

EAST GOSHEN MUNICIPAL AUTHORITY

November 14, 2022

7:00

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

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

- a. Director of Public Works Report.
b. Pennoni Engineer's Report.
c. Big Fish Environmental Report

4. APPROVAL OF MINUTES

- a. October 10, 2022

5. APPROVAL OF INVOICES

Pennoni Invoice #1141259	\$	501.53	
Pennoni Invoice #1141260	\$	519.32	
Pennoni Invoice #1141261	\$	3,504.25	
Pennoni Invoice #1141262	\$	580.25	
Excelsior Invoice #0911231-IN	\$	5,221.00	
Yale Invoice #120860167.001	\$	259.80	Paid 10/13
Lowe's Invoice	\$	58.20	Paid 10/13

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. October Financial Report

8. OLD BUSINESS

- a. Hershey Mill Trunk Line

9. 2022 Goals:

Goal	Status
Ridley Creek Plant Compliance	January, February, March, April, May, June, July, August, d September and October were in compliance and met all requirements *Note DEP Annual Insp.
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going
Continue to Implement Infiltration and Inflow for the Sewer System	On-going
Caustic Soda Project	Equipment order – Material have been ordered Pumps have arrived – Scheduled install 11/21/2022
Replace sewer line Hershey Mill Estate trunk line replacement	The pipe was ordered July 20th Delivered on Sept. 7 th The Bid has been advertised
Three new meters for Ridley Creek Collection	Hibberd Lane is on line. Ridley Creek Plant is the next meter, in the process of replacing the meter at the plant. <ul style="list-style-type: none"> • Ridley Meter installed - Completed

10. NEW BUSINESS

- a. Mike Ellis to discuss UV Mechanical and Electrical Contracts

11. CAPACITY REQUESTS

- a. 14 Reservoir Road residential lot

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

EAST GOSHEN MUNICIPAL AUTHORITY
EAST GOSHEN TOWNSHIP
1560 PAOLI PIKE, WEST CHESTER, PA 19380-6199

To: Municipal Authority
From: Mark Miller
Re: November 14, 2022 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 659,687 per day.

Meters: The meters were read on a daily basis. No problems to report.

C.C. Collection: The pump stations were visited on a daily basis, the wet well was washed down and the level rods were cleaned. The generators were under power for one hour each week. The generators were serviced for the winter. We were called out to 42 Waterview Lane for a sewer lateral break, since the area was recently dug by an Aqua Water subcontractor we had Aqua send out their contractor who did the hydro excavation, the pipe turned out to be ok. However, the manhole tie in was not to our standards so we went back on Monday and replaced the piping in the manhole.

C.C. Interceptor:

R.C. Collection: The pump stations were visited on a daily basis; the pump station wet wells were washed down along with the level rods. The Generators were serviced as routine maintenance for the winter. We installed two batteries I the Hunt Country unit.

Ridley Creek Plant: The new meter was put in service; we have to do a zero flow test on the unit, which we will setup with John Laidley in the next couple of weeks. The boardwalk was completed. We replaced the blower motor on number 4; lenni was on hand to do the wiring of the blower motor. I ordered a blower to replace number 5, the cost was \$5,221.00 the supplier had one on the shelf so I had them ship it to us and it should arrive on Tuesday with the install scheduled for Wednesday. When I spoke with the sales clerk I asked to check on availability for another blower, he said they were 18 to 20 weeks out. I ordered a second blower, which we will have, for a spare. Since the SBR is going on 11

years in service we are starting to have equipment failures and components are not readily available so I am ordering some of the components that should be on the shelves. For the electronics, we have been ordering different components that John Laidly have recommended.

Alarms: We responded to 18 alarms for October.

PA 1 Calls: We responded to over 55 PA One Calls for the month October.

Monthly Rainfall: 5.60 inches of rain for the month of October.

Lateral repairs or Caps: We had over three dozen cleanout repairs for October.









[REDACTED]

November 4, 2022

To: Board of Supervisors
From: Jim Kane
Address: 42 Lochwood Ln
RE: Mark Miller - East Goshen Public Works Dept.

Board of Supervisors:

The purpose of this letter is to highlight the outstanding response and action taken by Mark Miller, Director of Public Works, and his team. In today's environment, we are all bombarded with negative feedback and criticism on multiple fronts. Therefore, I want to take the opportunity to provide my appreciation for the rapid attention to a sewer issue that resulted in an extraordinary and rapid display of township and contractor resources.

In the overnight hours of Wednesday, Nov. 2nd, we experienced a clogged sewer in which Roto-Rooter arrived the next morning and fixed the problem. However, they also stated that my sewer main was collapsed near the street and promptly indicated that they could rectify the issue the next day for \$6K.

I left a message for Mark since it appeared that the alleged pipe failure was in the exact area of the water main upgrades that occurred earlier this year on Lochwood Ln. Mark contacted me within 30 minutes of my message and was at my property 10 minutes after our conversation. Based on the location of the supposed collapse, Mark had township resources in addition to the Aqua contractor on site within the hour.

After excavating the area around the potential issue, it was determined that there was not a collapsed sewer main. I regret the vast amount of resources that were utilized for a problem that was non-existent based on the misdiagnosis of Roto-Rooter. However, I thank Mark for his exceptional efforts and professionalism in coordinating a tremendous response on behalf of the township in addition to his genuine concern that the issue was resolved.

Sincerely,

Jim Kane

[REDACTED]



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www.pennoni.com

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
November 9, 2022**

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – We are prepared to assist the PW Department with construction layout for the concrete pad and installation work, if needed. We have prepared the PADEP tank permit application and have coordinated with a certified tank installer to perform an inspection when the system is installed by the PWD and to sign-off on the permit application. We are awaiting their fee quote for that inspection. The permit application will be submitted to PADEP after installation with the certified installer's certification. We are coordinating with PADEP for the timing to start using the system after the application is submitted and associated duration for issuance of the permit.
- UV Disinfection System – Glasco's shop drawings for the system were returned "Approved as Noted" on November 3. The lead time for the equipment is about 4 months. We therefore expect the equipment to be delivered in late February or early March 2023.

The bidding schedule remains dependent on the notification of awards for the Commonwealth Financing Authority (CFA) Local Share Account (LSA) grants, which we tentatively understand is expected to occur in November. The proposed bidding schedule follows:

- Bid Advertisement – early December
- Bids Due – early January
- Award Consideration – January 9, 2023 at the Municipal Authority Meeting

We request authorization from the Municipal Authority to advertise the solicitation in December.

- Generator #2 Replacement – We are continuing with design and coordination with vendors on pricing for various size generators.

Westtown Way Pump Station

- No update since our last report.

Sanitary Sewer Pipe Rehab

- Supplee Valley – No activity since our last report. We will finalize an updated construction scope and construction cost estimate for pipe lining the remainder of the asbestos cement sewers in the neighborhood. We anticipate bidding the project in late December with construction in early 2023.
- Hershey's Mill Estates – The bid documents were finalized, and the construction solicitation went live on PennBid on November 1. We have responded to prospective bidder's questions. The bid schedule follows:
 - Non-Mandatory Pre-Bid Meeting – November 10 at the site
 - Bids Due – December 5
 - Award Consideration – December 12 at the Municipal Authority Meeting

Since a LSA grant application was submitted for this project, construction contracts cannot be awarded if/until the grant is "approved". The above schedule is based upon the grant award notifications occurring in November before bids are due. If grant award notifications have not occurred by November 28, the bid deadline will be extended by one month.

- Ridley Creek Exposed Sewer Rehab – We obtained emergency permit authorization from PADEP for the proposed concrete encasement of the sewer main that is exposed in the streambed. A full permit application has been prepared and will be submitted to PADEP in follow-up to the emergency authorization.

I&I Program

- No activity since our last report.

New Connections

- Sewer Extension Study – No activity since our last report.

Industrial Pretreatment Ordinance

- No activity since our last report. As discussed at the May 2021 MA meeting, a headworks study with sampling at the RCSTP can be conducted to set contaminant limits.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 and 002 achieved compliance with all effluent limitations regarding water quality for the month of October. All supplemental reports were submitted for the month of September with the eDMR. Discharge to the Applebrook irrigation lagoon was discontinued during October. Chemical usage utilized for, and total alkalinity remained consistent with previous months. Aluminium sulfate solution volumes were slightly increased to a daily average of 69.1 as compared to the previous month at 64.3 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. Sludge dewatering continues to be increased to avoid potential odors during the sludge holding tank decanting process. There were no odor complaints during the month.

Table 1

October 2022- Final Effluent - Outfall 001																	
NPDES Permit Discharge Limitations	Flow	CBOD ₅		Total Nitrogen		TSS		NH ₄ -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				
	Average	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																	
October 4, 2022	0.361	2.0	6.0	5.81	17.5	4.0	12.0	0.10	0.30	0.16	0.48	7	0.8451	NS	NS	NS	
October 11, 2022	0.311	23.1	59.9	5.76	14.9	7.5	19.5	0.10	0.26	0.11	0.29	8	0.9031	NS	NS	NS	
October 18, 2022	0.334	2.0	5.6	5.54	15.4	5.5	15.3	0.10	0.28	0.10	0.28	11	1.0414	NS	NS	NS	
October 25, 2022	0.308	2.0	5.1	6.42	16.5	4.7	12.1	0.10	0.26	0.15	0.39	1	0.0000	NS	NS	NS	
Average	0.329	7.3	19.2	5.88	16.1	5.4	14.7	0.10	0.27	0.13	0.36	7	0.6974	NA	NA	NA	
Minimum	0.308	2.0	5.1	5.54	14.9	4.0	12.0	0.10	0.26	0.10	0.28	1	0.0000	NA	NA	NA	
Maximum	0.361	23.1	59.9	6.42	17.5	7.5	19.5	0.10	0.30	0.16	0.48	11	1.0414	NA	NA	NA	

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported to date for outfall 001 October 2022. The final effluent CBOD₅ test result for October 11th is under review. The test result isn't consistent with the remaining water quality test results for the same day suggesting the concentration should be less than reported. The month to date average total phosphorus was reported as 0.13 mg/L as compared to the permit limitation of 0.50 mg/L. The TSS samples were consistently in single digits and well below the weekly maximum of 15 mg/L. The monthly average TSS was reported as 5.4 mg/L as compared to the discharge limitation of 10 mg/L.

The final effluent test results demonstrate that the biological treatment process performed well during October. The sequencing batch reactors (SBRs) numbered 2, 3 and 4 were in service. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Daily analysis of the final effluent flow equalization grab sample for total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Discharge to the Applebrook irrigation lagoon, outfall 002 was discontinued through October 2022.

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility generally remained within the design concentration and organic loading values. The TSS and CBOD₅ monthly average weekly concentrations were generally observed to be less than the design parameters for the treatment process.

Table 3 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during October 2022.

Table 3

October 2022 - Influent Wastewater													
Design Basis	Flow	BOD ₅		CBOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
October 4, 2022	0.398	168	558	37.8	126	190	631	23.8	79	34.4	114	3.12	10.4
October 11, 2022	0.360	264	792	204	612	217	651	27.9	84	41.5	124	4.31	12.9
October 18, 2022	0.363	252	762	220	665	250	756	33.2	100	3.50	10.6	5.12	15.5
October 25, 2022	0.385	204	655	214	687	222	713	27.7	89	42.4	136	3.99	12.8
Average	0.376	222	692	169	522	220	688	28	88	30.5	96	4.14	12.9
Minimum	0.360	168	558	37.8	126	190	631	24	79	3.5	11	3.12	10.4
Maximum	0.398	264	792	220	687	250	756	33	100	42.4	136	5.12	15.5

The foam on the SBR surface remained consistent with September with approximately 10% to 20% coverage of the surface area. The foam thickness is approximately 2 inches with a light to medium brown color. These conditions may contribute to a decrease in clarity within the final effluent post flow equalization basins; however, the clarity is improved after passing through the disc filters. The operation strategy is to lower the MLSS to maintain a F:M ratio of 0.06 while ensuring the ammonia effluent discharge concentration remains within the seasonal limit of 2.5 mg/L.

PA DEP

Annual inspection. No violations were observed.

