

**EAST GOSHEN MUNICIPAL AUTHORITY**

July 15, 2024

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. **APPOINTMENT OF OFFICERS**

4. **SEWER REPORTS**

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

5. **APPROVAL OF MINUTES**

- June 10, 2024

6. **APPROVAL OF INVOICES**

Pennoni	1229134	\$595.00	
Pennoni	1229135	\$463.75	
Pennoni - credit for invoice #1221070 & applied to #1229135		-\$226.00	
Pennoni	1229136	\$1,412.50	
Pennoni	1229137	\$5,109.75	
Pennoni for <b>Zimmerman Environmental</b> - RCSTP UV Disinfection System Replacement	Payment Application #2	\$52,769.70	
Pennoni for <b>Lenni Electric</b> - RCSTP UV Disinfection System Replacement	Payment Application #3	\$10,110.42	
Pennoni - Chester Creek Interceptor Inspection & Repair	Change Order #2	\$4,360.00	
Gawthrop Greenwood	291598	\$492.00	
Gawthrop Greenwood	293276	\$1,048.00	
Lenni Electric	240631	\$267.50	

7. **LIAISON REPORTS**

8. **FINANCIAL REPORTS**

- a. June 2024

9. **OLD BUSINESS**

**10. 2024 Goals:**

<b>Goal</b>	<b>Status</b>
Ridley Creek plant compliance	January through June 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 <sup>st</sup> 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.

**11. NEW BUSINESS**

- Memo from Kevin Miller

**12. CAPACITY REQUESTS**

**13. ANY OTHER MATTER**

**14. CORRESPONDENCE AND REPORTS OF INTEREST**

**15. PUBLIC COMMENT**

**16. ADJOURNMENT**

**EAST GOSHEN MUNICIPAL AUTHORITY**  
**EAST GOSHEN TOWNSHIP**  
1680 PAOLI PIKE, WEST CHESTER, PA 19380-6199  
610-692-7171

Date: July 15, 2024  
To: Municipal Authority  
From: Mark Miller  
Re: Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 833,288 per day.

**Meters:**

- Were read on a daily basis
- Flows are down, mainly because of the lack of rain and our infiltration repairs.

**C.C. Collection:**

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

**C.C. Interceptor:**

- Nothing to report

### R.C. Collection:

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

### Ridley Creek Plant:

#### UV System

- The PWD assisted the plant operator with much-needed cleanup after the UV installation.
- The new UV is fully operational.
- We are awaiting a startup date from Glasco to go over the unit.
  - We have an issue with the length of one of the cords. Mike Ellis reached out to Glasco for a replacement.

### Applebrook Golf Course

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

Alarms: 8

PA One Calls: 60

Monthly Rainfall: 2.55"

Lateral Repairs or Caps: 2 (in Bow Tree)



## EAST GOSHEN MUNICIPAL AUTHORITY ENGINEER'S REPORT

July 11, 2024

### Ridley Creek Sewage Treatment Plant (RCSTP)

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

Matt Mullin provided as-built photos of the caustic soda plumbing on July 10. We are currently updating the as-built plans accordingly with the provided plumbing information.

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** – Zimmerman installed the jib crane and the second UV module, shrouds, and guides on June 11. 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 contacted Glasco on June 25 in regard to obtaining a new, longer cord for the module. Glasco responded on July 2 stating that they would review and provide a response accordingly. We contacted Glasco on July 10 for an update on the cords and are waiting for a response. After this issue is resolved, 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 ( $\pm 30$  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 – July 17 – 31, 2024*
- *Construction Completed – Early-Mid August 2024*

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

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

- **Generator #2 Replacement** – No activity by Pennoni since the last report.

- **Electrical Surge Evaluation** – The Municipal Authority has requested that the electric supply into the plant be evaluated. We recommend that a data logger be installed on the PECO main supply line into the plant. The preferred location to do the testing would be at the Main Distribution Panel (MDP) which is outside near the PECO Transformer. We spoke with Lenni Electric, who concurs with this recommendation, but has not previously installed data loggers before. We are currently reaching out to other parties to install a data logger and to obtain quotes. After which, we can evaluate the type(s) of equipment needed to mitigate any adverse power conditions.

## Sanitary Sewer Pipe Rehab

- **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work. The Contractor still needs to provide the final payment application, closeout documents, and remaining prevailing wage certifications in order to mark the project as completed.
- **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. The sewers have been televised. Public Works will provide the videos to Pennoni for review, and we will then prepare a bid document. The goal is to construct this work by the end of 2024.

## New Connections

- Millstone Meadows (1010 Hershey Mill Road) – No activity by Pennoni since the last report.
- 301 Reservoir Road (5-Lot Residential Subdivision) – The Applicant submitted the Sewage Facilities Planning Mailer to PADEP on July 11.
- 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was previously installed, but we are not aware that 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 that is currently under review.

## Capital Improvement Plan

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

## Barkway Pump Station

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

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 June 2024. Caustic usage increased to 51 gallons per day from 40 gallons per day last month. Aluminum sulfate solution volumes decreased to a daily average of 70.5 gallons from the previous standard of 74.8 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.

**Treatment Process Operation**

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for June 2024. The monthly average total phosphorus was reported as 0.16 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 monthly average TSS is reported as 4.6 mg/L compared to the discharge limitation of 10 mg/L.

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

Table 1

JUNE 2024- Final Effluent - Outfall 001													
NPDES Permit Discharge Limitations	Flow	CBOD5		Total Nitrogen		TSS		NH4-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													
June 4, 2024	0.297	2.0	5.0	8.24	20.4	4.5	11.1	0.10	0.25	0.28	0.69	1	0.0000
June 11, 2024	0.267	2.0	4.5	7.00	15.6	4.2	9.4	0.10	0.22	0.10	0.22	1	0.0000
June 18, 2024	0.248	2.0	4.1	8.90	18.4	5.8	12.0	0.10	0.21	0.10	0.21	1	0.0000
June 25, 2024	0.217	2.0	3.6	8.35	15.1	4.0	7.2	0.10	0.18	0.14	0.25	5	0.6990
<b>Average</b>	0.257	2.0	4.3	8.12	17.4	4.6	9.9	0.10	0.21	0.16	0.34	2	0.1747
<b>Minimum</b>	0.217	2.0	3.6	7.00	15.1	4.0	7.2	0.10	0.18	0.10	0.21	1	0.0000
<b>Maximum</b>	0.297	2.0	5.0	8.90	20.4	5.8	12.0	0.10	0.25	0.28	0.69	5	0.6990

Table 2 presents the pollutant data for the influent wastewater collected at the doghouse manhole during June 2024.

Table 2

JUNE 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													
June 4, 2024	0.362	563	1,700	537	1,621	554	1,673	29.8	90	78.5	237	10.7	32.3
June 11, 2024	0.332	417	1,155	349	966	440	1,218	28.4	79	66.1	183	7.91	21.9
June 18, 2024	0.322	445	1,195	496	1,332	396	1,063	31.5	85	63.1	169	8.35	22.4
June 25, 2024	0.283	532	1,256	515	1,216	453	1,069	37.2	88	80.9	191	10.10	23.8
Average	0.325	489	1,326	474	1,284	461	1,256	32	85	72.2	195	9.27	25.1
Minimum	0.283	417	1,155	349.0	966	396	1,063	28	79	63.1	169	7.91	21.9
Maximum	0.362	563	1,700	537	1,621	554	1,673	37	90	80.9	237	10.70	32.3

The Applebrook pump was turned on on June 5, 2024. Table 3 represents the water quality data of the flow pumped to Applebrook Golf Course in June 2024.

Table 3

JUNE 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
	40				45								
June 4, 2024	NO DISCHARGE												
June 11, 2024	0.0301	2.0	0.50	7.00	1.76	4.2	1.05	0.10	0.03	0.10	0.03	1	0.0000
June 18, 2024	0.0317	2.0	0.53	8.90	2.35	5.8	1.53	0.10	0.03	0.10	0.03	1	0.0000
June 25, 2024	0.0309	2.0	0.52	8.35	2.15	4.0	1.03	0.10	0.03	0.14	0.04	5	0.6990
Average	0.0309	2.0	0.52	8.08	2.09	4.7	1.2	0.10	0.03	0.11	0.03	2	0.2330
Minimum	0.0301	2.0	0.50	7.00	1.76	4.0	1.0	0.10	0.03	0.10	0.03	1	0.0000
Maximum	0.0317	2.0	0.53	8.90	2.35	5.8	1.5	0.10	0.03	0.14	0.04	5	0.6990

PA DEP

No activity



## Pennoni Associates

The UV system replacement project continues.

