PECO Transformer. We spoke with
14 Lenni Electric, who concurs with this recommendation, but has not previously installed data
15 loggers before. We are currently reaching out to other parties to install a data logger and to
16 obtain quotes. After which, we can evaluate the type(s) of equipment needed to mitigate any
17 adverse power conditions.

18 ***Sanitary Sewer Pipe Rehab***

- 19 • **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work. The
20 Contractor still needs to provide the final payment application, closeout documents, and
21 remaining prevailing wage certifications in order to mark the project as completed.
- 22 • **Supplee Valley Pipe Lining** – The next sewer rehabilitation project is planned to be
23 installation of cured-in-place pipe liners in the remaining un-lined sewers in Supplee Valley.
24 The sewers have been televised. Public Works will provide the videos to Pennoni for review,
25 and we will then prepare a bid document. The goal is to construct this work by the end of
26 2024.

27 ***New Connections***

- 28 • Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since the last report.
- 29 • 301 Reservoir Road (5-Lot Residential Subdivision) – The Applicant submitted the Sewage
30 Facilities Planning Mailer to PADEP on July 11.
- 31 • 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was
32 previously installed, but we are not aware that the grinder pump has been installed.
- 33 • 14 Reservoir Road – PADEP approved the Sewage Facilities Planning Mailer exemption on
34 June 5. We received a new plan submission that is currently under review.

1 **Capital Improvement Plan**

- 2 • We met with Mark Miller and Dave Ware to discuss long term capital improvement planning.
- 3 Cost estimates were prepared for pipe lining neighborhoods with asbestos cement pipe. Pipe
- 4 lining has been prioritized by neighborhood. We are creating a 20+ year capital improvement
- 5 plan to include pipe lining, manhole lining, pump station upgrades, and wastewater treatment
- 6 plant upgrades. A draft will be submitted before the August MA meeting for discussion.

7 **Barkway Pump Station**

- 8 • We are evaluating pump sizing for a diesel bypass pump. We are also contacting vendors for
- 9 quotes for the bypass pump and for replacement of the submersible pumps.

10
11

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

13 The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water
 14 quality for June 2024. All supplemental reports were submitted for June 2024. Caustic usage
 15 increased to 51 gallons per day from 40 gallons per day last month. Aluminum sulfate solution
 16 volumes decreased to a daily average of 70.5 gpd from the previous standard of 74.8 gallons per day.
 17 No significant mechanical or operational issues were observed during the sludge dewatering
 18 equipment or SBR treatment process. Sludge dewatering experienced no mechanical issues
 19 impacting production. There were no odor complaints during the month.

20
21

22 **Approval of Minutes**

23 The minutes of the June 10, 2024 meeting were approved.

24
25

26 **Approval of Invoices**

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

- 28 • Invoice # 1229134 \$ 595.00
- 29 • Invoice # 1229135 \$ 463.75
- 30 • Credit for Invoice #1221070 & applied to #1229135 -\$226.00
- 31 • Invoice #1229136 \$1,412.50
- 32 • Invoice #1229137 \$5,109.75

33 Walter seconded the motion. The motion passed unanimously.

34
35

36 2. Kevin moved to approve Payment Application #2 for Zimmerman Environmental RCSTP UV
 37 Disinfection System Replacement in the amount of \$52,769.70. Waler seconded the motion. The
 38 motion passed unanimously.

39 3. Kevin moved to approve Payment Application #3 for Lenni Electric RCSTP UV Disinfection
 40 System Replacement in the amount of \$10,110.42. Jack seconded the motion. The motion passed
 41 unanimously.

42

1 4. Walter moved to approve payment of Change Order #2 for Chester Creek Interceptor Inspection &
2 Repair in the amount of \$4,360.00. Jack seconded the motion. The motion passed unanimously.

3
4 5. Jack moved to approve payment of the following Gawthrop Greenwood invoices:

- 5 • Invoice #291598 in the amount of \$492.00
- 6 • Invoice #293276 in the amount of \$1,048.00

7 Walter seconded the motion. The motion passed unanimously.

8
9 6. Kevin moved to approve payment of the Lenni Electric invoice #240631 in the amount of
10 \$267.50. Walter seconded the motion. The motion passed unanimously.

11
12 **Liaison Reports**

13 1. Board of Supervisors - Michele reported that we had a very successful Community Day. She
14 thanked the sponsors and Jason Lang, Director of Parks & Recreation. The BOS will only meet once
15 in July and August. They approved an increase in sewer rates. They will meet every Tuesday in
16 September to work on the budget.

17
18 **Financial Reports**

19 Dave Ware provided the following report:

20 Year to date June 2024, the Municipal Authority recorded \$402,803.49 in revenues (primarily from
21 Sewer Capital Reserve and Sewer Operating transfers) and \$397,824.84 in expenses (RCSTP UV
22 replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies,
23 engineering and audit expenses). The net result of operations is \$4,978.65. As of June 30, 2024, the
24 fund balance was \$12,540.81.

25
26
27 **Old Business**

28 None

29
30 **Goals** – The goals were reviewed.

31
32 **New Business**

33 1. Memo from Kevin Miller regarding the Barkway Pump Station. They were doing regular
34 maintenance on Pump #1 when the guide rails and flange collapsed. The issue was temporarily
35 resolved but his recommendation is to overhaul the interior of the wet well to meet updated needs.
36 Mark reported that they spoke with MGK Industries Inc., and it will cost \$54,560.00 for 3 pumps (1
37 will be a spare) and about 6 weeks to get everything. Jack moved to approve the purchase of 3
38 pumps not to exceed \$60,000.00. Walter seconded the motion. The motion passed unanimously.

39
40 **Any Other Matter -**

41 1. Maillie Audit Review Letter – Dale Umbenhauer represented Maillie. Kevin pointed out his
42 concern about wording in the letter regarding risks. Dale explained the new standards they are
43 required to use now. If there were any risks due to fraud, etc., it would require a separate letter. He
44 assured the MA members that there are no problems.

1 2. Greenhill Sewer Authority – Erika needs to determine the cost of this proposed project. DEP
2 notification was discussed.

3
4 Correspondence- None

5
6
7 Public Comment - None

8
9
10 Adjournment

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

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

13 The next regular meeting will be held on Monday, August 12, 2024 at 7:00 p.m.

14
15 Respectfully submitted,

16
17
18 Ruth Kiefer, Recording Secretary



INVOICE

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

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

Invoice No : 1233192
Invoice Date : 07/25/2024
Project : EGMAU20004
Project Name : RCSTP Caustic Soda
Conversion

For Services Rendered Through 07/14/2024

Updated as-built drawings based on updated plumbing information from RCSTP operator.