Pennoni Associates

No activity

Chemical Usage:

October 2022		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	300	9,300
Aluminium Sulfate solution, gal	69.1	2,142

Flow data:

October 2022			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	11.193	385,964	600,760
Influent Wastewater to SBRs*	12.013	414,230	576,000
Internal Recycle**	0.844	29,119	59,512
Treated Effluent to Disc Filters	11.577	399,192	556,512
Final Effluent Discharge	9.208	318,000	483,000
Applebrook Golf Course	0	0	0



During October, the average monthly influent wastewater flow measured at the "field" flow meter was 385,964 gallons/day as compared to the influent flow into the SBRs as 414,230 gallons/day. The difference between the daily averages is 28,266 gpd, which is consistent with the average daily volume of internal recycle flow of 29,119 gpd. These values are considered typical as the flows to the SBR should be greater due to including all the internal recycle flows.

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

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER

SEWAGE INSPECTION REPORT

Permit Number	Inspection Date	Entry Time	Exit Time	Inspection Type	Inspection ID
PA0050504	10/21/2022	09:10	10:32	CEI	3444017
Municipality	East Goshen		County	Chester	
Facility Name	RIDLEY CREEK STP		Permittee Name	EAST GOSHEN MUNI AUTH CHESTER CNTY	
24-Hour Emergency Contact Person/Phone	Matthew Mullin / (610) 675-7044		Email	----	
Physical Location Address	1751 TOWNE DR, WEST CHESTER, PA, 19380				
Permit Expiration Date	03/31/2027	Next Submittal DueDate	----	----	
Violations*	No Violations Noted				
Person Interviewed	Matthew Mullin	Date	10/21/2022	Inspector	WILLIAM J COLLINS
Signature		Phone Number	(610) 675-7044	Signature	
				Phone Number	(484) 250-5139
Title	----		Title WTR QLTY SPCST		
Email	----		Email wilcollins@pa.gov		
<p>This document is official notification that a representative of the Department of Environmental Protection inspected the above facility. The findings of this inspection are shown above and on any attached pages. *Any violations which were noted during the inspection are indicated. Violations may also be discovered upon examination of the results of laboratory analyses of the discharge and/or review of Department records.</p>					

SEWAGE INSPECTION REPORT

Facility Details Section			
Responsible Official	DEREK F DAVIS	Title	TOWNSHIP MGR
Business Phone	(610) 692-7171	Email	ddavis@eastgoshen.org
Permittee Address	1580 PAOLI PIKE, WEST CHESTER, PA, 19380-6107		
Certified Operator	TOWLER SCOTT A	Client ID	196106
Certificates	A,E-1,2,3,4	Certification Status	Active
		Expiration Date	12/31/2023
Is a Copy of the permit(s) on-site?			Yes
Has the interviewed operator/person reviewed the facility's permit(s)?			Yes
Non-Compliances 			
<ol style="list-style-type: none"> 25 Pa. Code 302.1201: Circuit rider failed to make available the general work plan and/or the system specific management plan. 25 Pa. Code 302.1201: Circuit rider failed to make available the general work plan and/or the system specific management plan. 			
Comments			
<p>This CEI was conducted alongside Matthew Mullin. Headworks- good condition SBR- sbr 1 is offline, 2,3 and 4 were functioning correctly Post EQ- no issues observed Disc filters- working properly UV- no issues Sludge holding- no issues Final effluent appeared clear Receiving stream was in good condition</p>			
Participants:			

SEWAGE INSPECTION REPORT

1 Mon,Rpts&Rcds: 00007247 - SBR PLANT

Influent Sampling

MRR-1	Is influent monitoring required by the permit?	Yes	
MRR-2	Are influent samples collected?	Yes	
MRR-3	Is the influent sampling location prior to all treatment?	Yes	
MRR-4	Is the influent sampling location prior to all return flows?	Yes	
MRR-5	Are representative influent samples collected?	Yes	

Effluent Sampling

MRR-6	Is the effluent sample collected at the location identified in the permit?	Yes	
MRR-7	Where is the effluent sample collection location?	End of UV	
MRR-8	Is the effluent sample location after all treatment?	Yes	
MRR-9	Are representative effluent samples collected?	Yes	

Sample Collection

MRR-10	Are samples collected as required by the permit?	Yes	
MRR-11	Is proper sampling equipment / containers used during collection?	Not Observed	
MRR-12	Are the proper type of samples collected in accordance with the permit?	Yes	
MRR-13	Are the samples collected at the frequency in accordance with the permit?	Yes	
MRR-14	Is the proper sample size (minimum aliquot 100 mL) collected?	Yes	
MRR-15	Is proper temperature control provided during collection, storage and shipping?	Not Observed	
MRR-16	Is the temperature of the sampler or storage refrigerator monitored using an NIST traceable thermometer and recorded?	Yes	
MRR-17	Is the sample storage temperature ≤ 6 °C ?	Yes	
MRR-18	What is the sample storage temperature?	4.5 C	

On-site Lab Accreditation-by-Rule

MRR-19	Does the facility analyze accredited-by-rule parameters only?	Yes	
MRR-20	Which accredited-by-rule parameters are analyzed by the on-site lab?	pH DO	
MRR-21	Is the on-site lab registered?	Yes	

SEWAGE INSPECTION REPORT

MRR-22	Laboratory Registration ID	15-05032	
Lab Accreditation			
MRR-23	Does the on-site laboratory analyze permit parameters?	No	
MRR-29	Are permit parameters analyzed by a contract lab?	Yes	
MRR-30	Contract Lab Name, City, Phone Notes: Suburban Testing Labs 1037F MacArthur Rd. Reading, PA 19605 610-375-4090	See notes	
MRR-31	Contract Laboratory Accreditation ID	06-00208	
MRR-32	Is the contract lab accredited for those permit parameters?	Yes	
MRR-33	Have any changes occurred with the accredited-by-rule or the accredited parameters or labs?	No	
Analysis			
MRR-35	Are approved test methods (per 40 CFR Part 136 or others) used for permit parameters?	Not Observed	
MRR-36	Are the methods used sufficiently sensitive for permit parameters?	Not Observed	
MRR-37	Are the samples analyzed within the required holding time?	Not Observed	
MRR-38	Are laboratory equipment/meters calibrated in accordance with the manufacturers' specifications?	Not Observed	
MRR-39	Are laboratory meters operated and maintained in accordance with the manufacturers' specifications?	Not Observed	
MRR-40	Are pH buffers and other reagent standards current?	Yes	
Records			
MRR-41	Are sampling, calibration, laboratory results, chain-of-custody and other required records readily available for review and complete?	Yes	
MRR-42	Do the sampling records include collector, date/time, location information?	Yes	
MRR-43	Do the analysis records include the analyst's name, the analysis date and time, the test method used, the quantitation limits, and the results?	Yes	
MRR-44	Are the required facility records retained for a minimum of 3 years?	Yes	
MRR-45	Are the required sludge use and disposal records retained for a minimum of 5 years?	Yes	
MRR-46	Was access provided to information or to facility records upon request?	Yes	
Reports			
MRR-47	Identify the month/year of the DMRs and supporting data reviewed.	4/'22-8/'22	
MRR-48	Are the reviewed DMRs and supplemental reports properly completed?	Yes	
MRR-49	Are the reviewed bench sheets/lab reports consistent with the reported data?	Not Observed	

SEWAGE INSPECTION REPORT

MRR-50	Are samples collected more frequently than required in the permit?	Yes	
MRR-51	Are additional sample results incorporated into the DMR calculations?	Yes	
MRR-52	Are DMRs submitted on time?	Yes	
MRR-53	Are the required supplemental reports submitted?	Yes	
MRR-54	Is the facility using the eDMR system, if required?	Yes	

2 Flow Measurement: 00007247 - SBR PLANT

Flow Measurement

Q-2	If influent flows are measured, are they measured before all return lines and after hauled-in waste?	Not Applicable	
Q-3	Is a flume present?	No	
Q-6	Is a weir present?	Yes	
Q-7	Are weirs clean with a visible air space below nappe?	Yes	
Q-8	What is the max flow that can be measured at the primary device (flume or weir)?	3.0 MGD	

Meter & Recorder

Q-9	Does the permit require continuous flow monitoring and recording?	Yes	
Q-10	Does the facility have the required flow monitoring and recording capabilities?	Yes	
Q-11	What type of flow meter is used?	Ultrasonic	
Q-12	What type of flow recorder is used?	Totalizer 7-day Chart	
Q-13	Are the meter and recorder operable and operating?	Yes	
Q-14	What is the date of the most recent flow meter calibration?	9/'22	
Q-15	What is the calibration range of the flow meter?	Unknown	
Q-16	What is the flow range of the recorder?	0-2500 gpm	
Q-17	What is the current flow meter reading (MGD or gpm)?	186 gpm	

High Flows

Q-18	Does the permit require a High Flow Management Plan?	No	
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3 TP Treatment Plant: 00007247 - SBR PLANT

SEWAGE INSPECTION REPORT

Treatment Units

TP-1	Are all treatment units operable?	Yes	
TP-2	Are the treatment units/equipment as described in the WQM permit(s) or in the previous inspection report?	Yes	

Stand-by Power

TP-7	Is stand-by power provided?	Yes	
TP-8	Type of Stand-by Power	Emergency generator	
TP-9	How often is the stand-by power unit maintained?	Quarterly	
TP-10	How often is the stand-by power unit exercised?	Weekly	
TP-11	Is the stand-by power unit exercised under load?	No	
TP-12	Is the stand-by power system operable and maintained?	Yes	

Alarms

TP-13	Is an alarm system available?	Yes	
TP-14	Type of Alarm	Auto Dialer	
TP-15	How often is the alarm system tested?	Weekly	
TP-16	What conditions trigger an alarm? Select all that apply.	Power failure High level Pump faults Pump failure	
TP-17	Is the alarm system(s) operable?	Yes	

Chemicals

TP-18	Are chemicals used for treatment or otherwise added to the waste stream?	Yes	
TP-19	Which chemicals are added? Notes: Soda ash/ Alum/ Polymer	See notes	
TP-20	What is the purpose of the chemical addition? Notes: pH adjustment/ Phos removal/ Coagulation of solids	See notes	
TP-21	Where are the chemicals added? Notes: SBR/ SBR/ Centrifuge	See notes	
TP-22	Are chemicals properly handled and stored to prevent a pollution incident?	Yes	

Bypasses

TP-23	Did a treatment plant bypass occur since the last inspection?	No	
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SEWAGE INSPECTION REPORT

Planned Changes

TP-35	Have any changes (new pollutants, different or increased volume or loadings) to the waste stream from industrial or hauled-in wastes occurred since the last inspection?	No	
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4 O&M: 00007247 - SBR PLANT

O&M

OM-1	Which of the following treatment plant and equipment records are available?	O&M Manual As-built drawings Maintenance schedule Equipment Manuals	
OM-2	Is a daily operations log on-site?	Yes	
OM-3	Is the daily operations log up to date?	Yes	
OM-4	Which operational conditions/actions are recorded in the log?	Observations Process adjustments Problems or Concerns	
OM-5	Are process control parameters monitored? (Record the monitoring frequency and current results)	Yes	
OM-6	Is an influent/process control supplemental report form completed and submitted with the DMR?	Yes	
OM-7	Does the daily operations log include maintenance and repair records?	No	
OM-8	Is a routine preventative maintenance (PM) schedule and log maintained?	Yes	
OM-9	Is a repair log on-site?	Yes	
OM-10	Are the PM and repair logs up to date?	Yes	
OM-11	Were major equipment repairs/replacements done since the last inspection? Notes: SBR blowers	Yes	
OM-12	Is a spare parts inventory, either written or electronic, maintained?	Yes	
OM-13	Are spare parts and equipment (pumps, motors) maintained on-site or readily available?	Yes	

Solids Management

OM-14	What is the sludge storage capacity?	Unknown	
OM-15	How much sludge was removed from the facility in the past year?	45.8 dry tons	
OM-16	How does the facility determine how much sludge to waste?	MLSS results	