### Significant Rainfall

During June, there were thirteen (13) days when rainfall occurred.

Two (2) events exceeded 0.50 inches of rain in 24 hours:

6/6/24: 0.90"

6/30/24: 0.66"

Total Rainfall for June was 1.93 inches

### Chemical Data

June 2024		
Chemical	Daily Average	Total Monthly
Caustic Soda, gal	51.10	1,533
Aluminum Sulfate solution, gal	70.5	2,115
Sludge Dewatering, gal*	22,961	436,266

\*19 days of sludge dewatering

There was a decrease of 85,611 gallons of sludge dewatering during June compared to May.

### 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

-UV shrouds and rack securement brackets installed

-UV jib crane installed

-second UV light rack placed in the channel

### Upcoming Repairs or Upgrades

- SHT Blower anti-vibration pad replacement
- New UV system to be 100% completed

### Flow Data

June 2024			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building	10.070	335,670	395,590
Influent Wastewater to SBRs	11.644	388,124	463,568
Internal Recycle	1.574	52,454	84,350
Treated Effluent to Disc Filters	11.339	377,978	475,712
Final Effluent Discharge	7.754	258,000	364,000
Applebrook Golf Course	0.801	27,638	39,248

*The plant hydraulic design loading is 745,000 gpd.*

There were no high-flow events during June.

DRAFT  
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
June 10, 2024

The East Goshen Township Municipal Authority held their regular meeting on Monday, June 10, 2024 at 7:00 pm. at the Township Building.

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

- Dana Pizarro, Chairman
- Walter Wujcik, Vice Chairman**
- Jack Yahraes**
- Carmen Battavio
- Kevin Cummings**

Also in attendance were: Mark Miller (Director of Public Works), Michele Truitt (Supervisor) Dave Ware (Finance Director), Patrick McKenna (Attorney) and Scott Towler via phone.

**COMMON ACRONYMS:**

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

**Call to Order & Pledge of Allegiance**

Walter called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. Walter asked for a moment of silence for our troops and first responders. Walter asked if anyone would be recording the meeting. There was no response.

**New Business**

1. Hershey’s Mill Village - Ed McFalls and Dan Dailey (engineer) were here to represent the Green Hill Sewer Association, which is the sewer treatment plant for Hershey’s Mill. Scott Towler, Ridley Creek Plant operator, was present by phone. Ed commented that several times they have had seeps near the garden and found it was ground water. This year it was treated water from the lagoon. They had a company come to check it out. The estimate to pump it out is \$235,000. They are asking if they can connect to East Goshen to pump down their lagoon which would cut some of the cost. They also spray the water to the golf course. Dan mentioned that they are getting other options and pricing. He mentioned the locations of several manholes. He feels Wineberry may be the best option. Ed commented that the seep is between the old and new lagoons. They process 230Kgal/day. They have used a bacteria treatment which is cutting the amount of sludge. Scott voiced his concerns. He suggested pumping this water at night. Maps of the area were reviewed and discussed. Patrick spoke about easements.

1 Dan discussed timing for the project depending on the option they select. He hasn't done the  
2 engineering yet. They just wanted to present the issue and see what the Municipal Authority could  
3 do. Permits will be needed. The MA members would like to help.

4  
5 **Chairman's Report/Other Members Report**

6 Michele reported that she attended the West Goshen meeting. July 3 is their next meeting. She  
7 commented that we should pick three dates for a tour, and they prefer the end of the summer. Flow is  
8 going through the Westtown Pump Station. The contractor they used was not efficient and has had  
9 several fines against him. They have a punch list with 26 items remaining. The pumps are making an  
10 unusual noise. They were delivered a year ago and weren't used until now. They only have a one  
11 year warranty. A vendor to inspect the pumps will cost about \$16,000. The MA members thanked  
12 Michele for attending the meeting. She will not be able to go to the July 3 meeting.

13  
14  
15 **SEWER REPORTS**

16  
17 **1. Director of Public Works, Mark Miller's report for June 10, 2024.**

18  
19  
20 **Monthly Flows** – The average daily flow to West Goshen was 869,105 gallons per day.

21  
22 **Meters:** The meters were read on a daily basis.

23 • Allied Control was out to calibrate all the meters with no problems to report. I reached out  
24 to Paul Mamsic to get his expert opinion to see if the meters need to be replaced. Paul was going to  
25 speak with his technician after the latest calibrations.

26 • I also asked about installing a temporary meter above the current meter. This can be and  
27 will be done once we receive the proper pipe band.

28  
29 **C.C. Collection:**

- 30 • All pump stations were visited on a daily basis.  
31 • Wet wells were hosed down along with routine maintenance.  
32 • We did not have any problems during the month.  
33 • We utilized Mike Patterson to make building repairs to the Ashbridge pump station.

34  
35 **C.C. Interceptor:**

- 36 • Nothing to report.

37  
38 **R.C. Collection:**

- 39 • The pump stations were visited on a daily basis  
40 • Wet wells were hosed down.  
41 • Oil and fuel levels were checked.

42  
43 **Ridley Creek Plant**

- 44 • Public Works wrapped up the hose and equipment from the UV work.  
45 • We straightened up the entire plant before the insurance carrier came for their inspection.  
46 The inspector was impressed with everything she saw.

- 1           • The UV company kind of threw a wrench into the project by requiring some additional  
2 brackets which will result in additional work.  
3  
4

5 **Alarms:** 17 (all power outages)  
6

7 **PA 1 Calls:** 109  
8

9 **Monthly Rainfall:** 3.05”  
10

11 **Lateral Repairs or Caps:** 5 (caps only)  
12  
13

14 **2. Pennoni Engineer’s Report dated June 10, 2024**  
15

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

- 17           • **Caustic Soda Conversion** – We were informed by Mark Miller that the tank’s outside  
18 insulation is again pulling away from the tank in some locations. We contacted the supplier,  
19 Pyrz, to alert them of this issue on April 5. Pyrz has been in contact with the RCSTP operator  
20 to schedule the tank repairs.

21           The outdoor emergency shower was installed. On April 11, the tank was filled and put into  
22 operation. We provided chemical feed pump rates to the operator for system startup. The  
23 chemical feed pump and injection point fittings began to leak. The fittings have since been  
24 tightened and are currently not leaking.

25           We previously prepared a draft O&M Manual for the system that was submitted to the  
26 Township and operator for review. We will set up a meeting to review once the system is  
27 ready for operation so that the Manual can be finalized.

28           **UV Disinfection System** – To remedy the open strip that allows UV light to escape and to  
29 account for Glasco’s latest design, Glasco has fabricated a shroud and vertical guides at no  
30 extra cost. The shrouds and vertical guides were delivered to the plant on May 23. We  
31 contacted Glasco on May 23 to ensure that it was required to install the vertical guides, as  
32 installation of the guides will require the channel to be drained and the plant shut down. On  
33 May 29, Glasco confirmed that the vertical guides must be installed to keep the UV modules  
34 in place and allow them to be safely removed from the channel. Mark Miller has been in  
35 contact with the contractor, Zimmerman, and tentatively plan to install the second UV  
36 module, shroud, and guides overnight the week of June 10. Lenni will be scheduled thereafter  
37 to install the control panel in its permanent location on a follow-up night.

38           The jib crane is expected to be install around that same also. The temporary system will then  
39 be fully disassembled, and the temporary channel will be returned to Glasco.