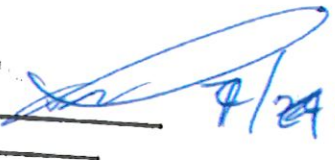
Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting	\$26,500.00	\$26,500.00	100.00%	\$26,500.00	\$0.00
02 -- Construction Phase Services	est. \$5,400.00	\$3,463.50		\$3,576.50	\$113.00
Total :	\$31,900.00	\$29,963.50		\$30,076.50	\$113.00

Phase: 02 -- Construction Phase Services

Labor Class	Hours	Rate	Amount
Associate Professional	1.00	113.00	113.00
Labor			113.00
Phase Subtotal			\$113.00
Amount Due This Invoice			\$113.00

Outstanding Invoices

Number	Date	Balance
1229134	6/26/2024	595.00
Total		595.00

APPROVED BY: 
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07-429-1520

West Goshen RCSTP Caustic Soda Conversion
EGMAU20004 Invoice Summary
Invoice Date 7/25/2024

Project:	EGMAU20004		
Pennoni Job No.:	RCSTP Caustic Soda Conversion		
Invoice No:	1233192		
Invoice Period:	6/17/2024	to	7/14/2024
Initial Authorization:	\$ 31,900.00	Date:	7/25/2024
Contract Amount:	\$ 31,900.00		
Previously Invoiced:	\$ 29,963.50		
Current Invoice:	\$ 113.00		
Invoiced to Date (\$):	\$ 30,076.50		
Invoiced to Date (%):	94%		
Remaining Budget (\$):	\$ 1,823.50		
Remaining Budget (%):	6%		

Budget by Phase:

Phase Name:	RCSTP Caustic Soda Conversion		
Phase Budget:	\$ 31,900.00		
Previously Invoiced:	\$ 29,963.50		
Current Invoice:	\$ 113.00		
Invoiced to Date (\$):	\$ 30,076.50		
Invoiced to Date (%):	94%		
Remaining Budget (\$):	\$ 1,823.50		
Remaining Budget (%):	6%		

Comments: Updated as-built drawings based on updated plumbing information from RCSTP operator.



INVOICE

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

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

Invoice No : 1233193
Invoice Date : 07/25/2024
Project : EGMAU22004
Project Name : RCSTP UV
Replacement


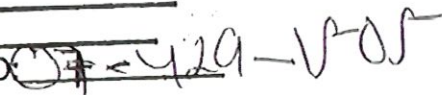
For Services Rendered Through 07/14/2024

Coordinated with Glasco for longer UV module cords. Processed Lenni's pay application #3 and Zimmerman's pay application #2.

Phase	02	Construction Phase Services		
Labor				
		Hours	Rate	Amount
Associate Professional		3.00	113.00	339.00
Totals		3.00		339.00
Total Labor				339.00
Billing Limits				
		Current	Prior	To-Date
Total Billings		339.00	15,346.50	15,685.50
Limit				16,000.00
Remaining				314.50
			Total this Phase	\$339.00
			Total this Invoice	<u>\$339.00</u>

Outstanding Invoices

Number	Date	Balance
1229135	6/26/2024	463.75
Total		463.75

APPROVED BY:  7/25/24
DATE PAID: _____
CHECK #: _____
CHARGED TO:  429-V-05

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

RCSTP UV Replacement
EGMAU22004 Invoice Summary
Invoice Date 07/25/2024

Project:	EGMAU22004		
Pennoni Job No.:	RCSTP UV Replacement		
Invoice No:	1233193		
Invoice Period:	6/17/2024	to	7/14/2024
Initial Authorization:	\$ 30,000.00	Date:	7/25/2024
Contract Amount:	\$ 60,000.00		
Previously Invoiced:	\$ 59,242.25		
Current Invoice:	\$ 339.00		
Invoiced to Date (\$):	\$ 59,581.25		
Invoiced to Date (%):	99%		
Remaining Budget (\$):	\$ 418.75		
Remaining Budget (%):	1%		

Budget by Phase:

Phase Name:	RCSTP UV Replacement		
Phase Budget:	\$ 60,000.00		
Previously Invoiced:	\$ 59,242.25		
Current Invoice:	\$ 339.00		
Invoiced to Date (\$):	\$ 59,581.25		
Invoiced to Date (%):	99%		
Remaining Budget (\$):	\$ 418.75		
Remaining Budget (%):	1%		

Comments: Coordinated with Glasco for longer UV module cords. Processed Lenni's pay application #3 and Zimmerman's pay application #2.



INVOICE

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

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

Invoice No : 1233194
Invoice Date : 07/25/2024
Project : EGMAU24001
Project Name : 2024 General
Services

For Services Rendered Through 07/14/2024

Submitted July Engineer's Report.

Continued hydraulic analysis of Ridley Creek collection system to convey potential diversion from Hershey Mill community's wastewater treatment plant.

Prepared draft long-term Capital Improvement Plan project list and budget estimates. Attended meeting with Township staff to review Plan. Created map of neighborhoods proposed for pipe lining. Initiated updates to Plan based on staff comments.

Additional work on Chester Creek Interceptor construction project that was beyond Pennoni's original project scope: Processed change order and final payment.

Barkway Pump Station: Reserached historical plans for pump replacements and wet well upgrades. Analyzed bypass pump sizing. Contacted vendor for quote for new bypass pump and replacement submersible pumps.

Evaluated potential DCED grant opportunities for future pipe lining work.

Billing Limits	Current	Prior	To-Date
Total Billings	5,142.50	12,259.50	17,402.00
Limit			42,000.00
Remaining			24,598.00

Authority Engineer:

Labor

	Hours	Rate	Amount
Township Engineer	.25	153.00	38.25
Authority Engineer	8.25	153.00	1,262.25
Associate Professional	34.00	113.00	3,842.00
Totals	42.50		5,142.50

APPROVED BY: [Signature] 7/25/24 5,142.50
DATE PAID: _____ Total this Invoice \$5,142.50

CHECK #: _____
CHARGED TO: 07-424-3150

Continued on next page...

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

Project	EGMAU24001	2024 General Services	Invoice	<Draft>
---------	------------	-----------------------	---------	---------

Outstanding Invoices

Number	Date	Balance
1229137	6/26/2024	5,109.75
Total		5,109.75

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

2024 General Services
EGMAU24001 Invoice Summary
Invoice Date 07/25/2024

Project:	EGMAU24001		
Pennoni Job No.:	2024 General Services		
Invoice No:	1233194		
Invoice Period:	6/17/2024	to	7/14/2024
Initial Authorization:	\$ 42,000.00	Date:	7/25/2024
Contract Amount:	\$ 42,000.00		
Previously Invoiced:	\$ 12,259.50		
Current Invoice:	\$ 5,142.50		
Invoiced to Date (\$):	\$ 12,259.50		
Invoiced to Date (%):	29%		
Remaining Budget (\$):	\$ 29,740.50		
Remaining Budget (%):	71%		

Budget by Phase:

Phase Name:	2024 General Services		
Phase Budget:	\$ 42,000.00		
Previously Invoiced:	\$ 12,259.50		
Current Invoice:	\$ 5,142.50		
Invoiced to Date (\$):	\$ 12,259.50		
Invoiced to Date (%):	29%		
Remaining Budget (\$):	\$ 29,740.50		
Remaining Budget (%):	71%		

Comments: Submitted May and June Engineer's Reports. Reviewed agenda packets and RCSTP operator's reports in preparation for May and June MA meetings. Attended May MA meeting. Planning for Supplee Valley CIPPL project with Township staff. Initiated preparation of bid document. RCSTP project updates w/ M. Miller. Evaluated actual caustic soda usage volume for first month of operation in comparison to that projected in study (actual is less than projected). Initiated evaluation of alternatives to monitor and data log electrical spikes at RCSTP. Initiated preparation of 10-year Capital Improvement Plan project list and budget estimates. Initiated hydraulic analysis of Ridley Creek collection system to convey potential diversion flows from Hershey Mill community's wastewater treatment plant. Responded to questions on possible diversion from Hershey Mill community representatives. Additional work on Chester Creek Interceptor construction project that was not part of Pennoni's original project scope: performed review of post-construction pipe lining video, inspection of pipe lining punchlist work, and processed Change Order #2 and Pay Application #4.