SEWAGE INSPECTION REPORT

OM-17	Is sludge/biosolids production & disposal information submitted on the applicable supplemental report form with the DMR?	Yes	
OM-18	Does the facility test the removed sludge for %TS?	Yes	
OM-19	Who provides sludge hauling/disposal/land application?	Charles Blosenski	
OM-20	Where is the sludge disposal/biosolids application location?	Lanchester Landfill	
OM-21	How and where are other solid materials, such as collected screenings and grit, disposed?	Dumpster	
OM-22	Has the facility obtained or assured that contracted agents have the necessary permits and approvals for the disposal of solid materials?	Yes	
OM-23	Are solid materials handled and disposed of in compliance with a disposal permit and requirements?	Yes	
OM-24	Is the facility in compliance with all other Part C Special Conditions regarding Solids Management?	Yes	

Hauled in Wastes

OM-25	Does the facility accept hauled-in wastes?	No	
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Stormwater

OM-37	Does the permit include a special condition or other requirements regarding stormwater management?	No	
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Special Conditions

OM-42	Is the facility subject to industrial pretreatment requirements, or does the permit include a Part C Special Condition regarding Industrial Pretreatment?	No	
OM-45	Does the permit contain a condition regarding whole effluent toxicity (WET) tests?	No	
OM-48	Are any other special conditions in the permit not covered in this inspection report?	No	

5 DP Discharge Point: 001 - OUTFALL 001

Outfall

DP-1	Outfall Observations	See photo	
DP-2	Were field measurements taken?	No	
DP-4	Were effluent samples collected for laboratory analysis?	No	

Downstream

DP-10	Is the receiving stream clear of floating or deposited materials, scum, sheen, foam, oil, grease or other substances associated with the discharge?	Yes	
DP-11	Were downstream field measurements taken?	No	
DP-13	Were downstream samples collected for laboratory analysis?	No	

Upstream

SEWAGE INSPECTION REPORT

DP-19	Was the stream observed upstream from the outfall?	Yes	
DP-20	Were upstream field measurements taken?	No	
DP-22	Were upstream samples collected for laboratory analysis?	No	

6 CV Conveyance: 00007247 - SBR PLANT

Collection System

CV-1	Does the permitted entity own, operate & maintain the entire collection system?	Yes	
CV-4	Is collection system maintenance performed?	Yes	
CV-5	Is maintenance regularly scheduled?	Yes	
CV-6	Is maintenance done as problems occur?	Yes	
CV-7	Which types of maintenance are performed?	Jetting/televising	
CV-8	Does the system experience infiltration and/or inflow that causes or could cause O&M problems or interferes with treatment?	Yes	
CV-9	Is an I&I program in place?	Yes	
CV-10	Select the I&I detection work performed since last inspection	Televising	
CV-11	Select the I&I removal work performed since last inspection	Pipe Repair	

Sanitary Sewer Overflows

CV-12	Have any sanitary sewer overflows occurred since the last inspection?	No	
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7 PS Pump Stations: 00007247 - SBR PLANT

Pump Stations

PS-1	How many pump stations are part of the facility's collection system?	2	
PS-2	Are pump station flows recorded?	Yes	
PS-3	How are flows measured?	Metered Estimated from pump run times	
PS-4	What type of flow meter/sensor is in use?	Daily Magnetic	
PS-5	When was the most recent flow meter calibration done?	9/'22	
PS-7	Are pump stations monitored with alarms?	Yes	

SEWAGE INSPECTION REPORT



PS-8	Are the alarms operable?	Not Observed	
PS-9	Are the pump stations equipped with backup auxiliary power?	Yes	
PS-10	Type of Stand-by Power	Emergency generator	
PS-11	Is the stand-by power system operable?	Not Observed	
PS-12	Is the stand-by power system maintained in accordance with manufacturer's recommendations?	Not Observed	
PS-13	How often is the stand-by power unit maintained?	Quarterly	
PS-14	How often is the stand-by power unit exercised?	Weekly	
PS-15	Is the stand-by power unit exercised under load?	Yes	

OpCert: 00007247 - SBR PLANT

Operator Certification

OP-1	Is a properly certified operator employed for the treatment plant?	Yes	
OP-2	Is at least one collection system pump station part of the permitted facility?	Yes	
OP-3	Is an operator with a valid E-4 certificate employed for the operation of the facility's collection system pump station(s)?	Yes	
OP-4	How many properly certified available operators make process control decisions at this facility?	2	
OP-5	Is at least one available operator's current certificate displayed at the treatment plant?	Yes	
OP-6	Have the available operators been provided with a copy of the current NPDES/WQM Permits?	Yes	
OP-7	On which days of the week is an available operator at the plant?	Monday Wednesday	
OP-8	How many hours are spent at the plant by the available operator(s) each day (weekdays/weekends/holidays)?	5	
OP-9	Does the operator notify the owner about violations or conditions that may cause a violation, and needed resources?	Yes	
OP-10	How does the operator notify the owner about known violations or conditions that may cause a violation, and about needed resources?	Email Phone call	
OP-11	Does the owner respond to the operator's notification about needed resources?	Yes	
OP-12	Does the operator act to resolve the condition(s) and/or violation(s)?	Yes	
OP-13	Are non-certified or not properly certified persons expected to perform work that requires process control decisions?	Yes	
OP-14	How are non-certified/not properly certified persons directed to perform process control work?	Available operator on-site Available operator on call SOPs	

SEWAGE INSPECTION REPORT

OP-15	Has the owner elected to develop SOPs?	Yes	
OP-16	Has the owner designated an operator in responsible charge to develop SOPs?	Yes	
OP-17	Name of operator in responsible charge	Matthew Mullin	
OP-18	Has the designated operator in responsible charge developed and/or approved SOPs?	Yes	
OP-19	If the available operator/operator in charge (OIC) has changed, was a change of operator form submitted to DEP within 10 days?	Not Applicable	
Circuit Rider			
OP-20	Is the facility operated by a circuit rider?	Yes	
OP-21	How many facilities does the circuit rider operate?	2	
OP-22	Is the required General Work Plan complete, signed by the owner and available for review upon request?	No	
OP-23	Is the required System Specific Management Plan complete, signed by the owner and available for review upon request?	No	

SEWAGE INSPECTION REPORT

Inspection Images



#:

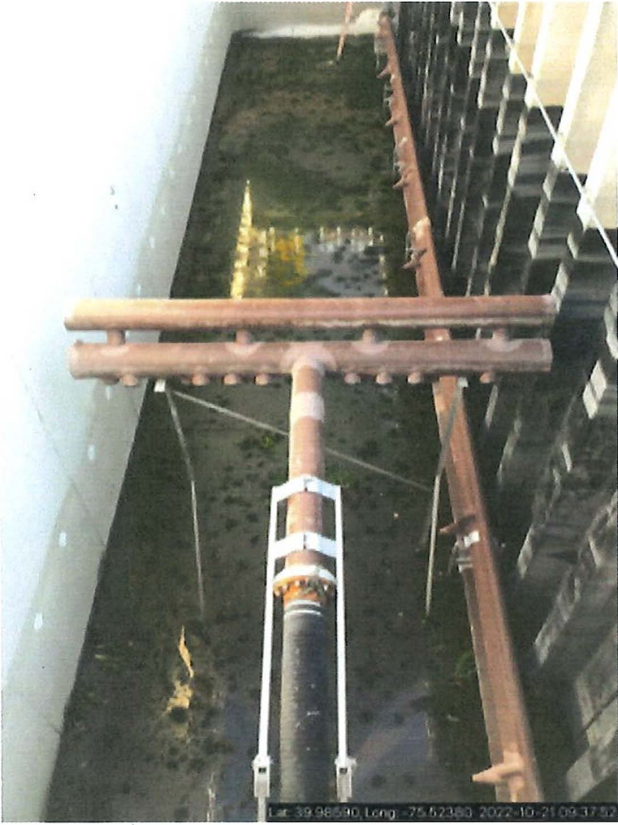
Description: Influent grinder



#:

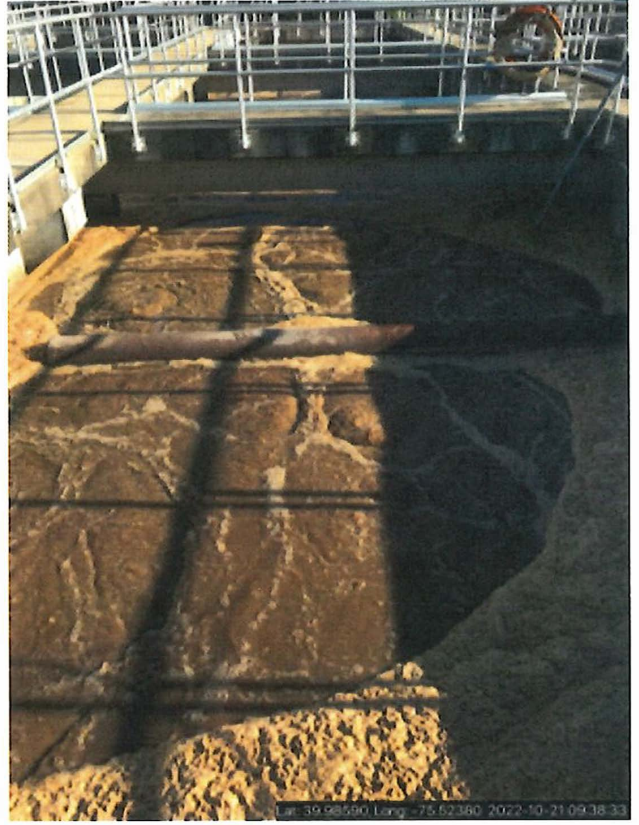
Description: Influent mechanical screen

SEWAGE INSPECTION REPORT



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Description: SBR 1



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Description: SBR 2

SEWAGE INSPECTION REPORT



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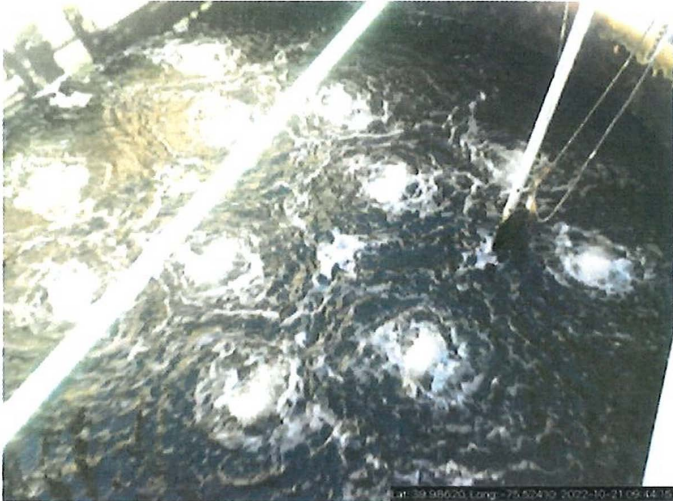
Description: SBR 3 - Settle



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Description: SBR 4 - Mix/fill

SEWAGE INSPECTION REPORT



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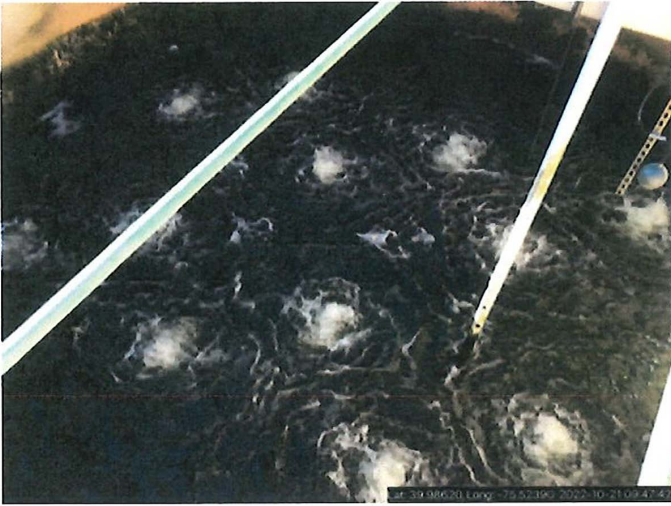
Description: Post aeration 1/ SBR decant