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

- 41           ○ *Delivery of Permanent UV Equipment – October 30, 2023*  
42           ○ *Delivery of Bypass Pumps and Hoses – Week of November 13, 2023*  
43           ○ *Initiate Temporary Bypass Work – Mid-November 2023*

- 1           ○ *Complete Temporary Bypass Work and Initiate Use of Bypass System – January 23, 2024*
- 2           ○ *Two Week Trial and Sampling of Temporary Bypass System – completed February 9, 2024*
- 3           ○ *Township to Perform Concrete Channel Work – completed late-March 2024 (end of initial*
- 4            *curing)*
- 5           ○ *2nd Notice to Proceed to Contractors: Permanent Work – Mid-March 2024*
- 6           ○ *Redirect Flow back to Permanent Channel (±30 days of 2nd NTP) – April 24, 2024*
- 7           ○ *Two Week Trial of New UV System in Permanent Channel – April 24 – May 8, 2024*
- 8           ○ *Install Second UV Module into Permanent Channel – June 14, 2024*
- 9           ○ *Two Week Trial of Second New UV System in Permanent Channel – June 14 – June 28, 2024*
- 10          ○ *Construction Completed –Early-Mid July 2024*

11          • **Generator #2 Replacement** – Public Works has constructed the concrete pad expansion for  
12          the generator, and the generator was delivered to the RCSTP on April 8. It is our  
13          understanding that electrical work and setting of the generator on the concrete pad is being  
14          scheduled with Lenni.

15          • **Electrical Surge Evaluation** – The Municipal Authority asked at the last meeting that the  
16          electric supply into the plant be evaluated. We recommend that a data logger be installed on  
17          the PECO main supply line into the plant. We spoke with Lenni Electric, who concurs with  
18          this recommendation, but has not previously installed data loggers before. Lenni and Pennoni  
19          are both looking into other parties to install a data logger and to obtain quotes.

## 20          **Sanitary Sewer Pipe Rehab**

21          • **Chester Creek Sewer Rehab** – The Contractor, Insituform, has completed all work. We  
22          received the pre and post videos of the pipe relining work on May 8. The post video showed  
23          that the lateral reinstatements along MH C027-C026 were not brushed. The Contractor  
24          returned to the site and performed the lateral brushing work on May 20. The Contractor still  
25          needs to provide the final payment application, closeout documents, and prevailing wage  
26          certifications.

27          We also processed the Contractor’s fourth payment application and provided a  
28          recommendation letter on May 29.

29          • **Supplee Valley Pipe Lining** – The next sewer rehabilitation project is planned to be  
30          installation of cured-in-place pipe liners in the remaining un-lined sewers in Supplee Valley.  
31          The sewers have been televised. Public Works will provide the videos to Pennoni for review,  
32          and we will then prepare a bid document. The goal is to construct this work by the end of  
33          2024.

## 34          **New Connections**

35          • **Millstone Meadows (1010 Hershey Mill Road)** – The Chester County Conservation District  
36          questioned portions of the proposed sanitary sewer main routing in their review of the project  
37          plans to avoid proposed stormwater features. We are coordinating with the design consultant  
38          to revise accordingly to the extent feasible.

39          • **301 Reservoir Road (5-Lot Residential Subdivision)** – We received a revised Land  
40          Development Plan submission and provided our comment letter on May 14.

- 1 • 1712 E. Boot Road – No activity by Pennoni since our last report. The service piping was  
2 previously installed, but we are not aware that the grinder pump has been installed.
- 3 • 14 Reservoir Road – PADEP provided comments on the Sewage Facilities Planning Mailer  
4 submission, and we provided responses to the design consultant.

### 5 6 7 **3. Big Fish Environmental Services –**

8 The Ridley Creek sewage treatment plant outfall 001 met all effluent limitations regarding water  
9 quality for May 2024. All supplemental reports were submitted for the May 2024. Chemical usage  
10 utilized for total alkalinity has changed compared to previous months because we have now entirely  
11 switched from dry powdered soda ash to liquid caustic soda. Aluminum sulfate solution volumes  
12 decreased to a daily average of 74.8 gpd from the previous standard of 84.7 gallons per day. No  
13 significant mechanical or operational issues were observed during the sludge dewatering equipment  
14 or SBR treatment process. Sludge dewatering experienced no mechanical issues impacting  
15 production. There were no odor complaints during the month.

#### 16 17 **Approval of Minutes**

18 The minutes of the May 13, 2024 meeting were approved as amended.

#### 19 20 **Approval of Invoices**

- 21 1. Jack moved to approve payment of the Maillie paid invoice #106389 in the amount of \$3,750.00.  
22 Kevin seconded the motion. The motion passed unanimously.  
23 Dave mentioned that the Maillie rep will be at the July meeting.

#### 24 25 **Liaison Reports**

- 26 1. Board of Supervisors - Michele reported that at their last meeting they discussed the possible  
27 sewer rate increase. East Goshen Park will need running water in the fountains. Their meetings this  
28 summer are June 18, July 16 and August 20.
- 29 2. Conservancy Board - Walter reported that they are looking to partner with other conservancies to  
30 monitor the streams.

#### 31 32 **Financial Reports**

33 Dave Ware provided the following report:

34 Year to date May 2024, the Municipal Authority recorded \$273,107.82 in revenues (primarily from  
35 Sewer Capital Reserve and Sewer Operating transfers) and \$268,465.58 in expenses (RCSTP UV  
36 replacement capital costs, Flygt pump, Chester Creek Interceptor work by Insituform Technologies,  
37 engineering and audit expenses). The net result of operations is \$4,642.24. As of May 31, 2024, the  
38 fund balance was \$12,204.40.

#### 39 40 41 **Old Business**

- 42 1. Approval of Payment Application #4 - The contractor, Insituform Technologies, LLC, has  
43 submitted the fourth invoice for work completed for the Chester Creek Interceptor. Mike Ellis  
44 verified that the described work has been completed. Dave mentioned that he is looking into possible  
45 grants. Kevin made a motion to pay the amount of \$117,677. as indicated on Payment Application  
46 #4. Jack seconded the motion. The motion passed unanimously.

1  
2 2. Westtown Way Pump Station - The MA members selected the September 9, 2024 meeting at 5:00  
3 pm to do the tour. The Pump Station will be first then the West Goshen Plant.  
4

5  
6 **Goals** – The goals were reviewed.  
7

8  
9 **Any Other Matter** -

10 1. PUC Fine – The PUC PA One Call fine and Brubacher letter of response in support of East Goshen  
11 Township were reviewed. Mark will follow up on this.  
12

13 **Correspondence**- None  
14

15 **Public Comment** - None  
16

17 **Adjournment**

18 There being no further business Jack moved to adjourn the meeting. Kevin seconded the motion. The  
19 motion passed unanimously. The meeting was adjourned at 8:40 pm.

20 Due to the holiday and scheduled vacations, the next regular meeting will be held on Monday, July  
21 15, 2024 at 7:00 pm.  
22

23 Respectfully submitted,  
24

25

26 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 : 1229134  
Invoice Date : 06/26/2024  
Project : EGMAU20004  
Project Name : RCSTP Caustic Soda  
Conversion

**For Services Rendered Through 06/16/2024**

Prepared record plan of as-built tank, chemical feed pumps, and piping; and submitted record plan with equipment specifications to PADEP for their records. Coordinated with operator on resolution of leaks at pipe fittings.

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	\$2,868.50		\$3,463.50	\$595.00
<b>Total :</b>	<b>\$31,900.00</b>	<b>\$29,368.50</b>		<b>\$29,963.50</b>	<b>\$595.00</b>

**Phase: 02 -- Construction Phase Services**

**Labor**

Class	Hours	Rate	Amount
Authority Engineer	0.75	153.00	114.75
Associate Professional	4.25	113.00	480.25

**Labor**


-----  
595.00

**Phase Subtotal**

-----  
**\$595.00**

**Amount Due This Invoice**

-----  
**\$595.00**

APPROVED BY:   
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-429-120

RCSTP Caustic Soda Conversion  
EGMAU20004 Invoice Summary  
Invoice Date 06/26/2024

**Project:** EGMAU20004  
**Pennoni Job No.:** RCSTP Caustic Soda Conversion  
**Invoice No:** 1229134  
**Invoice Period:** 4/14/2024 to 6/16/2024  
**Initial Authorization:** \$ 31,900.00 **Date:** 6/26/2024  
**Contract Amount:** \$ 31,900.00  
**Previously Invoiced:** \$ 29,368.50  
**Current Invoice:** \$ 595.00  
**Invoiced to Date (\$):** \$ 29,963.50  
**Invoiced to Date (%):** 94%  
**Remaining Budget (\$):** \$ 1,936.50  
**Remaining Budget (%):** 6%

**Budget by Phase:**

**Phase Name:** RCSTP Caustic Soda Conversion  
**Phase Budget:** \$ 31,900.00  
**Previously Invoiced:** \$ 29,368.50  
**Current Invoice:** \$ 595.00  
**Invoiced to Date (\$):** \$ 29,963.50  
**Invoiced to Date (%):** 94%  
**Remaining Budget (\$):** \$ 1,936.50  
**Remaining Budget (%):** 6%

**Comments:** Prepared record plan of as-built tank, chemical feed pumps, and piping; and submitted record plan with equipment specifications to PADEP for their records. Coordinated with operator on resolution of leaks at pipe fittings.