July 26, 2024

EGMAU23003

East Goshen Municipal Authority
Attn: Mark Miller, Director of Public Works
1580 Paoli Pike
West Chester, PA 19380

**RE: Payment Application #5 Recommendation
Chester Creek Interceptor Inspection and Repair, Contract No. CCSS-2023**

Dear Mr. Miller:

The Contractor, Insituform Technologies, LLC, has submitted the fifth and final invoice for work completed for the subject project. We have reviewed the work-in-progress, including lateral reinstatements, and we confirm that the described work has been completed.


We have reviewed the attached Payment Application #5 provided by the Contractor, and we recommend payment in the amount of \$11,348.00. Overall, the contract is 100% complete.

The Contractor closeout documents are attached, consisting of the Statement of Surety, Contractor's Release, Maintenance Bond, and President Officer Appointment Letter. The Contractor previously submitted the Maintenance Bond, and we note that the 2-year maintenance period began at the date of substantial completion, which was May 20, 2024.

The certified payrolls for the entire project are also attached.

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

Sincerely,
PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Associate Vice President

/ela

Enclosures: Application and Certification for Payment #5
Payment Estimate #5
Closeout Documents
Certified Payrolls

cc: Shivon Shiwpal, Insituform Technologies
Dave Ware, Township Finance Director
Derek Davis, Township Manager

APPLICATION AND CERTIFICATE FOR PAYMENT

AIA DOCUMENT G702 (Instructions on reverse side) PAGE 1 OF 2

TO: East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380

PROJECT: Chester Creek Interceptor

Contract No: CCSS-2023

APPLICATION NO: 5 - Final

PERIOD TO: 5/18/2024 - 7/5/2024

- Distribution to:
- Owner
 - Engineer
 - Contrator
 -

FROM:
Insituform Technologies, LLC
580 Goddard Ave
Chesterfield, MO 63005

VIA (ENGINEER):
Pennoni Associates Inc.
Christiana Executive Campus
121 Continental DR, Suite 207
Newark, DE 19713

Engineer's
PROJECT NO:

CONTRACT DATE:

CONTRACTOR'S APPLICATION FOR PAYMENT

CHANGE ORDER SUMMARY			ADDITIONS	DEDUCTIONS
Change Orders approved in previous months by Owner				
TOTAL				
Approved this Month				
Number	Date Approved			
CO 1	2/19/2024		\$ 12,750.00	\$ 16,400.00
CO 2	7/10/2024		\$ 7,000.00	\$ 2,640.00
TOTALS			\$ 19,750.00	\$ 19,040.00
Net change by Change Orders			\$ 710.00	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents. All amounts shown have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

APPROVED BY: [Signature]
DATE PAID: 7/29/24
CHECK #: 3706
CHARGED TO: 07-429

CONTRACTOR: Insituform Technologies, LLC

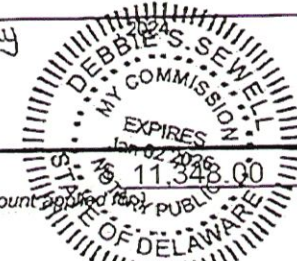
By: [Signature] Date: 7/11/2024

Application is made for Payment, as shown below, in connection with the Contract, Continuation Sheet, AIA Document G703, is attached.

1 ORIGINAL CONTRACT SUM	\$ 214,850.00
2 Net Change by Change Orders	\$ 710.00
3 CONTRACT SUM TO DATE	\$ 215,560.00
4 TOTAL COMPLETED & STORED TO DATE (Column G on G703)	\$ 215,560.00
5 RETAINAGE:	
a. 0% of Completed Work (Column D+E on G703)	\$ -
b. % of Stored Material (Column F on G703)	-
Total Retainage (Line 5a + 5b or Total in Column I of G703)	\$ -
6 TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	\$ 215,560.00
7 LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from previous Certificate)	204,212.00
8 CURRENT PAYMENT DUE	\$ 11,348.00
9 BALANCE TO FINISH, PLUS RETAINAGE (Line 3 less Line 6)	\$ -

Subscribed and sworn to before me this 11th day of July

Notary Public: Debbie S. Sewell
My Commission expires: Jan 02 2026



ENGINEER'S CERTIFICATE FOR PAYMENT

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application, the engineer certifies to the Owner that to the best of the Engineer's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED
(Attach explanation if amount certified differs from the amount applied for)
Engineer:

BY: [Signature] DATE: 7/26/2024

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.

PAYMENT ESTIMATE NO. 5 - Final

PROJECT NO.: CCSS-2023
DATE: 7/5/2024

PERIOD: 5/18/2024 - 7/5/2024
OWNER: East Goshen Municipal Authority

ITEM	DESCRIPTION OF WORK	BID QUANTITY	UNIT PRICE	TOTAL EXTENSION	WORK COMPLETED				TOTALS	
					PREVIOUS ESTIMATE		CURRENT ESTIMATE			
1	Clean and Televis 24 Sanitary Sewer.	4900.00	\$ 15.00	\$ 73,500.00	5350	\$ 80,250.00	\$ -	5,350.0	\$ 80,250.00	
2	Televis 4" and 6" Sanitary Sewer Lateral.	40.00	\$ 50.00	\$ 2,000.00	32	\$ 1,600.00	\$ -	32.0	\$ 1,600.00	
3	Cured-In-Place Pipe Lining of 24" Pipe within Township Roads	360.00	\$ 300.00	\$ 108,000.00	351.2	\$ 105,360.00	\$ -	351.2	\$ 105,360.00	
4	Cured-In-Place Pipe Lining of 4" or 6" lateral		\$ 400.00	\$ -		\$ -	\$ -	0.0	\$ -	
5	Lateral T-Connction and Excavated Transittic		\$ 4,000.00	\$ -		\$ -	\$ -	0.0	\$ -	
6	Lateral Reinstatements.	3.00	\$ 200.00	\$ 600.00		\$ -	3 \$ 600.00	3.0	\$ 600.00	
7	Pipe Grouting.	2.00	\$ 2,500.00	\$ 5,000.00	2	\$ 5,000.00	\$ -	2.0	\$ 5,000.00	
8	Manhole Pressure Grouting. Price complete, in place, per each manhol	4.00	\$ 1,500.00	\$ 6,000.00	5	\$ 7,500.00	\$ -	5.0	\$ 7,500.00	
9	Grout	75.00	\$ 50.00	\$ 3,750.00	185	\$ 9,250.00	\$ -	185.0	\$ 9,250.00	
10	Remove Asphalt/Debris from Pipe	1.00	\$ -	\$ -	1	\$ -	\$ -	1.0	\$ -	
11	Cut Lateral and Install T- Connection	1.00	\$ -	\$ -	1	\$ -	\$ -	1.0	\$ -	
CO1	Additional cost to grout a weeping lateral in C027-C026	1.00	\$ 6,000.00	\$ 6,000.00	1	\$ 6,000.00	\$ -	1.0	\$ 6,000.00	
							\$ -			
CONTRACT TOTAL				\$ 204,850.00	TOTAL	\$ 214,960.00	\$ 600.00	TOTAL	\$ 215,560.00	