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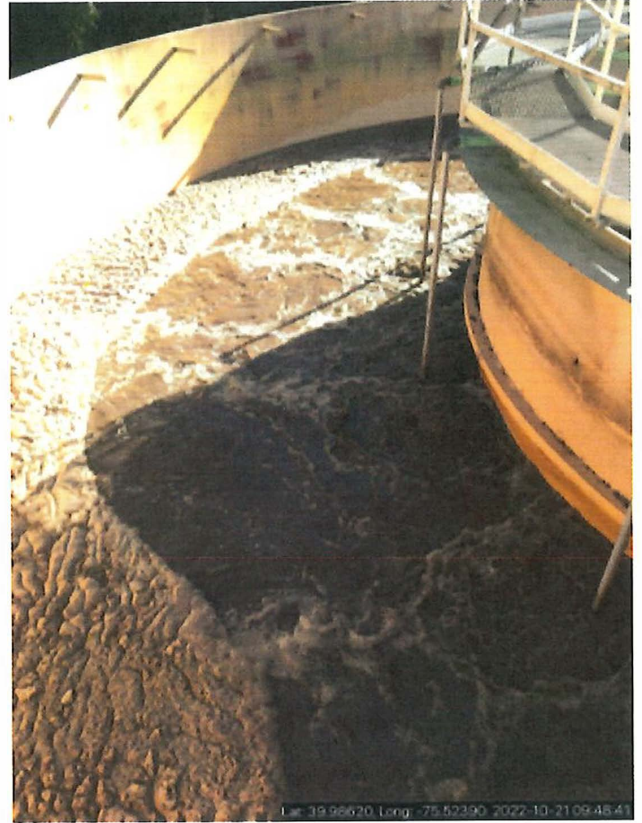
Description: Sludge holding 1

SEWAGE INSPECTION REPORT



#:

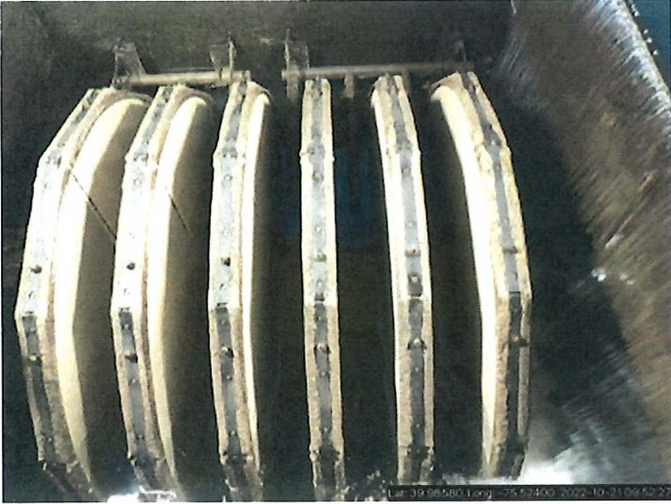
Description: Post aeration 2/ SBR decant



#:

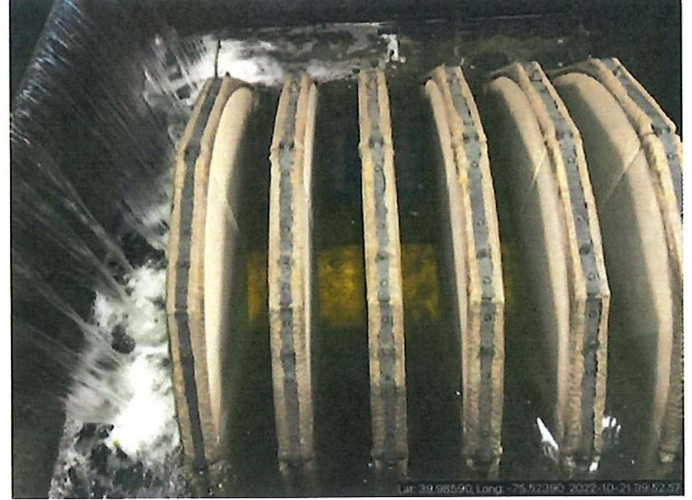
Description: Sludge holding 2

SEWAGE INSPECTION REPORT



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Description: Disc filter 1



#:

Description: Disc filter 2

SEWAGE INSPECTION REPORT



#:

Description: Head of UV



#:

Description: Final effluent

SEWAGE INSPECTION REPORT



#:

Description: Final effluent weir



#:

Description: Effluent stream

SEWAGE INSPECTION REPORT



#:

Description: Confluence of effluent stream with receiving stream



#:

Description: Downstream of confluence

SEWAGE INSPECTION REPORT



#:

Description: Upstream of confluence

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DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
October 10, 2022

6 The East Goshen Township Municipal Authority held their regular meeting on Monday,
7 October 10, 2022 at 7:00 pm. at the Township Building. Members in attendance are indicated in

8 **BOLD:**

9 **Walter Wujcik, Chairman**

10 Kevin Cummings, Vice Chairman

11 **Phil Mayer**

12 **Dana Pizarro**

13 **Jack Yahraes**

14 Also in attendance were: Mark Miller (Director of Public Works), Dave Ware (Director of
15 Finance), Mike Ellis (Pennoni representative), and Ellen Koopman (Attorney)

16
17
18 **COMMON ACRONYMS:**

19 *BFES – Big Fish Environmental Services*

20 *BOS – Board of Supervisors*

21 *CB – Conservancy Board*

22 *DEP – Department of Environmental Protection*

23 *EPA – Environmental protection Agency*

24 *HC – Historical Commission*

25 *I&I – Inflow & Infiltration*

26 *LCSTP – Lockwood Chase Sewer Treatment Plant*

MA- Municipal Authority

NPDES – National Pollutant Discharge Elimination System

PC – Planning Commission

PM – Prevention Maintenance

PR – Park & Recreation Board

RCSTP – Ridley Creek Sewer Treatment Plant

SBR – Sequencing Batch Reactor

SSO – Sanitary System Overflow

WAS – Waste Activated Sludge

27
28
29 **Call to Order & Pledge of Allegiance**

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

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

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

33
34 **Chairman's Report**

35 1. Walter sadly announced the resignation of Phil Mayer who is moving out of the township. This
36 will be his last meeting. Jack appreciated Phil's attendance to the West Goshen meetings and
37 presented him with a gold plunger!!!! Thanks Phil.

38 2. Dana reported that he met with Mark Miller and Dave Ware to make a plan about sustaining the
39 Municipal Authority and increasing rates. He will have the MA members review the article he will
40 have ready for the Spring Newsletter.

41
42
43 **SEWER REPORTS**

44 **1. Director of Public Works, Mark Miller's report for September 2022**

45 **Monthly Flows** – The average daily flow to West Goshen was 663,181 per day.

46
47 **Meters:** The meters were read on a daily basis. No problems to report.

1 **C.C. Collection:** The pumping stations were visited on a daily basis. Wet wells were washed down
2 along with the FOG rod.
3

4 **C.C. Interceptor:**
5

6 **R.C. Collection:** The pumping stations were visited on a daily basis and wet wells washed down.
7 We had a seal failure at the Hershey Mill Pump Station. The pump was pulled and taken down to
8 Deckmans for repair. The reported that moisture was seeping into the motor head. New seals were
9 put in and the impeller was replaced due to it being worn down. We had a problem with the alarm at
10 Hunt Country Pump Station. John Laidley made the repairs. We did some right of way clearing
11 behind Achom Way. We installed delineators on the manholes.
12
13

14 **Ridley Creek Plant:** We have been working on the Boardwalk out to the new meter pit. Lenni came
15 out and hung the cabinet. The conduit has been installed by the PWD. We should have the decking
16 complete next Tuesday. John Laidly is scheduled to install the meter on October 20th.
17

18 **Alarms:** We responded to 17 alarms for September.
19

20 **PA 1 Calls:** We responded to over 66 PA One Calls for the month of September.
21

22 **Monthly Rainfall:** 6.30 inches of rain for the month of September.
23

24 **Lateral Repairs or Caps:** We had eight cleanout repairs.
25
26

27 **2. Pennoni Engineer's Report dated October 7, 2022**
28

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

- 30 • Caustic Soda Conversion – The caustic tank and feed pumps have been delivered to the
31 Township's PW Garage. We are prepared to assist the PW Department with construction
32 layout for the concrete pad and installation work, if needed. We are also coordinating with
33 Pyrz (tank supplier) to finalize the PADEP tank permit application. The tank and feed system
34 can be installed, but the tank cannot be filled with chemical until the permit is issued
- 35 • UV Disinfection System – We previously completed our review of Glasco's shop drawings, and we are
36 working with the Township's controls integrator (John Laidley) and operator for input to finalize
37 "approval" comments beyond those we had provided in August. The system can then be fabricated
38 by Glasco. Glasco's lead time for the equipment is about 4 months following approval of submittals.
39 If final approval occurs in October, the equipment should be delivered in the February timeframe.

40 We are also continuing to prepare the bid documents and plans for the mechanical and
41 electrical construction. The schedule for bidding remains dependent on the notification of
42 awards for the Commonwealth Financing Authority (CFA) Local Share Account (LSA)
43 grants, which we tentatively understand is expected to occur in November. However, we
44 propose to hold off the mechanical and electrical solicitations based upon the aforementioned
45 UV system fabrication schedule and until after the LSA grant awards, as follows:

- 1 • Bid Advertisement – early December
- 2 • Bids Due – early January
- 3 • Award Consideration – January 9, 2023 at the Municipal Authority Meeting
- 4 • Generator #2 Replacement – We are continuing with design and coordination with vendors on
- 5 pricing for various size generators.

6 **Westtown Way Pump Station**

- 7 • No update since our last report.

8 **Sanitary Sewer Pipe Rehab**

- 9 • Supplee Valley – No activity since our last report. We will finalize an updated construction
- 10 scope and construction cost estimate for pipe lining the remainder of the asbestos cement
- 11 sewers in the neighborhood. We anticipate bidding the project in late 2022 with construction
- 12 in early 2023.
- 13 • Hershey’s Mill Estates – Since a LSA grant application was submitted for this project, construction
- 14 contracts cannot be awarded if/until the grant is “approved”. We thereby request authorization for
- 15 the following solicitation schedule, based upon the LSA grant award notifications occurring in
- 16 November before bids are due. If grant award notifications have not occurred by a week before bids
- 17 are due (by November 28), the bid deadline will be extended accordingly during the solicitation:
 - 18 • Bid Advertisements – October 31 and November 4
 - 19 • Pre-Bid Meeting – November 9 or 10
 - 20 • Bids Due – December 5
 - 21 • Award Consideration – December 12 at the Municipal Authority Meeting
- 22 • Ridley Creek Exposed Sewer Rehab – We conducted an emergency permit pre-application
- 23 phone meeting with PADEP for the proposed concrete encasement of the sewer main that is
- 24 exposed in the streambed, and we emailed requested project information to them for
- 25 consideration of emergency permit authorization. We have also finalized the full PADEP GP-
- 26 11 permit application for submission to PADEP upon their authorization. The emergency
- 27 authorization would require work be completed within 30 calendar days.

28 Hershey’s Mill Estates – Mike asked the MA members to okay his bid schedule as shown above.

29 Phil moved to allow Mike to advertise for bids for HME per his schedule. Jack seconded the motion.

30 The motion passed unanimously.

31 **I&I Program**

- 32 • No activity since our last report.

33 **New Connections**

- 34 • Sewer Extension Study – No activity since our last report.
- 35 • 1671 & 1681 Strasburg Road – We evaluated feasibility of a sewer service for a proposed
- 36 new house and barn, which would likely be a grinder pump and low pressure sewer pipe with
- 37 a crossing of the Ridley Creek and connection to the existing sewer main immediately
- 38 upstream of the RCSTP. We provided plan, permitting, and other connection requirements to
- 39 the Township for response to the property owner’s inquiry.