# 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 : 1229135  
Invoice Date : 06/26/2024  
Project : EGMAU22004  
Project Name : RCSTP UV  
Replacement

For Services Rendered Through 06/16/2024

Continued coordination for installation scope and schedule of 2nd permanent module, shroud, and steel channels with Township, operator, contractor, and supplier; and reviewed contractor's certified payrolls.

Phase	02	Construction Phase Services		
Labor				
		Hours	Rate	Amount
Authority Engineer		1.00	153.00	153.00
Associate Professional		4.75	113.00	536.75
Totals		5.75		689.75
<b>Total Labor</b>				<b>689.75</b>

Billing Limits	Current	Prior	To-Date
Total Billings	689.75	14,656.75	15,346.50
Limit			16,000.00
Remaining			653.50
<b>Total this Phase</b>			<b>\$689.75</b>

**Total this Invoice** \$689.75

*-226.00*  
463.75

### Outstanding Invoices

Number	Date	Balance
1221070	4/30/2024	-226.00
<b>Total</b>		<b>-226.00</b>

APPROVED BY: [Signature] 6/28/24  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-429-150

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 06/26/2024

<b>Project:</b>	EGMAU22004		
<b>Pennoni Job No.:</b>	RCSTP UV Replacement		
<b>Invoice No:</b>	1229135		
<b>Invoice Period:</b>	4/14/2024	to	6/16/2024
<b>Initial Authorization:</b>	\$ 30,000.00	<b>Date:</b>	6/26/2024
<b>Contract Amount:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 58,552.50		
<b>Current Invoice:</b>	\$ 689.75		
<b>Invoiced to Date (\$):</b>	\$ 59,242.25		
<b>Invoiced to Date (%):</b>	99%		
<b>Remaining Budget (\$):</b>	\$ 757.75		
<b>Remaining Budget (%):</b>	1%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP UV Replacement		
<b>Phase Budget:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 58,552.50		
<b>Current Invoice:</b>	\$ 689.75		
<b>Invoiced to Date (\$):</b>	\$ 59,242.25		
<b>Invoiced to Date (%):</b>	99%		
<b>Remaining Budget (\$):</b>	\$ 757.75		
<b>Remaining Budget (%):</b>	1%		

**Comments:** Continued coordination for installation scope and schedule of 2nd permanent module, shroud, and steel channels with Township, operator, contractor, and supplier; and reviewed contractor's certified payrolls.

## Dana Gieder

---

**From:** Julian Coppertino <JCoppertino@Pennoni.com>  
**Sent:** Monday, July 1, 2024 9:59 AM  
**To:** Dana Gieder  
**Subject:** RE: EGMAU June Invoices  
**Attachments:** EGMAU22004 Invoice#1221070 April 2024 (revised).pdf

Hello, please see attached for requested invoice copy.

I believe the version we sent you in April had the wrong total on it, and because that was paid, you now have a credit of \$226.00. Please let us know if you would like to apply the credit towards the current invoice#1229135.

Best regards,

## Julian Coppertino

### Pennoni

515 Grove Street, Suite 1B | Haddon Heights, NJ 08035  
Direct: +1 856-656-2941  
[www.pennoni.com](http://www.pennoni.com) | [JCoppertino@Pennoni.com](mailto:JCoppertino@Pennoni.com)

**From:** Dana Gieder <[dgieder@eastgoshen.org](mailto:dgieder@eastgoshen.org)>  
**Sent:** Friday, June 28, 2024 11:47 AM  
**To:** Julian Coppertino <JCoppertino@Pennoni.com>  
**Subject:** RE: EGMAU June Invoices

Hi Julian,

Can you send me inv # 1221070 on inv #1229135 it shows an outstanding balance of \$-226.00 do we have a credit from that invoice?

Thank you,

### Dana Gieder

Staff Accountant/Accounts Payable  
East Goshen Township  
[dgieder@eastgoshen.org](mailto:dgieder@eastgoshen.org)  
610-692-7171

**From:** Julian Coppertino <[JCoppertino@Pennoni.com](mailto:JCoppertino@Pennoni.com)>  
**Sent:** Friday, June 28, 2024 8:19 AM  
**To:** David Ware <[dware@eastgoshen.org](mailto:dware@eastgoshen.org)>; Mark Miller <[mmiller@eastgoshen.org](mailto:mmiller@eastgoshen.org)>; Lynn Werkheiser <[lwerkheiser@eastgoshen.org](mailto:lwerkheiser@eastgoshen.org)>; Dana Gieder <[dgieder@eastgoshen.org](mailto:dgieder@eastgoshen.org)>  
**Cc:** Michael Ellis <[MEllis@Pennoni.com](mailto:MEllis@Pennoni.com)>; Derek Davis <[ddavis@eastgoshen.org](mailto:ddavis@eastgoshen.org)>  
**Subject:** RE: EGMAU June Invoices

Hello, please see the attached for EGMAU June 2024 Invoices, which covers the period through 06/16/2024. If you have any questions, please let me know. Thank you.

## Julian Coppertino

### Pennoni

515 Grove Street, Suite 1B | Haddon Heights, NJ 08035

Direct: +1 856-656-2941

[www.pennoni.com](http://www.pennoni.com) | [JCoppertino@Pennoni.com](mailto:JCoppertino@Pennoni.com)

From: Julian Coppertino

Sent: Tuesday, April 30, 2024 9:37 AM

To: [dware@eastgoshen.org](mailto:dware@eastgoshen.org); [mmiller@eastgoshen.org](mailto:mmiller@eastgoshen.org); Lynn Werkheiser <[lwerkheiser@eastgoshen.org](mailto:lwerkheiser@eastgoshen.org)>; [dgieder@eastgoshen.org](mailto:dgieder@eastgoshen.org)

Cc: Michael Ellis <[MEllis@Pennoni.com](mailto:MEllis@Pennoni.com)>; Derek Davis <[ddavis@eastgoshen.org](mailto:ddavis@eastgoshen.org)>

Subject: EGMAU April Invoices

Hello, please see the attached for EGMAU April 2024 Invoices. If you have any questions, please let me know. Thank you.

## Julian Coppertino

### Pennoni

515 Grove Street, Suite 1B | Haddon Heights, NJ 08035

Direct: +1 856-656-2941

[www.pennoni.com](http://www.pennoni.com) | [JCoppertino@Pennoni.com](mailto:JCoppertino@Pennoni.com)



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# 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 : 1221070  
Invoice Date : 04/30/2024  
Project : EGMAU22004  
Project Name : RCSTP UV  
Replacement

For Services Rendered Through 04/14/2024

Construction Phase Services: Prepared structural design and sketch for jib crane mounting to partially grouted walls; coordinated with Glasco for missing equipment (eye screens and cabling) and for shrouds around modules; responded to contractor questions on permanent module installations; coordinated for permanent module startup; and consultation with Public Works on as-built channel adjustments to address vendor requests.