JWC Environmental®

2850 Red Hill Ave., STE 125
Santa Ana, CA 92705
(949) 833-3888

Invoice No: 119462
Date: 7/12/2024
Order No: S046842
Page No: 1
F.O.B: Origin

Sold To
East Goshen Township 1580 Paoli Pike West Chester, PA 19380 US - UNITED STATES

Ship To
East Goshen Township 1580 Paoli Pike West Chester, PA 19380 US - UNITED STATES

TIN: 45-2771126

DUNNS# 61-059-2388

CUSTOMER ID		CUSTOMER PO		PAYMENT TERMS		FREIGHT TERMS	
6005886		24-01052		Net 30		Freight: Prepaid	
SALES REP ID		SHIPPING METHOD		SHIP DATE		INVOICE DUE DATE	
035		Old Dominion Freight Line		7/12/2024		8/11/2024	
QUANTITY				PART		DESCRIPTION	
LI#	ORD	SHP	BCK				

1	1	1	0	Eval_CA	CMD3210-XDS2.0 S020646-2-1
2	1	1	0	CMD3210-XDS2.0	CMD3210-XDS2.0 Upgrade 7-tooth 2-zone Monster Stack™ Zone 2: 7-tooth .438 thick cam cutters Zone 1: 7-tooth .438 thick cam cutters, double-stacked Alloy Steel Buna N Elastomers Cork & Rubber Gaskets Drum Side Rails Vertical Shaft Support with Grease Line Motor Type: Electric Less Motor Less Reducer Less Spool With 1/4" Perforated Drum with brushes Paint: Epoxy Green Grinder SN: S046842-2-1
3	2	2	0	MANUALS	O&M MANUALS Included with equipment (2) Copies
4	1	1	0	AMA0160-3200-480-35	BRUSH KIT, AMA3200-480 35DEG
5	1	1	0	Shipping	Shipping & Handling Included

PAID

7/27/24

APPROVED BY: *WLS*

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07-424-7490

Ridley Creek

SUB TOTAL: \$27,691.19
SALES TAX: \$0.00

TOTAL AMOUNT DUE: \$27,691.19

PLEASE REFERENCE THIS INVOICE NUMBER ON YOUR CHECK AND REMIT TO: JWC Environmental Inc.
2850 Red Hill Ave Ste 125
Santa Ana, CA 92705

IF PAYING BY ACH OR WIRE:

ACH/WIRE INSTRUCTIONS

Dana Gieder

From: Mike Moffa <MMoffa@westgoshen.org>
Sent: Tuesday, July 16, 2024 1:29 PM
To: David Ware; Derek Davis; Mark Miller; Dana Gieder
Cc: Tina Charron; Chris Bashore; Matthew Froncillo; Christine Riffey
Subject: West Goshen Wastewater - Capital Project Billing
Attachments: West Goshen Sewer Authority Capital Cost Payments from Outside Municipalities.pdf; WG SA, 2023 Bond Projects - EG.pdf; WG SA, 2023 Tapping Fund Projects - EG.pdf

Follow Up Flag: Follow up
Flag Status: Completed

Good afternoon,

Please find attached two invoices for your township's share of the 2023 Capital Purchases of the West Goshen Sewer Authority. These costs are independent of, and in addition to, the O&M costs forwarded to you yesterday. Unlike the O&M invoices, we ask that a separate check is made for each of the Sewer Authority invoices. Please see the attached memo, WG Sewer Authority Capital Cost Payments from Outside Municipalities, for an explanation of why separate checks are required.

Please note, the total amount due is \$13,957 less than the projection provided for your township at our 9/21/2023 partner meeting. The invoices attached are as follows and should be made payable to the **West Goshen Sewer Authority**:

- WG SA, 2023 Bond Fund Projects - EG. Amount Due \$95.64.
- WG SA, 2023 Tapping Fund Projects - EG. Amount Due \$31,392.87.

Thank you for your cooperation and please do not hesitate to contact me with any questions,

Michael Moffa
Wastewater Superintendent
West Goshen STP
848 S. Concord Road / West Chester, PA 19382
O: 610.696.0900 / F: 610.429.9360





Memorandum

To: Mike Moffa

From: Christine Riffey

Date: April 15, 2024

Re: West Goshen Sewer Authority Capital Cost Payments from Outside Municipalities

At the end of each fiscal year, the West Goshen Sewer Authority submits capital cost reimbursement requests to each of the four outside municipalities with which a treatment agreement has been engaged. Per these agreements, each municipality is responsible for a certain cost share of various repairs and improvements made to the sewer plant and sewer system. These reimbursement requests are billed utilizing two distinct invoices based on the financing source for each specific repair or improvement.

In 2017, the West Goshen Sewer Authority obtained a bond in order to fund specific repair projects related to the sewer system. The bond requirements mandate that all expenses, and subsequent reimbursements, be managed through the bond trustee, which involves a separate account to be strictly maintained and utilized by a third party for all transactions related to projects funded through bond proceeds. To date, these bond projects remain ongoing. While the West Goshen Sewer Authority uses bond funds for certain specified projects, other projects are funded through general operating revenues which are directly managed by Township.

When reimbursement requests are submitted, the funds to be received need to be recognized by two different parties, at two different financial institutions. Bond funds cannot be comingled with operating funds and it is not possible to deposit a single check into two separate banks. Therefore, it is necessary for each municipality to submit two individual checks in accordance to the invoices that were distributed.

Please do not hesitate to contact me with additional questions or for further information.

West Goshen Sewer Authority

INVOICE



848 S. Concord Road
 West Chester, PA 19382
 P: 610-696-0900
 F: 610-429-9360

Date: July 15, 2024
 Invoice #: EG23-B
 For: 2023 WG Sewer Authority
 Bond Fund Expenses
 Bill To: East Goshen Township
 1580 Paoli Pike
 West Chester, PA 19380

DESCRIPTION	AMOUNT
Costs (Bond funded) for projects of the West Goshen Sewer Authority as per Memorandum Agreement No. VIII of June 20, 2017 for the period of January 01, 2023 through December 31, 2023 (details attached).	573.70

PAID

APPROVED BY: [Signature]
 DATE PAID: 7/23/24
 CHECK #: [Blank]
 CHARGED TO: 07-429-6108

SUBTOTAL	\$573.70
Capacity %	16.67%
OTHER	\$0.00
TOTAL	\$95.64

Please make check payable to:
WEST GOSHEN SEWER AUTHORITY

THANK YOU!