1 **Industrial Pretreatment Ordinance**

2 No activity since our last report. As discussed at the May 2021 MA meeting, a headworks study with
3 sampling at the RCSTP can be conducted to set contaminant limits
4
5

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

7 The Ridley Creek sewage treatment plant outfall 001 and 002 is anticipated to achieve compliance
8 with all effluent limitations regarding water quality for the month of September. All supplemental
9 reports were submitted for the month of August with the eDMR. Discharge to the Applebrook
10 irrigation lagoon remained in service. Chemical usage utilized for pH and total alkalinity remained
11 consistent with previous months. Aluminium sulfate solution volumes were slightly increased to a
12 daily average of 65.8 as compared to the previous month at 64.3 gpd to achieve phosphorus removal.
13 No significant mechanical or operational issues were observed during operation of sludge dewatering
14 equipment or SBR treatment process. Sludge dewatering continues to be increased to avoid potential
15 odors during the sludge holding tank decanting process. There were no odor complaints during the
16 month.
17

18 Walter reviewed the Big Fish report and noted that Table 1 and Table 4 may have some dates
19 missing. Also, there was mention on page 4 of snow!
20

21 **Approval of Minutes**

22 The minutes of the September 12, 2022 meeting were approved as amended.
23

24 **Approval of Invoices**

25 1. Phil moved to approve payment of the following Pennoni Invoices:

26 #1137796 \$ 4,566.00

27 #1137797 \$ 3,941.50

28 Dana seconded the motion. The motion passed unanimously.

29 2. Phil moved to approve the paid invoice of Exeter Supply #315639 in the amount of
30 \$118,975.50. This was for the pipe for Hershey's Mill. Jack seconded the motion. The motion
31 passed unanimously.
32

33 **Liaison Reports**

- 34 1. Conservancy Board -- Walter mentioned that the board has a meeting this week and will
35 discuss a location for their fall planting.
36
37

38 **Financial Reports**

39 1. September Financial Report - Dave Ware provided the following report:

40 In September 2022, the Municipal Authority recorded \$13,948 in revenues (primarily from Sewer
41 Capital Reserve transfers) and \$14,126 in expenses (Quarterly Administrative Wages, General
42 Engineering Services, Legal Services, and Capital expenditures at the Ridley Creek Sanitary
43 Treatment Plant), for a net result of operations of <\$178.00>. As of September 30, 2022 the fund
44 balance was \$5,413.

45 Dave mentioned that they have new financial software which improved the format of the reports. He
46 also mentioned that they are working on the 2023 budget which has a shortage of \$700k. He is
47 working to be ready for unexpected problems like Hershey's Mill Estates.

1 **Old Business**

2 None

3
4 **Goals**

5 Update the Hershey Mill Estate project.

6
7 **New Business**

8 **1. 1671 & 1681 E, Strasburg Road – Connors Residence Sewer Request-** Mark explained that Mrs.
9 Connors wants to build a house, a barn and a horse stable on this property and wants to connect to the
10 existing public sewer. Other properties in the area are on septic. Mike reviewed options for sewer
11 and estimated costs.

12
13 **Capacity Request -** None

14
15
16 **Any Other Matter**

- 17 1. Dana has approached the Rossmore HOA to get a right of way to replace his septic system.
18 2. After discussion of the letter from PMAA, Dave suggested putting a copy of it and the Facts and
19 Strategies for Combating Privatization of Municipal Authorities on the township website.

20
21 **Correspondence-** None

22
23 **Public Comment -** None

24
25
26 **Adjournment**

27 There being no further business Jack moved to adjourn the meeting. Phil seconded the motion. The
28 motion passed unanimously. The meeting was adjourned at 8:00 pm.
29 The next regular meeting will be held on Monday, November 14, 2022 at 7:00 pm.

30
31 Respectfully submitted,

32
33
34 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 : 1141259
Invoice Date : 10/20/2022
Project : EGMAU20004
Project Name : RCSTP Caustic Soda
Conversion

For Services Rendered Through 10/16/2022

Phase 01 - Prepared PADEP bulk tank permit application and coordinated with vendors for permit-required installation certification approach.

Phase 02 - Coordinated tank delivery with vendor and Township.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting	\$26,500.00	\$21,730.00	83.76%	\$22,196.28	\$466.28
02 -- Construction Phase Services	est. \$5,400.00	\$654.25		\$689.50	\$35.25
Total :	\$31,900.00	\$22,384.25		\$22,885.78	\$501.53

Phase: 02 -- Construction Phase Services

Labor Class	Hours	Rate	Amount
Authority Engineer	0.25	141.00	35.25
Labor			35.25
Phase Subtotal			\$35.25
Amount Due This Invoice			\$501.53

[Handwritten signature] 10/20/22

West Goshen RCSTP Caustic Soda Conversion
EGMAU20004 Invoice Summary
Invoice Date 10/20/2022

Project:	EGMAU20004		
Pennoni Job No.:	RCSTP Caustic Soda Conversion		
Invoice No:	1141259		
Invoice Period:	8/15/2022	to	10/2/2022
Initial Authorization:	\$ 31,900.00	Date:	10/20/2022
Contract Amount:	\$ 31,900.00		
Previously Invoiced:	\$ 22,384.25		
Current Invoice:	\$ 501.53		
Invoiced to Date (\$):	\$ 22,885.78		
Invoiced to Date (%):	72%		
Remaining Budget (\$):	\$ 9,014.22		
Remaining Budget (%):	28%		

Budget by Phase:

Phase Name:	RCSTP Caustic Soda Conversion		
Phase Budget:	\$ 31,900.00		
Previously Invoiced:	\$ 22,384.25		
Current Invoice:	\$ 501.53		
Invoiced to Date (\$):	\$ 22,885.78		
Invoiced to Date (%):	72%		
Remaining Budget (\$):	\$ 9,014.22		
Remaining Budget (%):	28%		

Comments: Phase 01 - Prepared PADEP bulk tank permit application and coordinated with vendors for permit-required installation certification approach.

Phase 02 - Coordinated tank delivery with vendor and Township.



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 : 1141260
Invoice Date : 10/20/2022
Project : EGMAU21004
Project Name : HM Estates Sewer
Design & Permitting

For Services Rendered Through 10/16/2022

Preparation of near-final plans and specifications.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
03 -- Survey	\$17,200.00	\$17,200.00	100.00%	\$17,200.00	\$0.00
04 -- Design	\$26,100.00	\$24,987.03	97.73%	\$25,506.35	\$519.32
05 -- Permitting	\$8,000.00	\$7,028.05	87.85%	\$7,028.05	\$0.00
06 -- Property Line Stakeout	est. \$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE \$10,000.00	\$6,271.25	62.71%	\$6,271.25	\$0.00
Total :	\$79,800.00	\$76,506.83		\$77,026.15	\$519.32

Amount Due This Invoice

\$519.32

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 10/20/2022

Project:	EGMAU21004		
Pennoni Job No.:	HM Estates Sewer Design & Permitting		
Invoice No:	1141260		
Invoice Period:	5/16/2022	to	10/2/2022
Initial Authorization:	\$ 64,800.00	Date:	10/20/2022
Contract Amount:	\$ 79,800.00		
Previously Invoiced:	\$ 76,506.83		
Current Invoice:	\$ 519.32		
Invoiced to Date (\$):	\$ 77,026.15		
Invoiced to Date (%):	97%		
Remaining Budget (\$):	\$ 2,773.85		
Remaining Budget (%):	3%		

Budget by Phase:

Phase Name:	HM Estates Sewer Design & Permitting		
Phase Budget:	\$ 79,800.00		
Previously Invoiced:	\$ 76,506.83		
Current Invoice:	\$ 519.32		
Invoiced to Date (\$):	\$ 77,026.15		
Invoiced to Date (%):	97%		
Remaining Budget (\$):	\$ 2,773.85		
Remaining Budget (%):	3%		

Comments: Preparation of near-final plans and specifications.



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 : 1141261
Invoice Date : 10/20/2022
Project : EGMAU22001
Project Name : 2022 General
Services

For Services Rendered Through 10/16/2022

October Engineer's Report. Prepared for and attended October's MA meeting including review of RCSTP operator's report.

Ridley Creek Sewer Main Concrete Encasement: Pre-application meeting for emergency permitting with PADEP, prepared and submitted emergency permit application package to PADEP, reviewed emergency permit approval from PADEP, pre-construction coordination with M. Miller, and and prepared full GP-11 permit application for submission in follow-up to emergency authorization.

Evaluated alternatives and feasibility of sewer connection for proposed house at 1671-1681 Strasburg Road.

Billing Limits	Current	Prior	To-Date
Total Billings	3,504.25	23,817.25	27,321.50
Limit			35,000.00
Remaining			7,678.50

Labor

	Hours	Rate	Amount
Authority Engineer	10.50	141.00	1,480.50
Associate Professional	.50	105.00	52.50
Graduate Professional	20.75	95.00	1,971.25
Totals	31.75		3,504.25
Total Labor			3,504.25

Total this Invoice \$3,504.25

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

2022 General Services
EGMAU22001 Invoice Summary
Invoice Date 10/20/2022

Project:	EGMAU22001		
Pennoni Job No.:	2022 General Services		
Invoice No:	1141261		
Invoice Period:	9/19/2022	to	10/2/2022
Initial Authorization:	\$ 35,000.00	Date:	10/20/2022
Contract Amount:	\$ 35,000.00		
Previously Invoiced:	\$ 23,817.25		
Current Invoice:	\$ 3,504.25		
Invoiced to Date (\$):	\$ 27,321.50		
Invoiced to Date (%):	78%		
Remaining Budget (\$):	\$ 7,678.50		
Remaining Budget (%):	22%		

Budget by Phase:

Phase Name:	2022 General Services		
Phase Budget:	\$ 35,000.00		
Previously Invoiced:	\$ 23,817.25		
Current Invoice:	\$ 3,504.25		
Invoiced to Date (\$):	\$ 27,321.50		
Invoiced to Date (%):	78%		
Remaining Budget (\$):	\$ 7,678.50		
Remaining Budget (%):	22%		

Comments: October Engineer's Report. Prepared for and attended October's MA meeting including review of RCSTP operator's report.

Ridley Creek Sewer Main Concrete Encasement: Pre-application meeting for emergency permitting with PADEP, prepared and submitted emergency permit application package to PADEP, reviewed emergency permit approval from PADEP, pre-construction coordination with M. Miller, and prepared full GP-11 permit application for submission in follow-up to emergency authorization.

Evaluated alternatives and feasibility of sewer connection for proposed house at 1671-1681 Strasburg Road.



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 : 1141262
Invoice Date : 10/20/2022
Project : EGMAU22004
Project Name : RCSTP UV
Replacement

For Services Rendered Through 10/16/2022

Continued preparation of plans for mechanical and electrical bid documents and initiated structural design for raising of concrete walls of UV channel.

Billing Limits	Current	Prior	To-Date
Total Billings	580.25	26,730.25	27,310.50
Limit			30,000.00
Remaining			2,689.50

Labor

	Hours	Rate	Amount
Senior Professional	1.00	134.00	134.00
Associate Professional	4.25	105.00	446.25
Totals	5.25		580.25
Total Labor			580.25

Total this Invoice \$580.25

Outstanding Invoices

Number	Date	Balance
1137797	9/28/2022	3,941.50
Total		3,941.50

RCSTP UV Replacement
EGMAU22004 Invoice Summary
Invoice Date 10/20/2022

Project:	EGMAU22004		
Pennoni Job No.:	RCSTP UV Replacement		
Invoice No:	1141262		
Invoice Period:	9/19/2022	to	10/2/2022
Initial Authorization:	\$ 30,000.00	Date:	10/20/2022
Contract Amount:	\$ 30,000.00		
Previously Invoiced:	\$ 26,730.25		
Current Invoice:	\$ 580.25		
Invoiced to Date (\$):	\$ 27,310.50		
Invoiced to Date (%):	91%		
Remaining Budget (\$):	\$ 2,689.50		
Remaining Budget (%):	9%		

Budget by Phase:

Phase Name:	RCSTP UV Replacement	1129796
Phase Budget:	\$ 30,000.00	
Previously Invoiced:	\$ 26,730.25	
Current Invoice:	\$ 580.25	
Invoiced to Date (\$):	\$ 27,310.50	
Invoiced to Date (%):	91%	
Remaining Budget (\$):	\$ 2,689.50	
Remaining Budget (%):	9%	

Comments: Continued preparation of plans for mechanical and electrical bid documents and initiated structural design for raising concrete walls of UV channel.