Phase	02	Construction Phase Services		
Labor				
		Hours	Rate	Amount
Authority Engineer		2.00	153.00	306.00
Senior Professional		2.25	148.00	333.00
Associate Professional		6.25	113.00	706.25
Totals		10.50		1,345.25
Total Labor				1,345.25
Billing Limits				
Total Billings		Current	Prior	To-Date
Limit		1,345.25	13,311.50	14,656.75
Remaining				16,000.00
				1,343.25

Total this Phase \$1,345.25

Total this Invoice \$1,345.25

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: \_\_\_\_\_

*4/18/24*  
*Original Invoice*  
*was for*  
*1,571.25*

*51-2261-*  
*credit*

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 04/30/2024

<b>Project:</b>	EGMAU22004		
<b>Pennoni Job No.:</b>	RCSTP UV Replacement		
<b>Invoice No:</b>	1221070		
<b>Invoice Period:</b>	2/13/2024	to	4/14/2024
<b>Initial Authorization:</b>	\$ 30,000.00	<b>Date:</b>	4/30/2024
<b>Contract Amount:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 57,207.25		
<b>Current Invoice:</b>	\$ 1,345.25		
<b>Invoiced to Date (\$):</b>	\$ 58,552.50		
<b>Invoiced to Date (%):</b>	98%		
<b>Remaining Budget (\$):</b>	\$ 1,447.50		
<b>Remaining Budget (%):</b>	2%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP UV Replacement		
<b>Phase Budget:</b>	\$ 60,000.00		
<b>Previously Invoiced:</b>	\$ 57,207.25		
<b>Current Invoice:</b>	\$ 1,345.25		
<b>Invoiced to Date (\$):</b>	\$ 58,552.50		
<b>Invoiced to Date (%):</b>	98%		
<b>Remaining Budget (\$):</b>	\$ 1,447.50		
<b>Remaining Budget (%):</b>	2%		

**Comments:** Construction Phase Services: Processed Pay Application #2 from Lenni Electric and Pay Application #1 from Zimmerman Mechanical, reviewed prevailing wage certifications, updates on concrete channel raising by PW Department, and initiated structural design for jib crane mounting to partially grouted walls.  
Invoice period is from 2/12/2024 through 3/17/2024. Effort in 2023 is invoiced at 2023 hourly rates. Effort in 2024 is invoiced at 2024 hourly rates.





# 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 : 1229136  
Invoice Date : 06/26/2024  
Project : EGMAU23003  
Project Name : Chester Creek  
Interceptor Rehab  
Phase 1

---

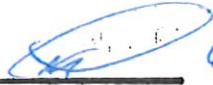
**For Services Rendered Through 06/16/2024**

Construction phase services: Lateral leak location identification and repair scoping, coordination for Manhole C027-C026 cured-in-place pipe lining, and inspection of the pipe lining.

Billing Limits	Current	Prior	To-Date
Total Billings	1,412.50	10,549.25	11,961.75
Limit			12,000.00
Remaining			38.25

**Labor**

	Hours	Rate	Amount
Associate Professional	12.50	113.00	1,412.50
Totals	12.50		1,412.50
<b>Total Labor</b>			<b>1,412.50</b>
<b>Total this Invoice</b>			<b><u><u>\$1,412.50</u></u></b>

APPROVED BY:  6/28/24  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: ~~07-424-3700~~

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

---

Chester Creek Interceptor Rehab Phase 1  
EGMAU23003 Invoice Summary Invoice  
Date 06/26/2024

<b>Project:</b>	EGMAU23003		
<b>Pennoni Job No.:</b>	Chester Creek Interceptor Rehab Phase 1		
<b>Invoice No:</b>	1229136		
<b>Invoice Period:</b>	3/17/2024	to	6/16/2024
<b>Initial Authorization:</b>	\$ 12,000.00	<b>Date:</b>	6/26/2024
<b>Contract Amount:</b>	\$ 12,000.00		
<b>Previously Invoiced:</b>	\$ 10,549.25		
<b>Current Invoice:</b>	\$ 1,412.50		
<b>Invoiced to Date (\$):</b>	\$ 11,961.75		
<b>Invoiced to Date (%):</b>	100%		
<b>Remaining Budget (\$):</b>	\$ 38.25		
<b>Remaining Budget (%):</b>	0%		

**Budget by Phase:**

<b>Phase Name:</b>	Chester Creek Interceptor Rehab Phase 1		
<b>Phase Budget:</b>	\$ 12,000.00		
<b>Previously Invoiced:</b>	\$ 10,549.25		
<b>Current Invoice:</b>	\$ 1,412.50		
<b>Invoiced to Date (\$):</b>	\$ 11,961.75		
<b>Invoiced to Date (%):</b>	100%		
<b>Remaining Budget (\$):</b>	\$ 38.25		
<b>Remaining Budget (%):</b>	0%		

**Comments:** Construction phase services: Lateral leak location identification and repair scoping, coordination for Manhole C027-C026 cured-inplace pipe lining, and inspection of the pipe lining.



# 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 : 1229137  
Invoice Date : 06/26/2024  
Project : EGMAU24001  
Project Name : 2024 General  
Services

**For Services Rendered Through 06/16/2024**

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.

Billing Limits	Current	Prior	To-Date
Total Billings	5,109.75	7,149.75	12,259.50
Limit			42,000.00
Remaining			29,740.50

APPROVED BY: [Signature] 6/28/24  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-924-3180

**Labor**

	Hours	Rate	Amount
Township Engineer	1.00	153.00	153.00
Authority Engineer	10.75	153.00	1,644.75
Senior Professional	1.00	148.00	148.00
Associate Professional	28.00	113.00	3,164.00
Totals	40.75		5,109.75
<b>Total Labor</b>			<b>5,109.75</b>

**Total this Invoice** \$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 06/26/2024

<b>Project:</b>	EGMAU24001		
<b>Pennoni Job No.:</b>	2024 General Services		
<b>Invoice No:</b>	1229137		
<b>Invoice Period:</b>	4/14/2024	to	6/16/2024
<b>Initial Authorization:</b>	\$ 42,000.00	<b>Date:</b>	6/26/2024
<b>Contract Amount:</b>	\$ 42,000.00		
<b>Previously Invoiced:</b>	\$ 7,149.75		
<b>Current Invoice:</b>	\$ 5,109.75		
<b>Invoiced to Date (\$):</b>	\$ 12,259.50		
<b>Invoiced to Date (%):</b>	29%		
<b>Remaining Budget (\$):</b>	\$ 29,740.50		
<b>Remaining Budget (%):</b>	71%		

**Budget by Phase:**

<b>Phase Name:</b>	2024 General Services		
<b>Phase Budget:</b>	\$ 42,000.00		
<b>Previously Invoiced:</b>	\$ 7,149.75		
<b>Current Invoice:</b>	\$ 5,109.75		
<b>Invoiced to Date (\$):</b>	\$ 12,259.50		
<b>Invoiced to Date (%):</b>	29%		
<b>Remaining Budget (\$):</b>	\$ 29,740.50		
<b>Remaining Budget (%):</b>	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 10, 2024

EGMAU22004

**East Goshen Municipal Authority**

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

**RE: Payment Application #2 Recommendation Letter  
RCSTP UV Disinfection System Replacement, Contract No. RCSTP-2023-01 (General Contract)**

Dear Mr. Miller:

The Contractor, Zimmerman Environmental, has submitted the second invoice for work completed for the subject project. We have observed the temporary and permanent general contract work-in-progress, including breakdown of the temporary UV system, installation of the permanent UV system and controls, and installation of the jib crane, and we confirm that the described work has been completed.

We have reviewed the attached Payment Application #2 provided by the Contractor, and we recommend payment in the amount of \$52,769.70. Overall, the contract is about 97% complete.

The certified payrolls for the first three weeks of construction are also attached.

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

Sincerely,

**PENNONI ASSOCIATES INC.**

A handwritten signature in blue ink, appearing to read "MJ Ellis", is positioned above the typed name.