West Goshen Sewer Authority
BOND FUND
Expense Detail - 2023
East Goshen Township

Project	Vendor	Amount Allocated
SCADA (Equipment)	REFUND AMAZON SHIP CHARGES	-5.99
SCADA (Equipment)	REFUND AMAZON SHIP CHARGES	-20.31
SCADA (Equipment)	HELP NOW	600.00
	Total Allocated	573.70

West Goshen Sewer Authority

INVOICE



848 S. Concord Road
 West Chester, PA 19382
 P: 610-696-0900
 F: 610-429-9360

Date: July 15, 2024
 Invoice #: EG23-T
 For: 2023 WG Sewer Authority
 Tapping Fee Fund Expenses
 Bill To: East Goshen Township
 1580 Paoli Pike
 West Chester, PA 19380

DESCRIPTION	AMOUNT
Costs (Tapping Fund) for projects of the West Goshen Sewer Authority as per Memorandum Agreement No. VIII of June 20, 2017 for the period of January 01, 2023 through December 31, 2023 (details attached).	188,319.53

PAID

APPROVED BY: [Signature] 7/29/24
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 07-429-6100

SUBTOTAL	\$188,319.53
Capacity %	16.67%
OTHER	\$0.00
TOTAL	\$31,392.87

Please make check payable to:
WEST GOSHEN SEWER AUTHORITY

THANK YOU!

West Goshen Sewer Authority
TAPPING FEE FUND
Expense Detail - 2023
East Goshen Township

Project	Vendor	Amount Allocated
ACTUATED VALVE	L-B WATER SERVICE, INC.	8,666.10
ACTUATED VALVE	OPTIMUM CONTROLS CORPORATION	3,744.37
EQ BLOWER ROOF	WILLIAM M DUNLEAVY & CO, INC.	7,200.00
HEADWORKS - CONVEYOR LINER	KAPPE ASSOCIATES INC	5,200.00
MAG STRAINER - REIMBURSE SEWER	WEST GOSHEN TOWNSHIP	5,673.68
PRIMARY CLARIFIER #1	G.M.H. ASSOCIATES OF AMERICA, INC.	22,661.00
PRIMARY CLARIFIER #1	G.M.H. ASSOCIATES OF AMERICA, INC.	22,661.00
PRIMARY CLARIFIER #1	G.M.H. ASSOCIATES OF AMERICA, INC.	1,435.76
PRIMARY CLARIFIER #1	GS DEVELOPERS INC.	1,180.00
PRIMARY CLARIFIER #1	GS DEVELOPERS INC.	4,620.00
RAS VFD REPLACEMENT	OPTIMUM CONTROLS CORPORATION	7,194.00
RAS VFD REPLACEMENT	OPTIMUM CONTROLS CORPORATION	961.62
SCADA - PROF SERVICES	HELP NOW	950.00
SCADA - PROF SERVICES	OPTIMUM CONTROLS CORPORATION	7,245.00
SCADA - PROF SERVICES	OPTIMUM CONTROLS CORPORATION	19,950.00
SCADA - PROF SERVICES	OPTIMUM CONTROLS CORPORATION	14,440.00
UV REHAB PARTS	XYLEM WATER SOLUTIONS USA INC.	10,783.40
UV REHAB PARTS	XYLEM WATER SOLUTIONS USA INC.	5,979.00
UV REHAB PARTS	XYLEM WATER SOLUTIONS USA INC.	16,417.80
WWTP TRANSFORMER	HERBERT, ROWLAND & GRUBIC, INC.	307.50
WWTP TRANSFORMER	HERBERT, ROWLAND & GRUBIC, INC.	1,595.00
WWTP TRANSFORMER	HERBERT, ROWLAND & GRUBIC, INC.	665.00
TMDL	UNRUH TURNER BURKE & FREES	42.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	300.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	2,419.30
TMDL	UNRUH TURNER BURKE & FREES	231.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	1,664.50
TMDL	UNRUH TURNER BURKE & FREES	84.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	1,200.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	6,642.50
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	200.00
TMDL	UNRUH TURNER BURKE & FREES	231.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	2,737.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	600.00
TMDL	UNRUH TURNER BURKE & FREES	63.00
TMDL	HANGLEY, ARONCHICK, SEGAL, PUDLIN & SCHILLI	1,686.00
TMDL	HERBERT, ROWLAND & GRUBIC, INC.	500.00
TMDL	UNRUH TURNER BURKE & FREES	189.00

Total Allocated 188,319.53



Gawthrop Greenwood, PC
Attorneys at Law

gglaw@gawthrop.com (p) 610-696-8225
(f) 610-344-0922 www.gawthrop.com

GAWTHROP GREENWOOD CLIENT INVOICE

Please Mail checks to:
P.O. Box 562
West Chester, PA 19381-0562

To Make a Payment with a Credit Card, please visit:
<https://secure.lawpay.com/pages/gawthrop/operating>

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
08/05/2024
Client No: 6604-001M
Invoice No: 293953

General Authority Services

APPROVED BY: [Signature]
DATE PAID: _____
CHECK #: _____
CHARGED TO: 87-424-3140

Fees

		Hours	
07/12/2024	PMM		
	Email from L. Werkhesier with meeting agenda and materials; Review and analyze same.	0.30	61.50
07/15/2024	RCJ		
	Attend meeting of Authority Board. For Current Services Rendered	1.30 1.60	253.50 315.00

		Recapitulation		
Timekeeper		Hours	Hourly Rate	Total
Patrick M. McKenna, Esquire		0.30	\$205.00	\$61.50
Robert C. Jefferson, Esquire		1.30	195.00	253.50

Previous Balance	\$1,540.00
Total Current Charges	315.00

07/23/2024	Payment	-492.00
07/23/2024	Payment	-1,048.00
	Total Payments	-1,540.00
	Balance Due	<u>\$315.00</u>

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



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East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
08/05/2024
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services 1,540.00	315.00	0.00	-1,540.00	<u>\$315.00</u>

To ensure proper credit, please write your client number on your check when returning payment.
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: Dave Ware
Re: MA July 2024 YTD Financial Report
Date: August 5, 2024

YTD July 2024, the Municipal Authority recorded \$534,087.84 in revenues (primarily from Sewer Capital Reserve and Sewer Operating transfers) and \$528,781.16 in expenses (RCSTP UV replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies, West Goshen capital sewer tapping and bond, engineering and audit expenses). The net result of operations is \$5,306.68. As of July 31, 2024, the fund balance was \$6,688.76.

Attached is a complete list of 2024 YTD detailed MA revenues and expenses.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
YTD July 2024

<u>REVENUE</u>	Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
	07-341-1000	INTEREST EARNINGS	0.00	224.80	155.42
	07-364-1100	C.C. TAPPING FEES	2,300.00	0	0
	07-364-1110	R.C.TAPPING FEES	8,574.08	2,084.88	4,584.88
	07-364-1130	CONNECTION FEES - SEWER	1,127.52	563.76	563.76
	07-380-1000	MISCELLANEOUS REVENUE	564.06	282.24	282.24
	07-392-0500	TRANSFER FROM SEWER OPERATING	109,517.00	94,097.57	59,923.00
	07-392-0900	TRANSFER FROM SEWER CAP RESERVE	837,464.00	436,834.59	418,662.32
	Total Revenue		959,546.66	534,087.84	484,171.62
<u>EXPENSES</u>					
	07-424-1400	ADMINISTRATIVE WAGES	39,847.10	22,380.52	19,343.25
	07-424-3000	MISCELLANEOUS EXPENSE	3,286.22	1,056.61	1,595.25
	07-424-3110	MUNIC.AUTH.-AUDITING	21,630.00	11,250.00	10,500.00
	07-424-3130	ENGINEERING SERVICES	48,667.50	16,786.50	22,622.00
	07-424-3140	LEGAL SERVICES	8,652.00	3,934.50	3,292.50
	07-424-3700	CHESTER CREEK ENGINEERING	0.00	10,567.25	0
	07-424-7490	CAP.REPLACEMENT R.C.	310,500.00	27,691.19	0.00
	07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	85,000.00	0	10,240.62
	07-429-1505	RCSTP CAPITAL	366,963.84	198,696.08	109,819.66
	07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	0	90,113.64
	07-429-1520	RCSTP - CAUSTIC SODA	0.00	718.00	31,459.97
	07-429-3700	CHESTER CREEK CAPITAL	0.00	204,212.00	0
	07-429-6100	WEST GOSHEN CAPITAL	75,000.00	31,488.51	182,262.24
	Total Expenses		959,546.66	528,781.16	481,249.13
	Net Result From Operations		0.00	5,306.68	2,922.49