Excelsior Blower Systems, Inc.
 331 June Ave
 Blandon, PA 19510
 (610) 921-9558

Invoice Number: 0911231-IN
 Invoice Date: 8/26/2022

Order Number: 0087220
 Order Date: 8/25/2022
 Salesperson: WW01
 Customer Number: EAST055

COPY

Sold To:
 EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA 19380

Ship To:
 EAST GOSHEN TOWNSHIP
 1751 TOWNE DRIVE
 WEST CHESTER, PA 19380

Confirm To:
 MARK MILLER 610-692-7171

Phone No:
 610 - 692 - 7171

Customer P.O.	Ship VIA	Freight Terms	F.O.B.	Terms
MARK MILLER	EBS DELIVERY	PP & ALLOW	BLANDON, PA	NET 30 DAYS

Item Code	Unit	Ordered	Shipped	Back Ordered	Price	Amount
106-HF408-LHBD-CCW			HF408-LHBD CCW ROT, H'			
	EACH	1	1	0	5,221.00	5,221.00
S/N S652343						

APPROVED BY: MS *De Miller*
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 074291505

8/30/2022 REMIT TO: Excelsior Blower Sys
 331 June Ave BLANDON, PA 19510

Net Invoice: 5,221.00
 Less Discount: 0.00
 Freight: 0.00
 Sales Tax: 0.00
Invoice Total: \$ 5,221.00



A U.S. Electrical Services Inc. Company
 200 GARFIELD AVENUE
 WEST CHESTER PA 19380-4512
 610-719-9253 Fax

INVOICE

CUSTOMER NUMBER	SUB ACCOUNT #
117491	117491
INVOICE NUMBER	INVOICE DATE
S120860167.001	06/23/22
REMIT TO:	
US ELECTRICAL SERVICES, INC. PO BOX 412485 BOSTON MA 02241-2485	

APPROVED BY: WBS *10/12/22*
 DATE PAID: _____
 CHECK #: _____
 CHARGED TO: 074291505

BILL TO:

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER PA 19380-6107

SHIP TO:

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER PA 19380-6107

PAID
10/13

RCSTP

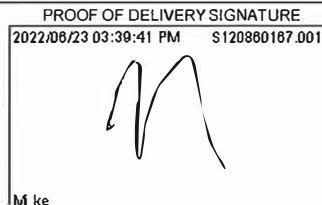
CUSTOMER PO #	JOB NAME / RELEASE #	ORDERED BY	SALESPERSON		
FLOW METER SERVICE			HOUSE ACCOUNT		
WRITER	SHIP VIA	TERMS	SHIP DATE	ORDER DATE	
DAVID A SMITH	WILL CALL	NET 15TH	06/23/22	06/16/22	
ORDER QTY	SHIP QTY	DESCRIPTION		UNIT PRICE	EXT PRICE
10ft	10ft	ORDER PICKED UP IN WEST CHESTER, PA - 19380-4512 BLINE B54SH-120GLV 13/16" X 1-5/8" X 10' 14GA 9/16" X 1-1/8" SLOTTED HOLES GALVANIZED		526.680 c	52.67
1ea	1ea	CH BR24L70RP 70A MLO AL-BUS 1PH 3W 120/240V 2-4 CIRCUITS NEMA3R LOADCENTER		60.850 ea	60.85
1ea	1ea	CH DS100H1 1" PLATE TYPE DISCONNECT HUB		20.880 ea	20.88
1ea	1ea	CH BR220 20A 2P PLUG-IN 120/240V 10KIC CIRCUIT BREAKER		18.950 ea	18.95
1ea	1ea	RACO 5386-0 1G DEEP WP BOX W/3 3/4HUBS GRAY		1428.770 c	14.29
1ea	1ea	TAYMAC MX3200 GRY METAL VERT IN USE COVER		1821.170 c	18.21
1ea	1ea	CWD TWRSGF20V 125V RECEPTACLE !! TAGGED ITEM !!		29.130 ea	29.13
1ea	1ea	CRS ST2 3/4" ZINC INSULATED MYERS HUB		549.060 c	5.49
4ea	4ea	ARL NMLT7 3/4" SNAP2IT NON-METALLIC CONNECTOR		216.460 c	8.66
8ea	8ea	BLINE N224-ZN 1/4 LONG SPRING NUT		317.880 c	25.43
5ft	5ft	NMLT 3/4" GRAY NON-METALLIC LIQUIDTITE 500' REEL		104.780 c	5.24



SAVE TIME AND MONEY WITH OUR FREE E-BILLING SERVICE
 Choose from three easy ways to receive your invoices: email, fax or Invoice Gateway, our secure online site. With Invoice Gateway, you are notified by email when new invoices are posted. You can search, sort, view, print, download and pay your bills on this site. With email and fax delivery, your invoices are sent once per day and you get an exact replica of your paper bill.
 Contact the Credit Department at 717-606-1317 and get set up today!

Invoice is due by 07/15/22.

For complete Terms & Conditions go to:
<https://tinyurl.com/Yale-Customer-TC>



Subtotal	259.80
Shipping Chgs	0.00
Tax	0.00
Payments	0.00
Amount Due	259.80

A US Electrical Company

Visit us at www.usesi.com

TO VIEW ONLINE GO TO: [HTTP://USESI.BILLTRUST.COM](http://usesi.billtrust.com) USE THIS ENROLLMENT TOKEN: VHD QLP SLM



Vendor # 1817

9/17/2022

DATE	INV. AMT.	1401.3000	1430.2330	1433.2450	1437.2460	1438.2450	7429.1505
8/22/2022	453.85			453.85			
8/22/2022	-25.69			-25.69			
8/22/2022	141.84					141.84	
8/23/2022	58.20						58.20
9/6/2022	245.63			245.63			
9/6/2022	-13.91			-13.91			
9/6/2022	160.55		160.55				
9/12/2022	40.00	40.00					
Total:	1,060.47	40.00	160.55	659.88	0.00	141.84	58.20

STREET SIGN POSTS
 CREDIT FOR TAX FOR ABOVE
 MAIL BOX REPLACEMENTS
 PARTS FOR RCSTP DECK/ NEW METER
 STREET SIGN POSTS
 CREDIT FOR TAX FOR ABOVE
 PARTS FOR TRUCK #8
 LATE PAYMENT

\$1,060.47

Approved: *[Signature]*
 Date Paid: _____
 Check #: _____
 Charged to SEE ABOVE DISTRIBUTION

Original Receipts on file.

PAID

LOWE'S HOME CENTERS, LLC
1250 CORNERSTONE BOULEVARD
DOWNTOWN, PA 19335 (610) 343-7000

- SALE -

SALES#: S1729HW1 1522029 TRANS#: 2273472 08-23-22

67359	1/2-IN X 12-IN GALV CARRG	48.00
4.68	DISCOUNT EACH	-0.68
12 @	4.00	
63449	GALV ROUND WASHER 1/2IN	4.68
0.42	DISCOUNT EACH	-0.03
12 @	0.39	
67342	HM 1-CT 1/2-IN 13 GALV HE	5.52
0.48	DISCOUNT EACH	-0.02
12 @	0.46	

RIDLEY DECK

SUBTOTAL:	58.20
TAX:	0.00
INVOICE 02137 TOTAL:	58.20
LCC:	58.20

TOTAL DISCOUNT: 8.76

LCC: XXXXXXXXXXXX9631 AMOUNT:58.20 AUTHCD: 001256
SWIPE REFID:975130 08/23/22 12:49:57
LBA/PO: N

STORE: 1729 TERMINAL: 02 08/23/22 12:50:32

OF ITEMS PURCHASED: 36

EXCLUDES FEES, SERVICES AND SPECIAL ORDER ITEMS

APPROVED BY: MJM

DATE PAID: _____

CHECK #: _____

CHARGED TO: 07429.1505

Ridley New Meter



THANK YOU FOR SHOPPING LOWE'S.
FOR DETAILS ON OUR RETURN POLICY, VISIT
LOWES.COM/RETURNS
A WRITTEN COPY OF THE RETURN POLICY IS AVAILABLE
AT OUR CUSTOMER SERVICE DESK

STORE MANAGER: ANUJ JAIE (AJ)

LOWE'S PRICE PROMISE
FOR MORE DETAILS, VISIT LOWES.COM/PRICEPROMISE

* SHARE YOUR FEEDBACK! *
* ENTER FOR A CHANCE TO BE *
* ONE OF FIVE \$500 WINNERS DRAWN MONTHLY! *
* ENTRE EN EL SORTEO MENSUAL *
* PARA SER UNO DE LOS CINCO GANADORES DE \$500! *
* *
* ENTER BY COMPLETING A SHORT SURVEY *
* WITHIN ONE WEEK AT: www.lowes.com/survey *
* YOUR ID #021372 172922 358083 *
* *
* NO PURCHASE NECESSARY TO ENTER OR WIN. *
* VOID WHERE PROHIBITED. MUST BE 18 OR OLDER TO ENTER. *
* OFFICIAL RULES & WINNERS AT: www.lowes.com/survey *

STORE: 1729 TERMINAL: 02 08/23/22 12:50:32

Memo

To: Municipal Authority
From: Dave Ware
Re: MA September 2022 Financial Report
Date: October 7, 2022

In October 2022, the Municipal Authority recorded \$133,719.84 in revenues (primarily from Sewer Capital Reserve transfers) and \$134,562.00 in expenses (General Engineering Services, Legal Services, Hershey's Mill Estates Sewer materials, and Capital expenditures at the Ridley Creek Sanitary Treatment Plant), for a net result of operations of (\$842.16). As of October 31, 2022, the fund balance was \$4,570.97.

A complete list of 2022 full year MA revenues and expenses is attached.

EAST GOSHEN TOWNSHIP
Municipal Authority Fund
October 2022

Account Id	Account Description	Annual Budget	Current YTD	Prior YTD
REVENUE				
07-341-1000	INTEREST EARNINGS	0.00	2.51	2.53
07-354-0400	DCED GRANT	152,980.00	0	0
07-364-1100	C.C. TAPPING FEES	2,000.00	2,300.00	2,060.00
07-364-1110	R.C.TAPPING FEES	2,000.00	1,493.52	11,508.00
07-364-1130	CONNECTION FEES - SEWER	1,000.00	563.76	1,127.52
07-380-1000	MISCELLANEOUS REVENUE	0.00	282.24	2,664.48
07-392-0500	TRANSFER FROM SEWER OPERATING	130,000.00	78,182.90	71,624.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	476,930.00	253,955.35	178,365.32
	Total Revenue	764,910.00	336,780.28	267,352.76
EXPENSES				
07-424-1400	ADMINISTRATIVE WAGES	30,529.00	25,116.15	23,135.82
07-424-3000	MISCELLANEOUS EXPENSE	1,500.00	1,665.25	1,518.25
07-424-3110	MUNIC.AUTH.-AUDITING	10,300.00	10,250.00	10,000.00
07-424-3130	ENGINEERING SERVICES	45,000.00	38,964.75	38,130.06
07-424-3140	LEGAL SERVICES	8,000.00	5,720.00	7,913.82
07-424-7440	R.C. CAPITAL-STP	315,000.00	0	0
07-424-7490	CAP.REPLACEMENT R.C.	41,400.00	0	-10,984.77
07-426-3001	RELINING	130,000.00	0	0
07-429-1501	BARKWAY PUMP STATION CAPITAL	0.00	2,215.00	5,117.00
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	0.00	11,493.05	30,324.00
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	0.00	148,365.67	75,352.79
07-429-1504	HUNT CO PUMP STATION CAPITAL	0.00	1,870.00	8,277.00
07-429-1505	RCSTP CAPITAL	46,897.00	97,955.95	65,925.98
07-429-6100	WEST GOSHEN CAPITAL	136,284.00	0	0
07-491-5001	BANK FEES	0.00	0	345.00
07-492-0100	TRANSFER TO GENERAL FUND	0.00	212.99	0
	Total Expenses	764,910.00	343,828.81	255,054.95
	Net Result From Operations	0.00	-7,048.53	12,297.81