Michael J. Ellis, PE  
Associate Vice President

/ela

Enclosures: Application and Certification for Payment #2  
Certified Payrolls (Weeks 1-3)

cc: Dave Ware, Township Finance Director  
Derek Davis, Township Manager  
Lynn Werkheiser, Township Public Works  
Jeff Zimmerman, Zimmerman Environmental

**Contractor's Application for Payment**

Owner:	<u>East Goshen Municipal Authority</u>	Owner's Project No.:	<u>RCSTP-2023-01</u>
Engineer:	<u>Pennon Associates Inc</u>	Engineer's Project No.:	<u></u>
Contractor:	<u>Zimmerman Environmental</u>	Contractor's Project No.:	<u></u>
Project:	<u>Ridley Creek Sewage Treatment Plant UV Disinfection System Replacement</u>		
Contract:	<u>General Construction</u>		
Application No.:	<u>2</u>	Application Date:	<u>6/25/2024</u>
Application Period:	From <u>10/1/2024</u>	to	<u>6/25/2024</u>

1. Original Contract Price	\$	90,997.00
2. Net change by Change Orders	\$	-
3. Current Contract Price (Line 1 + Line 2)	\$	90,997.00
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	\$	88,372.08
5. Retainage		
a. <u>5%</u> X \$ <u>88,372.08</u> Work Completed	\$	4,418.60
b. <u></u> X \$ <u>-</u> Stored Materials	\$	-
c. Total Retainage (Line 5.a + Line 5.b)	\$	4,418.60
6. Amount eligible to date (Line 4 - Line 5.c)	\$	83,953.48
7. Less previous payments (Line 6 from prior application)	\$	31,183.78
8. Amount due this application	\$	52,769.70
9. Balance to finish, including retainage (Line 3 - Line 4 + Line 5c)	\$	7,043.52

**Contractor's Certification**  
 The undersigned Contractor certifies, to the best of its knowledge, the following:  
 (1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;  
 (2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and  
 (3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Zimmerman Environmental  
 Signature: [Signature] Date: 6/25/2024

Recommended by Engineer	Approved by Owner
By: <u>[Signature]</u>	By: <u></u>
Title: <u>Associate Vice President</u>	Title: <u></u>
Date: <u>July 10, 2024</u>	Date: <u></u>
Approved by Funding Agency	
By: <u></u>	By: <u></u>
Title: <u></u>	Title: <u></u>
Date: <u></u>	Date: <u></u>

APPROVED BY: [Signature]  
 DATE PAID:   
 CHECK #:   
 CHARGED TO: 07-429-1505  
 UV



July 10, 2024

EGMAU22004

**East Goshen Municipal Authority**

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

**RE: Payment Application #3 Recommendation Letter  
RCSTP UV Disinfection System Replacement, Contract No. RCSTP-2023-02 (Electrical Contract)**

Dear Mr. Miller:

The Contractor, Lenni Electric Corporation, has submitted the third invoice for work completed for the subject project. We have observed the temporary and permanent electrical work-in-progress, including installation and breakdown of temporary power and control wiring for the temporary UV system, installation of the BCC/SCC to its permanent position, interconnecting the effluent flow meter to the BCC/SCC, and installation of the electrical components for the crane hoist, and we confirm that the described work has been completed.

We have reviewed the attached Payment Application #3 provided by the Contractor, and we recommend payment in the amount of \$10,110.42. Overall, the contract is about 95% complete.

The certified payrolls for weeks 1 through 30 of construction are also attached.

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

Sincerely,

**PENNONI ASSOCIATES INC.**

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

Michael J. Ellis, PE  
Associate Vice President

/ela

Enclosures: Application and Certification for Payment #3  
Project Quantities Summary Report  
Certified Payrolls (Weeks 1-30)

cc: Dave Ware, Township Finance Director  
Derek Davls, Township Manager  
Lynn Werkheiser, Township Public Works  
Scott Welsh, Lenni Electric  
Lorraine Bizzarro, Lenni Electric

**APPLICATION FOR PAYMENT NO.**

Job #22335

3

PERIOD TO: 06/30/24

PROJECT NO.: RCSTP-2023-02

TO (OWNER): East Goshen Municipal Authority

CONTRACT DATE: 04/27/22

FROM (CONTRACTOR): Lenni Electric Corporation, 1020 Andrew Drive, West Chester, PA 19380

CONTRACT FOR: Ridley Creek STP UV Disinfection System Replacement


PAGE 1 OF 2

CHANGE ORDER SUMMARY	ADDITIONS	DELETIONS
Change Orders approved in previous months by Owner		
TOTAL		
Approved this Month		
Date Approved		
Net change by Change Orders		
TOTALS		

1. ORIGINAL CONTRACT SUM \$ 21534.00
2. Net change by Change Orders \$
3. CONTRACT SUM TO DATE (Line 1±2) \$ 21534.00
4. TOTAL COMPLETED TO DATE \$ 19942.80  
(Columns B+C on Page 2)
5. RETAINAGE: % of Completed Work \$ 1994.28
6. TOTAL EARNED LESS RETAINAGE \$ 17948.52  
(Line 4 less Line 5)
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Application) \$ 7838.10
8. CURRENT AMOUNT DUE \$ 10110.42
9. BALANCE TO FINISH, PLUS RETAINAGE \$ 3585.48  
(Line 3 less Line 6)

**CONTRACTOR'S CERTIFICATION:**

The undersigned Contractor certifies that (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied to discharge in full all obligations of Contractor incurred in connection with Work covered by prior Applications for Payment numbered 1 through \_ inclusive and that such payments have been made in compliance with the Pennsylvania Prompt Pay Act, Act 142 of 1994; (2) title to all materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment, free and clear of all liens, claims, security interests and encumbrances (except such as covered by Bond acceptable to Owner indemnifying Owner against any such lien, claim, security interest, or encumbrance); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective, as that term is defined in the Contract Documents.


APPROVED BY:  7/11/24  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07-429-1505  
 UV

Payment of the above CURRENT AMOUNT DUE is recommended.

Dated July 10, 2024

Dated June 26, 2024

By  Pennoni Associates  
 ENGINEER  
 (Authorized Signature)

By  Lenni Electric Corporation  
 CONTRACTOR  
 (Authorized Signature)

Commonwealth of Pennsylvania - Notary Seal  
 Anne M. Pence, Notary Public  
 Chester County  
 My commission expires May 9, 2028  
 Commission number 1269340  
 Member, Pennsylvania Association of Notaries

Sworn to and subscribed before me  
 this 10th day of June 2024



LENNI ELECTRIC CORPORATION  
 1020 ANDREW DRIVE  
 WEST CHESTER, PA. 19380

JOB # 22335  
 Chester County  
 Ridley Creek STP UV

APPLICATION NUMBER: 3  
 APPLICATION DATE: 6/30/2024  
 PERIOD TO: 6/30/2024  
 ARCHITECT'S PROJECT NO:

ITEM #	DESCRIPTION OF WORK	SCHEDULED VALUE	WORK COMPLETED		PRESENTLY STORED MATERIAL	TOTAL TO DATE	% COMPLETE	BALANCE TO FINISH	RETAINAGE
			PREVIOUS	CURRENT					
1	Temporary Electrical Work	\$5,622.00	\$3,935.40	\$1,686.60	\$0.00	\$5,622.00	100.00%	\$0.00	\$562.20
2	Permanent Electrical Work	\$15,912.00	\$4,773.60	\$9,547.20	\$0.00	\$14,320.80	90.00%	\$1,591.20	\$1,432.08
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	\$0.00	\$0.00
		\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	#DIV/0!	\$0.00	\$0.00
TOTALS		\$21,534.00	\$8,709.00	\$11,233.80	\$0.00	\$19,942.80	92.61%	\$1,591.20	\$1,994.28



July 12, 2024

EGMAU23003

**East Goshen Municipal Authority**

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

**RE: Change Order No. 2  
Chester Creek Interceptor Inspection and Repair, Contract No. CCSS-2023**

Dear Mr. Miller:

We have prepared Change Order No.2 for the subject project. This change order formalizes the as-built changes in bid item quantities.

This change order increases the quantity of manhole pressure grouting and grout, and reduces the quantity of cured-in-place pipe lining of 24" pipe within Township roads.

Change Order No. 2 reflects a net increase in contract price of \$4,360.00; the resultant contract price is thereby \$215,560.00. We recommend approval of Change Order No. 2 as presented herein.

If you have any questions or need additional information, please call.

Sincerely,

**PENNONI ASSOCIATES INC.**

Michael J. Ellis, PE  
Associate Vice President

Approved   
7/12/2024

Enclosures: Change Order No. 2  
/ela

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



Gawthrop Greenwood, PC  
Attorneys at Law

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

**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  
06/10/2024  
Client No: 6604-001M  
Invoice No. 291598

General Authority Services

Fees

		Hours	
05/10/2024			
PMM	Email from L. Werkheiser with meeting agenda and materials.	0.20	41.00
05/13/2024			
PMM	Preparation for and attend Authority Board meeting.	1.70	348.50
05/28/2024			
PMM	Email from M. Miller regarding PUC notice of violation for One Call; Review and analyze PUC report for same; Telephone conference with M. Miller regarding same.	0.50	102.50
	For Current Services Rendered	2.40	492.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna, Esquire	2.40	\$205.00	\$492.00

Previous Balance \$471.50

Total Current Charges 492.00

05/21/2024 Payment -471.50

Balance Due \$492.00

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-8140

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.