Municipal Authority
YTD Revenues and Expenses thru 7/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/24	Revenue Journal	INTEREST EARNED JANUARY 2024	35.21
07-341-1000	INTEREST EARNINGS	02/29/24	Revenue Journal	INTEREST EARNED FEBRUARY 2024	41.23
07-341-1000	INTEREST EARNINGS	03/31/24	Revenue Journal	INTEREST EARNED MARCH 2024	50.34
07-341-1000	INTEREST EARNINGS	04/30/24	Revenue Journal	INTEREST EARNED APRIL 2024	16.09
07-341-1000	INTEREST EARNINGS	05/31/24	Revenue Journal	INTEREST EARNED MAY 2024	13.17
07-341-1000	INTEREST EARNINGS	06/30/24	Revenue Journal	INTEREST EARNED JUNE 2024	38.57
07-341-1000	INTEREST EARNINGS	07/31/24	Revenue Journal	INTEREST EARNED JULY 2024	30.19
07-364-1110	R.C.TAPPING FEES	01/02/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	02/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	03/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	04/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	05/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	06/04/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	07/01/24	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	01/25/24	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 13262	281.88
07-364-1130	CONNECTION FEES - SEWER	04/24/24	Revenue Journal	CONNECTION FEE INSTALLMENT INV# 13263	281.88
07-380-1000	MISCELLANEOUS REVENUE	01/25/24	Revenue Journal	PINE ROCK INTEREST PORTION - STOFFLET	141.12
07-380-1000	MISCELLANEOUS REVENUE	04/24/24	Revenue Journal	PINE ROCK INTEREST PORTION - PAPPANO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/09/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	431.00
07-392-0500	TRANSFER FROM SEWER OPERATING	01/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	533.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/14/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	4,349.75
07-392-0500	TRANSFER FROM SEWER OPERATING	02/22/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	500.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/11/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	749.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/15/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	6,041.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/21/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	7,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/26/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	245.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/27/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,190.26
07-392-0500	TRANSFER FROM SEWER OPERATING	04/01/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	62.61
07-392-0500	TRANSFER FROM SEWER OPERATING	04/03/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,874.75
07-392-0500	TRANSFER FROM SEWER OPERATING	04/09/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	431.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/14/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	5,996.50
07-392-0500	TRANSFER FROM SEWER OPERATING	05/21/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	3,750.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/27/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	492.00
07-392-0500	TRANSFER FROM SEWER OPERATING	06/27/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	11,190.26
07-392-0500	TRANSFER FROM SEWER OPERATING	07/16/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	7,570.25
07-392-0500	TRANSFER FROM SEWER OPERATING	07/29/24	Revenue Journal	XFER FROM 05 SEWER OPERATING TO 07 MA	27,691.19
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/02/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,720.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	94.02
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/10/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	97.00

Municipal Authority
YTD Revenues and Expenses thru 7/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	14,805.16
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/26/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	9,530.65
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/31/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,136.12
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	6,860.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/08/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	91.92
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/14/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	4,598.99
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	73,665.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/22/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	5,848.97
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/27/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	46,517.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/29/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	923.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/05/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,703.78
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	800.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/11/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,991.86
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/15/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	37,659.48
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/21/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	3,101.53
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/01/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	558.07
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/03/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,690.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/09/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,375.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/14/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	1,694.25
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/06/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	117,677.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/16/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	64,206.37
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/29/24	Revenue Journal	XFER FROM 09 SEWER CAP TO 07 MA	31,488.51
Total Revenue					534,087.84
07-424-1400	ADMINISTRATIVE WAGES	03/26/24	Pay Check: 706	24-00730 QTR 1 2024 MA CHARGE BACK	11,190.26
07-424-1400	ADMINISTRATIVE WAGES	06/27/24	Pay Check: 708	24-01495 QTR 2 2024 MA CHARGE BACK	11,190.26
07-424-3000	MISCELLANEOUS EXPENSE	03/11/24	Pay Check: 3493	24-00582 2024 ANNUAL DAILY DISCHARGE CA	749.00
07-424-3000	MISCELLANEOUS EXPENSE	03/26/24	Pay Check: 3502	24-00722 PREP SEAL &PAINT BLOCK CHAMBER	245.00
07-424-3000	MISCELLANEOUS EXPENSE	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	27.02
07-424-3000	MISCELLANEOUS EXPENSE	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	35.59
07-424-3110	MUNIC.AUTH.-AUDITING	02/22/24	Pay Check: 3486	24-00447 PROGRESS BILLING AUDIT EGT MUA	500.00
07-424-3110	MUNIC.AUTH.-AUDITING	03/21/24	Pay Check: 3501	24-00676 PROGRESS BILLING AUDIT EGT MUA	7,000.00
07-424-3110	MUNIC.AUTH.-AUDITING	05/21/24	Pay Check: 3509	24-01183 FINAL BILLING AUDIT EGT MUA	3,750.00
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00380 SERV THRU 011424 23 CHAPTER 94	744.50
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00381 SERV THRU 011424 2024 GEN SERV	799.75
07-424-3130	ENGINEERING SERVICES	02/14/24	Pay Check: 3483	24-00384 SERV THRU 011424 2023 GEN SERV	521.50
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00647 SERV THRU 021124 23 CHAPTER 94	649.75
07-424-3130	ENGINEERING SERVICES	03/15/24	Pay Check: 3497	24-00648 SERV THRU 021124 2024 GEN SERV	725.00