Municipal Authority
YTD Revenues and Expenses thru 10/31/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-341-1000	INTEREST EARNINGS	01/31/22	Revenue Journal	INTEREST EARNED JANUARY 2022 07 FUND	0.19
07-341-1000	INTEREST EARNINGS	02/28/22	Revenue Journal	INTEREST EARNED FEBRUARY 2022 07100.1035	0.18
07-341-1000	INTEREST EARNINGS	03/31/22	Revenue Journal	INTEREST EARNED MARCH 2022 07 FUND	0.17
07-341-1000	INTEREST EARNINGS	04/30/22	Revenue Journal	INTEREST EARNED APRIL 2022 07100	0.15
07-341-1000	INTEREST EARNINGS	05/31/22	Revenue Journal	INTEREST EARNED MAY 2022 07 FUND	0.09
07-341-1000	INTEREST EARNINGS	06/30/22	Revenue Journal	INTEREST EARNED JUNE 2022 07 FUND	0.10
07-341-1000	INTEREST EARNINGS	07/31/22	Revenue Journal	INTEREST EARNED JULY 2022 07 FUND	0.42
07-341-1000	INTEREST EARNINGS	08/31/22	Revenue Journal	INTEREST EARNED AUGUST 2022	0.92
07-341-1000	INTEREST EARNINGS	09/30/22	Revenue Journal	INTEREST EARNED SEPTEMBER 2022	0.29
07-364-1100	C.C. TAPPING FEES	07/13/22	Revenue Journal	1344 MORSTEIN RD C.C. TAPPING FEES	2,000.00
07-364-1100	C.C. TAPPING FEES	07/13/22	Revenue Journal	1344 MORSTEIN RD C.C. TAPPING FEES	300.00
07-364-1110	R.C.TAPPING FEES	05/18/22	Revenue Journal	706 HEMLOCK HILL SEWER INSPECT R.C.TAPPI	300.00
07-364-1110	R.C.TAPPING FEES	08/01/22	Revenue Journal	TAP IN FEE 1577 COLONIAL R.C.TAPPING FEE	297.84
07-364-1110	R.C.TAPPING FEES	08/01/22	Revenue Journal	SEWER INSP FEE 1577 COLONIAL R.C.TAPPING	300.00
07-364-1110	R.C.TAPPING FEES	09/01/22	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1110	R.C.TAPPING FEES	10/03/22	Revenue Journal	1577 COLONIAL LN	297.84
07-364-1130	CONNECTION FEES - SEWER	02/02/22	Revenue Journal	STOFFLET, MICHAEL	423.00
07-364-1130	CONNECTION FEES - SEWER	02/02/22	Revenue Journal	ANNUAL PINK ROCK INSTALLMENT INTEREST PO	-141.12
07-364-1130	CONNECTION FEES - SEWER	08/18/22	Revenue Journal	PAPPANO, JOSEPH & PATRICIA	423.00
07-364-1130	CONNECTION FEES - SEWER	08/18/22	Revenue Journal	ANNUAL PINE ROCK INSTALLMENT INTEREST PO	-141.12
07-380-1000	MISCELLANEOUS REVENUE	02/02/22	Revenue Journal	ANNUAL PINK ROCK INSTALLMENT INTEREST PO	141.12
07-380-1000	MISCELLANEOUS REVENUE	08/18/22	Revenue Journal	ANNUAL PINE ROCK INSTALLMENT INTEREST PO	141.12
07-392-0500	TRANSFER FROM SEWER OPERATING	01/13/22	Revenue Journal	XFER \$ TO MA FROM SEWER & SEWER CAP.RE:	5,497.00
07-392-0500	TRANSFER FROM SEWER OPERATING	02/16/22	Revenue Journal	XFER \$ FROM 05 & 09 RE: JAN. 2022 MA EXP	6,324.50
07-392-0500	TRANSFER FROM SEWER OPERATING	03/08/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAPITAL TO MA	660.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/11/22	Revenue Journal	XFER \$ FROM 05 TO 07 MA AUTH.	360.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/18/22	Revenue Journal	XFER \$ FROM 05 TO 07 RE: 07 EXPENSES	7,000.00
07-392-0500	TRANSFER FROM SEWER OPERATING	03/30/22	Revenue Journal	XFER \$ FROM 05 TO 07 TO COVER MA EXPENSE	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	04/14/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA RE: APRIL EXPE	10,814.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/04/22	Revenue Journal	XFER \$ FROM 05 TO MA TO COVER EXPENSES	3,690.00
07-392-0500	TRANSFER FROM SEWER OPERATING	05/13/22	Revenue Journal	XFER \$ TO MA RE: MAY EXPENSES FROM 05 &	1,283.50
07-392-0500	TRANSFER FROM SEWER OPERATING	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	-1,283.50
07-392-0500	TRANSFER FROM SEWER OPERATING	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	5,302.50
07-392-0500	TRANSFER FROM SEWER OPERATING	06/16/22	Revenue Journal	XFER FUNDS TO MA FROM SEWER & SEWER CAPI	2,970.50
07-392-0500	TRANSFER FROM SEWER OPERATING	07/01/22	Revenue Journal	XFER \$ FROM 05 TO 07 TO COVER MA EXPENSE	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	07/13/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA AUTHORITY RE:	2,111.25
07-392-0500	TRANSFER FROM SEWER OPERATING	08/16/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAP. TO MA TO	920.00
07-392-0500	TRANSFER FROM SEWER OPERATING	09/13/22	Revenue Journal	XFER TO MA TO COVER AUG.EXPENSES	2,451.00

Municipal Authority
YTD Revenues and Expenses thru 10/31/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-392-0500	TRANSFER FROM SEWER OPERATING	09/30/22	Revenue Journal	XFER FR: 05 TO 07 RE: Q3 2022 CHGBACK	8,372.05
07-392-0500	TRANSFER FROM SEWER OPERATING	10/19/22	Revenue Journal	XFER FROM 05 TO COVER 07 EXPENSES	4,966.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	01/13/22	Revenue Journal	XFER \$ TO MA FROM SEWER & SEWER CAP.RE:	18,986.13
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	02/16/22	Revenue Journal	XFER \$ FROM 05 & 09 RE: JAN. 2022 MA EXP	1,217.25
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	03/08/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAPITAL TO MA	6,831.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	04/14/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA RE: APRIL EXPE	25,600.37
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	05/13/22	Revenue Journal	XFER \$ TO MA RE: MAY EXPENSES FROM 05 &	5,302.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	-5,302.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/07/22	Revenue Journal	CORRECT MA \$ XFER TRX 83370 5/13/22	1,283.50
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	06/16/22	Revenue Journal	XFER FUNDS TO MA FROM SEWER & SEWER CAPI	12,592.90
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/13/22	Revenue Journal	XFER \$ FROM 05 & 09 TO MA AUTHORITY RE:	21,785.60
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	07/28/22	Revenue Journal	XFER \$ FROM 09 TO 07 TO COVER 07 EXPENSE	16,131.57
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/16/22	Revenue Journal	XFER \$ FROM SEWER & SEWER CAP. TO MA TO	18,030.91
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	08/31/22	Revenue Journal	Xfer \$ from 09 to 07 for expenses	212.99
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/08/22	Revenue Journal	TRANSFER FROM 09 TO COVER 07 EXPENSES	545.94
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/13/22	Revenue Journal	XFER TO MA TO COVER AUG.EXPENSES	2,120.75
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	09/29/22	Revenue Journal	XFER FROM 09 TO 07 TO COVER EXPENSES	160.44
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/14/22	Revenue Journal	XFER \$ TO COVER 07 EXPENSES	318.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/19/22	Revenue Journal	XFER FROM 09 TO COVER 07 EXPENSES	122,917.00
07-392-0900	TRANSFER FROM SEWER CAP RESERVE	10/26/22	Revenue Journal	XFER FROM 09 TO 07 FOR MA EXPENSES	5,221.00
07-424-1400	ADMINISTRATIVE WAGES	03/30/22	Expd	EAST GOSHEN TOWNSHIP - GENERAL QTR.1 - 2	8372.05
07-424-1400	ADMINISTRATIVE WAGES	06/30/22	Expd	EAST GOSHEN TOWNSHIP - GENERAL QTR.2-202	8372.05
07-424-1400	ADMINISTRATIVE WAGES	09/30/22	Pay Check: 3356	22-00350 Q3 2022 MUNIC.AUTH CHARGEBACK	8372.05
07-424-3000	MISCELLANEOUS EXPENSE	01/13/22	Expd	PENNSYLVANIA MUNICIPAL AUTHORITIES ASSO	880.25
07-424-3000	MISCELLANEOUS EXPENSE	03/08/22	Expd	DELAWARE RIVER BASIN COMMISSION ANNL MON	660
07-424-3000	MISCELLANEOUS EXPENSE	06/30/22	Expd	PETTY CASH PA MUNIC. AUTH.WORKSHOP - W.W	125
07-424-3110	MUNIC.AUTH.-AUDITING	03/18/22	Expd	MAILLIE FALCONIERO & CO. MUNICIPAL AUTH.	7000
07-424-3110	MUNIC.AUTH.-AUDITING	05/03/22	Expd	MAILLIE FALCONIERO & CO. FINAL BILLING -	3250
07-424-3130	ENGINEERING SERVICES	01/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 12	4076.75
07-424-3130	ENGINEERING SERVICES	02/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 1/	5664.5
07-424-3130	ENGINEERING SERVICES	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	10814
07-424-3130	ENGINEERING SERVICES	05/12/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 4/	5302.5
07-424-3130	ENGINEERING SERVICES	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	2610.5
07-424-3130	ENGINEERING SERVICES	07/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 6/	1051.25
07-424-3130	ENGINEERING SERVICES	08/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 7/	3408.25
07-424-3130	ENGINEERING SERVICES	09/13/22	Pay Check: 3353	22-00112 SERV.THURU 8/14/22 GEN.SERV.	1471
07-424-3130	ENGINEERING SERVICES	10/18/22	Pay Check: 3362	22-00476 SERVICES THRU 9/18/22 GEN.SERV	4566

Municipal Authority
YTD Revenues and Expenses thru 10/31/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-424-3140	LEGAL SERVICES	01/13/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	540
07-424-3140	LEGAL SERVICES	02/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	660
07-424-3140	LEGAL SERVICES	03/11/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	360
07-424-3140	LEGAL SERVICES	05/04/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	440
07-424-3140	LEGAL SERVICES	06/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	360
07-424-3140	LEGAL SERVICES	07/13/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERVI	1060
07-424-3140	LEGAL SERVICES	08/16/22	Expd	GAWTHROP GREENWOOD & HALSTED LEGAL SERV.	920
07-424-3140	LEGAL SERVICES	09/13/22	Pay Check: 3352	22-00109 LEGAL SERV. JULY 2022 GEN.AUT	400
07-424-3140	LEGAL SERVICES	09/13/22	Pay Check: 3352	22-00110 LEGAL SERV. AUG.2022 GEN.AUTH	580
07-424-3140	LEGAL SERVICES	10/18/22	Pay Check: 3361	22-00475 LEGAL SERV. 9/2022 GEN.AUTH.	400
07-429-1501	BARKWAY PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. REBUILT HYDROM	2215
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	04/14/22	Expd	DECKMAN MOTOR & PUMP INC. 2 REBUILT FAIR	8632
07-429-1502	ASHBRIDGE PUMP STATION CAPITAL	06/16/22	Expd	COLONIAL ELECTRIC SUPPLY REPLACE DISCONN	2861.05
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. 2 - REBUILT HY	2709
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	JWC ENVIRONMENTAL MUFFIN MONSTER	11255.01
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	01/13/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 12	3852.69
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	02/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 1/	1217.25
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	03/08/22	Expd	KAPPE ASSOCIATES MAGNETIC FLOW METER	6831
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	03/17/22	Expd	JWC ENVIRONMENTAL VOID CK.#3301 - LOST I	-11255.01
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	03/17/22	Expd	JWC ENVIRONMENTAL REPLACEMENT CK.FOR 330	11255.01
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	3403.62
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	121.6
07-429-1503	HERSHEYS MILL PUMP STATION CAPITAL	10/18/22	Pay Check: 3360	22-00474 HME SEWER REPLACEMENT MATERIAL	118975.5
07-429-1504	HUNT CO PUMP STATION CAPITAL	01/13/22	Expd	DECKMAN MOTOR & PUMP INC. REBUILT HYDROM	1870
07-429-1505	RCSTP CAPITAL	04/14/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 3/	13564.75
07-429-1505	RCSTP CAPITAL	05/12/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 4/	1283.5
07-429-1505	RCSTP CAPITAL	06/16/22	Expd	PENNONI ASSOCIATES INC. SERV. THRU 5/15/	4005.25
07-429-1505	RCSTP CAPITAL	06/16/22	Expd	TELEDYNE INSTRUMENTS INC. ULTRASONIC FLO	5605
07-429-1505	RCSTP CAPITAL	07/13/22	Expd	COLONIAL ELECTRIC SUPPLY ELECTRICAL PART	3055.6
07-429-1505	RCSTP CAPITAL	07/13/22	Expd	TRACOM FIBERGLASS PRODUCTS FIBERGLASS MA	18730
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	EXETER SUPPLY COMPANY INC MAX-ADAPTERS-1	3010.68
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	LEC - LENNI ELECTRIC CORPORATION TROUBLE	6148.48
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	MAIN LINE CONCRETE 3 CYDS CONCRETE 4000	1638.3
07-429-1505	RCSTP CAPITAL	07/28/22	Expd	NEW ENTERPRISE STONE & LIME INC. 47.61 T	5334.11
07-429-1505	RCSTP CAPITAL	08/05/22	Expd	LOWES BUSINESS ACCOUNT/GECF TREATED LUMB	7034.29
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	EXETER SUPPLY COMPANY INC SEWER PVC PIPE	3292.35
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	FOLEY INC. EXCAVATOR, COUPLER & BUCKET R	5611
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	KNOX EQUIPMENT RENTALS INC. LIGHT BANK R	544.5