Gawthrop Greenwood, PC  
*Attorneys at Law*

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

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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
06/10/2024  
Client No: 6604M

Previous Balance	Fees	Expenses	Payments	Balance
6604-001 General Authority Services 471.50	492.00	0.00	-471.50	<u>\$492.00</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.



Gawthrop Greenwood, PC  
Attorneys at Law

17 East Gay Street, Suite 100 (p) 610-696-8225  
West Chester, PA 19381-0562 (f) 610-344-0922  
gglaw@gawthrop.com www.gawthrop.com

**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

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07-424-3140

Client No:  
Invoice No.

Page: 1  
07/11/2024  
6604-001M  
293276

General Authority Services

Fees

		Hours	
06/04/2024			
PMM	Email from M. Miller regarding PUC fine.	0.20	41.00
06/05/2024			
JLB	Research PUC appeal process; prepare appeal letter.	1.00	125.00
PMM	Review and analyze issues regarding appeal of PUC determination for PA One Call.	0.20	41.00
06/06/2024			
JLB	Review and revise appeal letter; email to M. Miller and D. Pizarro; research meeting dates and committee members; review Act 50 (PA One Call Law).	1.00	125.00
06/07/2024			
PMM	Email from L. Werkheiser with meeting agenda and materials; Review and analyze meeting materials in preparation for Board meeting; Email from A. Smith at PUC regarding appeal for violation.	0.50	102.50
06/10/2024			
PMM	Attend Authority Board meeting.	1.50	307.50
06/12/2024			
PMM	Email from L. Werkheiser regarding rescheduled meeting date.	0.20	41.00
PMM	Email from M. Truitt regarding July Board meeting.	0.20	41.00
06/24/2024			
JLB	Phone conference and emails to/from M. Miller regarding PUC appeal; prepare affidavit.	1.00	125.00
PMM	Review and analyze issues regarding additional documents to submit to PUC; Review and analyze draft affidavit for M. Miller for same.	0.30	61.50

East Goshen Municipal Authority

General Authority Services

Page: 2  
07/11/2024  
Client No: 6604-001M  
Invoice No. 293276

		Hours	
06/25/2024	JLB	0.30	37.50
	Email to PUC regarding Damage Prevention Committee.		
	For Current Services Rendered	6.40	1,048.00

		Recapitulation		
<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Patrick M. McKenna, Esquire		3.10	\$205.00	\$635.50
Jody L. Bowden		3.30	125.00	412.50

Previous Balance \$492.00

Total Current Charges 1,048.00

Balance Due \$1,540.00

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.



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

# Service Invoice

Invoice#: 240631  
Date: 06/26/2024

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

**Project:** 32453  
RIDLEY CREEK STATION  
1751 TOWN DR.  
WEST CHESTER PA 19380

Scheduled: 06/20/2024  
Time:

Employee:

Order#:

Description	UM	Quantity	Price	Ext Price
RIDLEY CREEK STATION				
06-20-24				
UNWIRE AND REMOVE SER CABLE FOR TEMP UV FEED;				
UNWIRE AND REMOVE FLOAT CABLES AND DATA WIRE FOR TEMP CONTROL.				
ELECTRICIAN	HR	1.50	95.00	142.50
APPRENTICE	HR	1.50	78.00	117.00
SERVICE TRUCK	LS	0.20	40.00	8.00

Notes:

APPROVED BY: MS 7/6/24  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: ~~723~~ 07429-1505

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:	267.50
Taxable Amount:	0.00
Sales Tax:	0.00
<b>Amount Due</b>	<b>267.50</b>

# Memo

---

To: Municipal Authority  
From: Dave Ware  
Re: MA June 2024 YTD Financial Report  
Date: July 9, 2024

---

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

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



**EAST GOSHEN TOWNSHIP**  
**Municipal Authority Fund**  
**YTD June 2024**

<u>Account Id</u>	<u>Account Description</u>	<u>Annual Budget</u>	<u>Current YTD</u>	<u>Prior YTD</u>
<b>REVENUE</b>				
07-341-1000	INTEREST EARNINGS	0.00	194.61	144.81
07-364-1100	C.C. TAPPING FEES	2,300.00	0	0
07-364-1110	R.C.TAPPING FEES	8,574.08	1,787.04	4,287.04
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	58,836.13	58,882.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	837,464.00	341,139.71	410,882.82
<b>Total Revenue</b>		<b>959,546.66</b>	<b>402,803.49</b>	<b>475,042.67</b>
<b>EXPENSES</b>				
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	11,676.75	21,970.50
07-424-3140	LEGAL SERVICES	8,652.00	2,886.50	2,903.00
07-424-3700	CHESTER CREEK ENGINEERING	0.00	9,154.75	0.00
07-424-7490	CAP.REPLACEMENT R.C.	310,500.00	0.00	0.00
07-429-0000	CONTROL ACCOUNT	0.00	0.00	0.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	85,000.00	0.00	10,240.62
07-429-1505	RCSTP CAPITAL	366,963.84	135,084.71	108,995.16
07-429-1510	HERSHEY'S MILL ESTATES PROJECT	0.00	0.00	90,113.64
07-429-1520	RCSTP - CAUSTIC SODA	0.00	123.00	31,250.97
<b>Total Expenses</b>		<b>959,546.66</b>	<b>397,824.84</b>	<b>479,174.63</b>
<b>Net Result From Operations</b>		<b>0.00</b>	<b>4,978.65</b>	<b>-4,131.96</b>

Municipal Authority  
YTD Revenues and Expenses thru 6/30/2024

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
07-364-1110	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
07-364-1130	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
07-392-0900	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
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

**Municipal Authority**  
**YTD Revenues and Expenses thru 6/30/2024**

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
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

**Total Revenue 402,803.49**

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
07-424-3110	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
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
07-424-3140	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
07-424-3700	CHESTER CREEK ENGINEERING	02/14/24	Pay Check: 3483	24-00383 SERV THRU 011424 CHESTER CREEK	1,755.50