Municipal Authority
YTD Revenues and Expenses thru 7/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3130	ENGINEERING SERVICES	04/03/24	Pay Check: 3503	24-00780 SERV THRU 031724 2024 GEN SERV	1,609.50
07-424-3130	ENGINEERING SERVICES	04/03/24	Pay Check: 3503	24-00779 SERV THRU 031724 23 CHAPTER 94	1,101.75
07-424-3130	ENGINEERING SERVICES	05/14/24	Pay Check: 3508	24-01143 SERV THRU 041424 2024 GEN SERV	4,015.50
07-424-3130	ENGINEERING SERVICES	05/14/24	Pay Check: 3508	24-01142 SERV THRU 041424 23 CHAPTER 94	1,509.50
07-424-3130	ENGINEERING SERVICES	07/16/24	Pay Check: 3514	24-01661 SERV THRU 061624 2024 GEN SERV	5,109.75
07-424-3140	LEGAL SERVICES	01/11/24	Pay Check: 3474	24-00076 LEGAL SERV DEC 2023 GEN AUTH	533.00
07-424-3140	LEGAL SERVICES	02/14/24	Pay Check: 3481	24-00378 LEGAL SERV JAN 2024 GEN AUTH	528.50
07-424-3140	LEGAL SERVICES	03/15/24	Pay Check: 3496	24-00635 LEGAL SERVICES 2/5-2/12/24 GEN	430.50
07-424-3140	LEGAL SERVICES	04/09/24	Pay Check: 3505	24-00826 LEGAL SERV MARCH 2024 GEN AUTH	431.00
07-424-3140	LEGAL SERVICES	05/14/24	Pay Check: 3507	24-01141 LEGAL SERV APRIL 2024 GEN AUTH	471.50
07-424-3140	LEGAL SERVICES	06/27/24	Pay Check: 3511	24-01450 LEGAL SERV MAY 2024 GEN AUTH	492.00
07-424-3140	LEGAL SERVICES	07/16/24	Pay Check: 3512	24-01657 LEGAL SERV JUNE 2024 GEN AUTH	1,048.00
07-424-3700	CHESTER CREEK ENGINEERING	02/14/24	Pay Check: 3483	24-00383 SERV THRU 011424 CHESTER CREEK	1,755.50
07-424-3700	CHESTER CREEK ENGINEERING	03/15/24	Pay Check: 3497	24-00645 SERV THRU 021124 CHESTER CREEK	4,235.75
07-424-3700	CHESTER CREEK ENGINEERING	04/03/24	Pay Check: 3503	24-00782 SERV THRU 031724 CHESTER CREEK	3,163.50
07-424-3700	CHESTER CREEK ENGINEERING	07/16/24	Pay Check: 3514	24-01660 SERV THRU 061624 CHESTER CREEK	1,412.50
07-424-7490	CAP.REPLACEMENT R.C.	07/29/24	Pay Check: 3516	24-01742 CMD3210-XDS2.0 MUFFIN MONSTER	27,691.19
07-429-1505	RCSTP CAPITAL	01/05/24	Pay Check: 3472	24-00033 TYPE B C&G 3" COUOLER X M NPT	94.02
07-429-1505	RCSTP CAPITAL	01/10/24	Pay Check: 703	24-00056 VARIOUS PURCHASES- SEE NOTES	97.00
07-429-1505	RCSTP CAPITAL	01/17/24	Pay Check: 3475	24-00098 RC ST-RAN CONDUIT FOR TEMP PUM	9,530.65
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 4" FNPT X 6" MCAM	429.92
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 ADAPTER 6" FRMALE CAM X MNPT	1,337.24
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 HOSE 6" X 50' CAMLOCK LAYFLAT	12,392.88
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check: 3476	24-00041 DELIVERY	645.12
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3477	24-00210 SAND BAR (YELLOW) & BAGS	67.00
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check: 3478	24-00237 HOSE 6"X10' HD TANK TRUCK CAML	4,069.12
07-429-1505	RCSTP CAPITAL	02/06/24	Pay Check: 3479	24-00271 TROUGH AND CMU WALL ABLATION	6,860.00
07-429-1505	RCSTP CAPITAL	02/08/24	Pay Check: 704	24-00317 VARIOUS PURCHASES- SEE NOTES	91.92
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3482	24-00379 RCSTP- UV REPLACEMENT PYMT 1	4,296.24
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check: 3483	24-00382 SERV THRU 011424 RCSTP GENERAT	302.75
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00426 UV SYSTEM INSTALLATION-FILTER	1,427.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3484	24-00425 DISK FILTER#1 FAILURE, ALARM T	300.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3485	24-00436 PIPING FOR NEW MUFFIN MONSTER	3,980.40
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check: 3487	24-00437 ELECTRICAL PARTS-INSTL MUFFIN M	141.57
07-429-1505	RCSTP CAPITAL	02/27/24	Pay Check: 3489	24-00513 FLYGT NP-3171.095 6" SUBMERSIB	33,647.00
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	794.81
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check: 705	24-00520 VARIOUS PURCHASES- SEE NOTES	129.10
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3490	24-00539 PURCHASE TENT HEATERS & DELIVER	2,149.78
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00530 (20) ROD 5/8 X 20' (#5)	356.00

Municipal Authority
YTD Revenues and Expenses thru 7/31/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check: 3491	24-00550 5.5 YD CONCRETE 4000 PSI	1,198.00
07-429-1505	RCSTP CAPITAL	03/06/24	Pay Check: 3492	24-00567 20X20 TENT RENTAL UV CONCRETE	800.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3494	24-00606 DUMPSTER RENTAL- CONSTRUCTION	450.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check: 3495	24-00607 RCSTP-UV DISINFEC RPLCMT PYMT2	3,541.86
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00646 SERV THRU 021124 RCSTP GENERAT	3,658.25
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3497	24-00644 SERV THRU 031124 RCSTP UV REPL	2,698.50
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3498	24-00659 (5) 5 GALLONS WHITE PAINT	118.95
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check: 3499	24-00625 RCSTP- UV DISINFECTION SYS REP	31,183.78
07-429-1505	RCSTP CAPITAL	03/21/24	Pay Check: 3500	24-00698 INSTALL EMER. SHOWER & EYEWASH	3,101.53
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	18.49
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	313.32
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check: 707	24-00765 VARIOUS PURCHASES- SEE NOTES	226.26
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check: 3503	24-00783 SERV THRU 031724 RCSTP UV REPL	661.50
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check: 3503	24-00781 SERV THRU 031724 RCSTP GENERAT	1,028.50
07-429-1505	RCSTP CAPITAL	04/09/24	Pay Check: 3504	24-00872 20X20 FRAME TENT RENTAL4/3-5/1	800.00
07-429-1505	RCSTP CAPITAL	04/09/24	Pay Check: 3506	24-00869 CONCRETE PUMPING- 1751 TOWNE	575.00
07-429-1505	RCSTP CAPITAL	05/14/24	Pay Check: 3508	24-01144 SERV THRU 041424 RCSTP UV REPL	1,571.25
07-429-1505	RCSTP CAPITAL	07/16/24	Pay Check: 3513	24-01664 RCSTP-UV DISINFEC RPLCMT PYMT3	10,110.42
07-429-1505	RCSTP CAPITAL	07/16/24	Pay Check: 3513	24-01662 RCSTP-UNWIRE & REMOVE CABLES	267.50
07-429-1505	RCSTP CAPITAL	07/16/24	Pay Check: 3514	24-01658 SERV THRU 061624 RCSTP UV REPL	-226.00
07-429-1505	RCSTP CAPITAL	07/16/24	Pay Check: 3514	24-01658 SERV THRU 061624 RCSTP UV REPL	689.75
07-429-1505	RCSTP CAPITAL	07/16/24	Pay Check: 3515	24-01663 RCSTP-UV DISINFECTION SYS REP	52,769.70
07-429-1520	RCSTP - CAUSTIC SODA	05/14/24	Pay Check: 3508	24-01145 SERV THRU 041424 RCSTP CAU SOD	123.00
07-429-1520	RCSTP - CAUSTIC SODA	07/16/24	Pay Check: 3514	24-01659 SERV THRU 061624 RCSTP CAU SOD	595.00
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00376 CHESTERCREEK INTERCEPTOR PYMT1	20,340.00
07-429-3700	CHESTER CREEK CAPITAL	02/14/24	Pay Check: 3480	24-00377 CHESTERCREEK INTERCEPTOR PYMT2	53,325.00
07-429-3700	CHESTER CREEK CAPITAL	02/27/24	Pay Check: 3488	24-00516 CHESTERCREEK INTERCEPTOR PYMT3	12,870.00
07-429-3700	CHESTER CREEK CAPITAL	06/06/24	Pay Check: 3510	24-01292 CHESTERCREEK INTERCEPTOR PYMT4	117,677.00
07-429-6100	WEST GOSHEN CAPITAL	07/29/24	Pay Check: 3517	24-01750 2023 WG SEWER AUTH TAPPING FEE	31,392.87
07-429-6100	WEST GOSHEN CAPITAL	07/29/24	Pay Check: 3518	24-01751 2023 WG SEWER AUTH BOND FUND E	95.64