Municipal Authority  
YTD Revenues and Expenses thru 6/30/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3700	CHESTER CREEK ENGINEERING	03/15/24	Pay Check:	24-00645 SERV THRU 021124 CHESTER CREEK	4,235.75
07-424-3700	CHESTER CREEK ENGINEERING	04/03/24	Pay Check:	24-00782 SERV THRU 031724 CHESTER CREEK	3,163.50
07-429-1505	RCSTP CAPITAL	01/05/24	Pay Check:	24-00033 TYPE B C&G 3" COUOLER X M NPT	94.02
07-429-1505	RCSTP CAPITAL	01/10/24	Pay Check:	24-00056 VARIOUS PURCHASES- SEE NOTES	97.00
07-429-1505	RCSTP CAPITAL	01/17/24	Pay Check:	24-00098 RC ST-RAN CONDUIT FOR TEMP PUM	9,530.65
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check:	24-00041 ADAPTER 4" FNPT X 6" MCAM	429.92
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check:	24-00041 ADAPTER 6" FRMALE CAM X MNPT	1,337.24
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check:	24-00041 HOSE 6" X 50' CAMLOCK LAYFLAT	12,392.88
07-429-1505	RCSTP CAPITAL	01/26/24	Pay Check:	24-00041 DELIVERY	645.12
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check:	24-00210 SAND BAR (YELLOW) & BAGS	67.00
07-429-1505	RCSTP CAPITAL	01/31/24	Pay Check:	24-00237 HOSE 6"X10' HD TANK TRUCK CAML	4,069.12
07-429-1505	RCSTP CAPITAL	02/06/24	Pay Check:	24-00271 TROUGH AND CMU WALL ABLATION	6,860.00
07-429-1505	RCSTP CAPITAL	02/08/24	Pay Check:	24-00317 VARIOUS PURCHASES- SEE NOTES	91.92
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check:	24-00379 RCSTP- UV REPLACEMENT PYMT 1	4,296.24
07-429-1505	RCSTP CAPITAL	02/14/24	Pay Check:	24-00382 SERV THRU 011424 RCSTP GENERAT	302.75
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check:	24-00426 UV SYSTEM INSTALLATION-FILTER	1,427.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check:	24-00425 DISK FILTER#1 FAILURE, ALARM T	300.00
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check:	24-00436 PIPING FOR NEW MUFFIN MONSTER	3,980.40
07-429-1505	RCSTP CAPITAL	02/22/24	Pay Check:	24-00437 ELECTRICAL PARTS-INSTL MUFFIN M	141.57
07-429-1505	RCSTP CAPITAL	02/27/24	Pay Check:	24-00513 FLYGT NP-3171.095 6" SUBMERSIB	794.81
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check:	24-00520 VARIOUS PURCHASES- SEE NOTES	129.10
07-429-1505	RCSTP CAPITAL	02/29/24	Pay Check:	24-00520 VARIOUS PURCHASES- SEE NOTES	2,149.78
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check:	24-00539 PURCHASE TENT HEATERS & DELIVER	356.00
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check:	24-00530 (20) ROD 5/8 X 20' (#5)	1,198.00
07-429-1505	RCSTP CAPITAL	03/05/24	Pay Check:	24-00550 5.5 YD CONCRETE 4000 PSI	800.00
07-429-1505	RCSTP CAPITAL	03/06/24	Pay Check:	24-00567 20X20 TENT RENTAL UV CONCRETE	450.00
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check:	24-00606 DUMPSTER RENTAL- CONSTRUCTION	3,541.86
07-429-1505	RCSTP CAPITAL	03/11/24	Pay Check:	24-00607 RCSTP-UV DISINFEC RPLCMT PYMT2	3,658.25
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check:	24-00646 SERV THRU 021124 RCSTP GENERAT	2,698.50
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check:	24-00644 SERV THRU 031124 RCSTP UV REPL	118.95
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check:	24-00659 (5) 5 GALLONS WHITE PAINT	31,183.78
07-429-1505	RCSTP CAPITAL	03/15/24	Pay Check:	24-00625 RCSTP- UV DISINFECTION SYS REP	3,101.53
07-429-1505	RCSTP CAPITAL	03/21/24	Pay Check:	24-00698 INSTALL EMER. SHOWER & EYEWASH	18.49
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check:	24-00765 VARIOUS PURCHASES- SEE NOTES	313.32
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check:	24-00765 VARIOUS PURCHASES- SEE NOTES	226.26
07-429-1505	RCSTP CAPITAL	04/01/24	Pay Check:	24-00765 VARIOUS PURCHASES- SEE NOTES	661.50
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check:	24-00783 SERV THRU 031724 RCSTP UV REPL	1,028.50
07-429-1505	RCSTP CAPITAL	04/03/24	Pay Check:	24-00781 SERV THRU 031724 RCSTP GENERAT	800.00
07-429-1505	RCSTP CAPITAL	04/09/24	Pay Check:	24-00872 20X20 FRAME TENT RENTAL4/3-5/1	

Municipal Authority  
YTD Revenues and Expenses thru 6/30/2024

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
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
07-429-1520	RCSTP - CAUSTIC SODA	05/14/24	Pay Check: 3508	24-01145 SERV THRU 041424 RCSTP CAU SOD	123.00
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

**Total Expense** 397,824.84

**Net Operating** 4,978.65

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP  
CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

Date: July 9, 2024

To: East Goshen Township Municipal Authority


From: Kevin M. Miller

Re: Barkway Pump Station

Early last week, the Public Works Department was doing their preventative maintenance on the Barkway Pump Station. While conducting their work of switching out Pump #1, the guide rails and flange part of the lift station collapsed. When this happened, the crew could no longer continue pumping until the guide rails and flanges were restored. To accomplish this, the crew brought in a vacuum truck to remove the sewage. Once the bottom of the pump station was visible, the restoration could begin. After some time, the issue was temporarily resolved to put the pump station back in service.

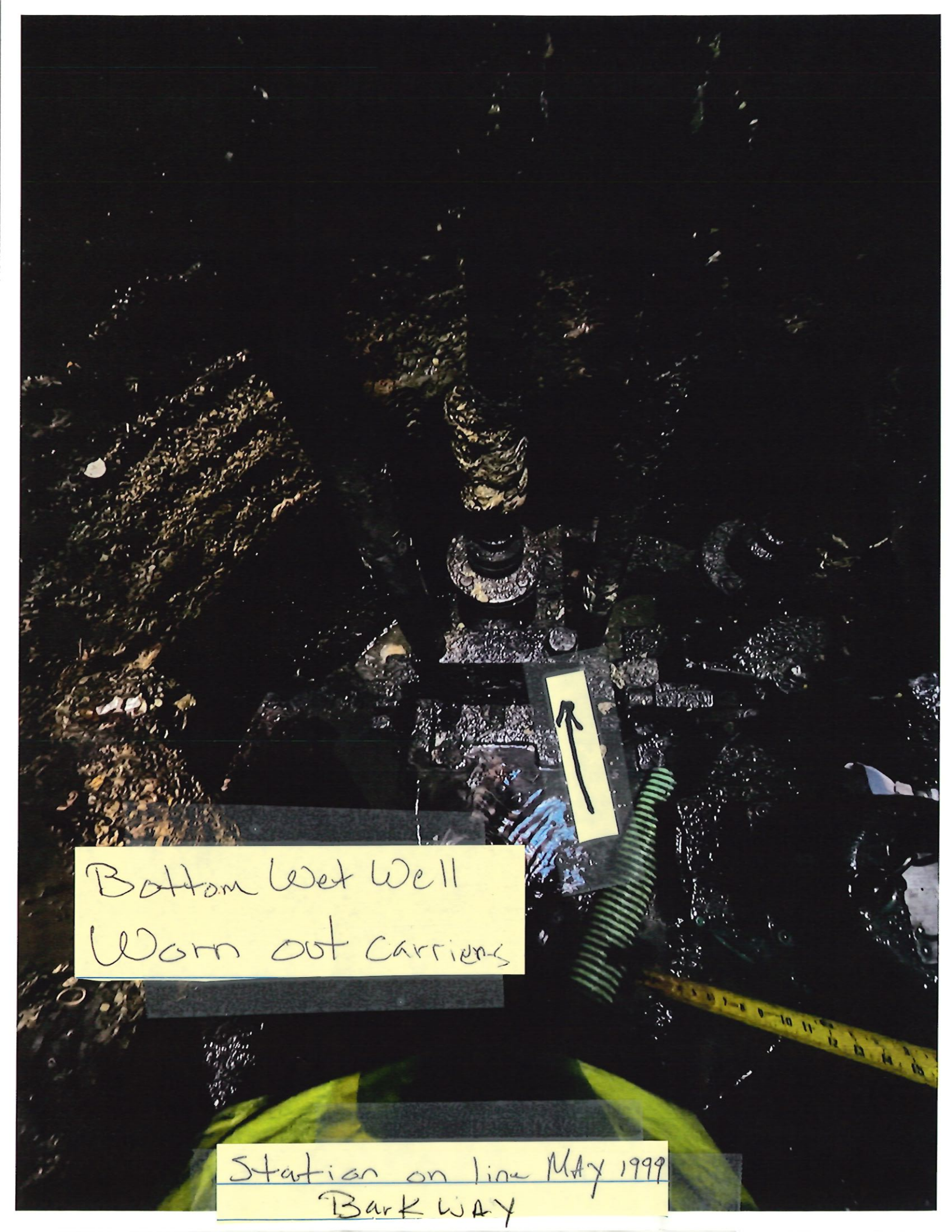
In closing, the Barkway Pump Station has significant design faults that are creating insufficient maintenance efficiency. For example, the discharge from the flange to the piping is not a compatible size. This is causing the pump to not sit (on center) where it should and leads to unwanted torque on the guiderails.

Our recommendation would be to overhaul the interior of the wet well to meet updated needs and specifications. By doing this, we will increase maintenance efficiency and not create a hazard by performing routine maintenance.



Pump seated  
Barkey  
on Line.

MAY 1999

A photograph showing the interior of a well. The bottom is dark and appears to be composed of soil and some debris. A yellow corrugated pipe is visible on the right side. A yellow ruler is also present at the bottom right. A yellow arrow points upwards towards the center of the well. Two yellow sticky notes with handwritten text are overlaid on the image.

Bottom Wet Well  
Worn out carriers

Station on line MAY 1999  
Bark way