Total Expense **528,781.16**

Net Operating **5,306.68**

Erika Addison
Pennoni Associates
121 Continental Drive, Suite 207
Newark, DE 19713
Phone: 302-351-5263
Email: eaddison@Pennoni.com

July 24, 2024

Re: Ridley Creek STP Utility Power Monitoring
Site Address: 1751 Towne Drive, West Chester, PA 19380
EnerG Test Proposal #SF-10794

EnerG Test, LLC is a NETA accredited, highly trained, qualified, and experienced engineering service, electrical testing, and equipment servicing organization, a fully owned subsidiary of the Tri-M Group. Safety, quality, and professionalism are the fundamental characteristics of our company, and our accomplishments are identified by reliability, efficiency, and thoroughness. We specialize in offering engineering, testing, and equipment solutions to meet our customer's needs.

Based on your request, EnerG Test will provide labor material, and equipment to provide the following scope of work:

Detailed Scope of Work:

1. Install Power Quality Meter
 - a. Average current usage, peak current usage
 - b. RMS voltage, Transient voltage, voltage swells, voltage dips and dropouts
 - c. Power factor, Displacement power factor, voltage unbalances and phase sequence
 - d. Harmonic voltage and currents
 - e. All data will be analyzed by a professional engineer and a full report will be provided.

General Clarifications:

- Power meter will be left on for a period of 25 days.
- EnerG Test to provide protective grounds, as necessary, for safe access to the equipment
- No repair, replacement parts, or associated labor outside of the scope of work is included.
- This proposal assumes that any equipment requiring energized electrical work, including but not limited to commissioning, metering, and testing, will be labeled by the owner with an NFPA 70E compliant arc flash label. If a label or owner provided analysis is not available, an incident energy analysis can be provided at an additional fee.
- This proposal excludes providing an Arc Flash Hazard Analysis and associated equipment labeling.
- Final report will be issued within 30 calendar days after completion of scope of work.

Schedule/ Timeline

- Our proposal is based on completing the scope of work during normal business hours (Mon-Fri 7am – 3:30pm)
- No electrical outage will be required to install the power meter.
- Power meter will be left on for a period of 25 days.

Owner Responsibilities

The facility owner representatives are to provide:

- Provide all equipment manufacturer manuals and single line drawings
- All switching to remove electrical load and restore electrical load if applicable.
- Coordination of switching by the local utility to isolate the equipment for inspection and testing and payment for services provided by the utility if applicable.



206 Gale Lane
Kennett Square, PA 19348

enerGtest.com

Office: 484-731-0200
24hr Service: 800-456-7782

empowering peace of mind

Pricing

Total Project Pricing: \$9,144.00

- No federal, state, or local taxes on labor are included in the above pricing.
- If this project is tax exempt, a copy of their tax-exempt form will be submitted with their purchase order
- The volatility of copper and other metals as well as the unpredictability of the impacts related to new government tariffs have made the projection of certain building materials difficult to forecast. EnerG Test reserves the right to recover increases greater than 5% of any materials containing copper or other metals. The increase will be based on Producer Price Index as of the day the proposal is submitted.
- Cancellation or postponement of schedule work (non-weather related) could result in additional charges.
- Cancellation/postponement within 48 hours of scheduled work will result in a fee of 10% of the project value.
- Cancellation/postponement within 1 week of scheduled work will result in a fee of 5% of the project value.

Terms & Conditions

- This proposal is valid for thirty (30) days, from the date of issue.
- EnerG Test's Customer Terms and Conditions (05.25.21 Version) are the basis for all pricing and should this proposal be accepted shall become part of the contract documentation and supersede all subsequent terms to the contrary.

EnerG Test appreciates the opportunity to support your electrical needs. If you have any questions, please contact me.

Respectfully,

Jason Smith

Jason Smith
Account Executive
Cell: 610-721-3548
Email: mjsmith@energtest.com

From: [Michael Ellis](#)
To: [Lynn Werkheiser](#); [David Ware](#)
Cc: [Mark Miller](#); [Derek Davis](#)
Subject: Supplee Valley Pipe Lining for MA meeting
Date: Thursday, August 8, 2024 11:35:35 AM
Attachments: [ATT00001.png](#)
[000000 Advertisement.docx](#)

Hi Lynn,

Please include another MA New Business agenda item for: Approval to Advertise for Supplee Valley Pipe Lining. Mark and I discussed this today also.

The proposed draft advertisement is attached for reference, and the proposed bid schedule follows:

Pennoni to provide final ad to EGT to send to DLN = 8/13
Advertise in DLN = 8/14 and 8/19
Bids due = 9/4
Pennoni award recommendation = 9/5
MA Award consideration = 9/9
NTP with construction = early October with goal to complete work by end of 2024

Dave,
I'll call you to revisit budget so that we can establish Base Bid vs. Add Items if needed.

Mike

Michael Ellis, PE
Municipal Division Manager

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



[Our Services and Expertise](http://www.pennoni.com)

Supplee Valley Sanitary Sewer Pipe Lining
Contract No. SSPL-2024

A. ADVERTISEMENT

***EAST GOSHEN MUNICIPAL AUTHORITY
WEST CHESTER, PENNSYLVANIA***

Sealed bids will be received electronically through PennBid™ by the East Goshen Municipal Authority for **Supplee Valley Sanitary Sewer Pipe Lining, Contract No. SSPL-2024** until 11:00 AM, prevailing time, on the 4th day of September 2024, at which time they will be publicly read at the East Goshen Township office, 1580 Paoli Pike, West Chester, PA 19380. All documents and solicitation details are available online anytime at no cost at PennBid™ (www.PennBid.net).

Each bid must be accompanied by a certified check or bid bond payable to the Owner in an amount of not less than ten percent (10%) of the bid or bids. Only bonds from companies licensed to do business in the State where the Owner is located will be accepted and the bond shall so state same.

This project involves cured-in-place pipe lining of ±5,710 L.F. of 8-inch diameter asbestos cement gravity sewer pipe and 44 lateral reinstatements.

Bids must be submitted unconditionally. No bidder may withdraw bid within sixty (60) days after the scheduled closing time for receipt of bids.

The Owner reserves the right to waive any informality, or to reject any or all bids.

Pennsylvania Department of Labor and Industry Prevailing Wage Rates apply to this project.