Municipal Authority
YTD Revenues and Expenses thru 10/31/2022

Account Number	Account Description	Date	Type	Transaction Data/Comment	Amount
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	MAIN LINE CONCRETE 3.5 YDS CONCRETE 4000	671
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	PENNONI ASSOCIATES INC. SERVICES THRU 7/	461.5
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	TRENCHTECH INC. SHORING TO INSTALL METER	3122.56
07-429-1505	RCSTP CAPITAL	08/16/22	Expd	YALE ELECTRIC SUPPLY CO ELECTRICAL PARTS	919.75
07-429-1505	RCSTP CAPITAL	09/07/22	Pay Check: 3350	22-00049 DECK SCREWS, ANCHORS PLUS	471.07
07-429-1505	RCSTP CAPITAL	09/07/22	Pay Check: 3350	22-00049 DOUBLE JOINT HANGERS & NAILS	74.87
07-429-1505	RCSTP CAPITAL	09/13/22	Pay Check: 3353	22-00111 SERV.THRU 8/14/22 RCSTP SODA	192.75
07-429-1505	RCSTP CAPITAL	09/13/22	Pay Check: 3353	22-00113 SERV.THRU 8/14/22 RCSTP UV	192.8
07-429-1505	RCSTP CAPITAL	09/19/22	Pay Check: 3354	22-00191 SELECT STUDS, QUIKRETE, JOIST.	475.7
07-429-1505	RCSTP CAPITAL	09/28/22	Pay Check: 3355	22-00297 DECK SCREENS & DRILL BITS	160.44
07-429-1505	RCSTP CAPITAL	10/11/22	Pay Check: 3357	22-00389 SKID STEER RENTL W/ATTACHMENTS	1140
07-429-1505	RCSTP CAPITAL	10/11/22	Pay Check: 3358	22-00404 PARTS FOR RCSTP DECK	58.2
07-429-1505	RCSTP CAPITAL	10/11/22	Pay Check: 3359	22-00449 ELECTRICAL PARTS RCSTP METER	259.8
07-429-1505	RCSTP CAPITAL	10/18/22	Pay Check: 3362	22-00477 SERV.THRU 9/18/22 RCSTP UV	3941.5
07-429-1505	RCSTP CAPITAL	10/25/22	Pay Check: 3363	22-00497 Heliflow 408 PD Blower	5221
07-492-0100	TRANSFER TO GENERAL FUND	08/31/22	Expd	Reimburse 01 for 07 cred.card expense	212.99

Account Title	Acct #	2021 Actual	2022 Budget	2022 Projection	2023 Proposed Budget	\$ Increase (vs '22 Proj)	% Increase
MUNICIPAL AUTHORITY, PROPOSED 2023 BUDGET							
ESTIMATED BEGINNING FUND BALANCE		6,372	11,619	11,619	934		
REVENUE							
INTEREST EARNINGS	07341 1000	3	-	1	-	(1)	-100.0%
INTEREST EARNED - CONSTRUCTION	07341 1020	-	-	-	-	-	
DCED GRANT	07354 0400	-	152,980	-	152,980	152,980	
C.C. TAPPING FEES	07364 1100	2,060	2,000	2,300	2,300	-	0.0%
R.C.TAPPING FEES	07364 1110	11,508	2,000	2,000	2,000	-	0.0%
CONNECTION FEES - SEWER	07364 1130	3,368	1,000	1,000	1,000	-	0.0%
MISCELLANEOUS REVENUE (PINE ROCK)	07380 1000	2,664	-	282	282	-	0.0%
TRANSFER FROM GENERAL ACCT	07392 0100	-	-	-	-	-	
TRANSFER FROM SEWER OPERATING	07392 0500	90,338	130,000	130,000	100,000	(30,000)	-23.1%
TRANSFER FROM SEWER CAP RESV	07392 0501	-	-	-	-	-	
TRANSFER FROM SEWER CAP RESERVE	07392 0900	179,592	476,930	476,930	1,471,553	994,623	208.5%
TOTAL REVENUE		289,534	764,910	612,514	1,730,115	1,117,602	182.5%
EXPENSES							
ADMINISTRATIVE WAGES	07424 1400	30,920	30,529	30,529	32,055	1,526	5.0%
MISCELLANEOUS EXPENSE	07424 3000	1,693	1,500	1,665	1,749	83	5.0%
MUNIC.AUTH.-AUDITING	07424 3110	10,000	10,300	10,300	10,815	515	5.0%
ENGINEERING SERVICES	07424 3130	55,389	45,000	45,000	47,250	2,250	5.0%
LEGAL SERVICES	07424 3140	9,194	8,000	8,000	8,400	400	5.0%
R.C. CAPITAL-STP	07424 7440	-	315,000	162,020	355,793	193,773	119.6%
CAP.REPLACEMENT R.C.	07424 7490	(10,985)	41,400	41,400	488,847	447,447	1080.8%
HERSHEY MILL STATION - ENGINEER	07426 1000	-	-	-	-	-	
TALLMADGE DRIVE	07426 3000	-	-	-	-	-	
RELINING	07426 3001	-	130,000	130,000	260,000	130,000	100.0%
RESERVOIR PUMP STATION - ENGINEER	07428 1000	-	-	-	-	-	
BARKWAY PUMP STATION CAPITAL	07429 1501	5,117	-	2,215	-	(2,215)	-100.0%
ASHBRIDGE PUMP STATION CAPITAL	07429 1502	30,324	-	11,493	-	-	
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503	76,693	-	29,390	78,000	48,610	165.4%
HUNT CO PUMP STATION CAPITAL	07429 1504	8,277	-	1,870	-	(1,870)	-100.0%
RCSTP CAPITAL	07429 1505	67,251	46,897	84,033	260,000	175,967	209.4%
WEST GOSHEN CAPITAL	07429 6100	-	136,284	65,284	187,206	121,922	186.8%
Bank Fees	07491 5001	414	-	-	-	-	
TRANSFER TO GENERAL FUND	07492 0100	-	-	-	-	-	
TOTAL EXPENSES		284,287	764,910	623,199	1,730,115	1,106,916	177.6%
NET RESULT FROM OPERATIONS		5,247	-	(10,686)	0		
ESTIMATED ENDING FUND BALANCE		11,619	11,619	934	934		

2023-2027 Capital Improvement Program



Hershey's Mill Estates Sewer, Milltown Dam, & WG STP

Category	2023	2024	2025	2026	2027
Milltown Dam	\$ 2,563,170.00	\$ 1,670,900			
Hershey Mill Estates Sewer	\$ 488,846.72				
Bow Tree Pond I	\$ 500,000				
West Goshen Sanitary Treatment Plant Improvements (Including Westtown Way Pump Station)	\$ 573,703.74	\$ 68,217	\$ 12,503	\$ 35,478	\$ 49,039
Total	\$ 4,125,720.46	\$ 1,739,117	\$ 12,503	\$ 35,478	\$ 49,039

Category	2023	2024	2025	2026	2027
Capital Reserve Fund	\$ 1,347,283	\$ 555,900			
Sewer Capital Reserve Fund	\$ 676,053	\$ 68,217	\$ 12,503	\$ 35,478	\$ 49,039
Grants		\$ 915,000			
Series 2017 Bonds	\$ 1,602,385	\$ 200,000			
Infrastructure Sustainability Fund	\$ 500,000				
Total	\$ 4,125,720.46	\$ 1,739,117	\$ 12,503	\$ 35,478	\$ 49,039

Notes:

- Assumes that ½ of Milltown Mill Dam work occurs in 2023, ½ in 2024.
- Hershey's Mill Estates Sewer Rehabilitation starts in 2022.

2023-2027 Capital Improvement Program



Sewer Capital Maintenance (RC STP & Pump Stations) (Except West Goshen Upgrades & HM Estates)

Category	2023	2024	2025	2026	2027
Hunt Country/HM Lift Station Pump Replacement		\$ 20,000	\$ 20,000		
Hunt Country P/S Mag Meter		\$ 15,000			
Hunt Country P/S Muffin Monster		\$ 67,000			
Hunt Country P/S Bypass Pump		\$ 5,000			
Relining AC sewer lines and brick manholes	\$ 260,000	\$ 130,000	\$ 130,000	\$ 130,000	\$ 130,000
Ridley Creek STP rebuild 2 SBR pumps	\$ 25,000				
Ridley Creek STP rebuild 2 Sludge pumps	\$ 10,000				
Ridley Creek STP New Media for filters	\$ 18,000				
Ridley Creek STP replace generator	\$ 225,000				
Ridley Creek STP Collection Flow Meter	\$ 24,000				
Ridley Creek STP Caustic Soda Project*	\$ 47,500				
Ridley Creek STP Filter Feed Pump**	\$ 18,000	\$ 18,000	\$ 26,000	\$ 18,000	\$ 18,000
Ridley Creek STP Blower Replacement	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000	\$ 9,000
Ridley Creek STP UV System	\$ 150,000				
Chester Creek Coll manhole lining (Eastwick Circle) for 5 manholes	\$ 50,000				
Chester Creek Coll HM Pumpstation upgrade	\$ 78,000				
Chester Creek Coll Muffin Monster swap out	\$ 18,000		\$ 18,000		\$ 18,000
Total	\$ 932,500	\$ 264,000	\$ 203,000	\$ 157,000	\$ 175,000

Category	2023	2024	2025	2026	2027
Capital Reserve Fund					
Sewer Capital Reserve Fund	\$ 885,000	\$ 264,000	\$ 203,000	\$ 157,000	\$ 175,000
Grants	\$ 47,500				
Series 2017 Bonds					
Infrastructure Sustainability Fund					
Total	\$ 932,500	\$ 264,000	\$ 203,000	\$ 157,000	\$ 175,000

* DCED has awarded MA \$152,980 grant for Caustic Soda project.

** 2025 Filter Feed Pump is for centrifuge rebuild.

Sue Smith

From: Michael Ellis <MEllis@Pennoni.com>
Sent: Wednesday, November 9, 2022 10:58 AM
To: Mark Miller; David Ware
Cc: Derek Davis; Sue Smith
Subject: HME Sewer Replacement - Bid Phase Services
Attachments: Hershey's Mill Estates Sewer Replacement Proposal.pdf

Hi Mark and Dave,

We have completed the approved design scope of work for the subject project and have moved into the bid phase. The MA's authorization for Pennoni services based on the attached 2/5/2021 proposal was for Tasks 1-5 (design through permitting). They wanted to wait to authorize bid phase services until design was completed.

We request the MA authorize bid phase services per the attached proposal at Monday's meeting. Now that design conditions are known, we expect comments and associated plan and bid modifications / addenda based on contractors' input during the pre-bid meeting and through bid phase questions. We therefore recommend budgeting \$7,500, instead of the \$5,000 in the 2021 proposal, to be conservative. The work will be performed on a Time & Materials basis at our approved hourly rates.

Please call or email with any questions.

Thanks!
Mike

Michael Ellis, PE
Municipal Division Manager

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



[Don't just work. Make an impact](#)



Christiana Executive Campus
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F: 302-654-2895
www.pennoni.com

February 5, 2021

EGMAU21004P

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

RE: Proposal for Hershey's Mill Estates Sewer Replacement

Dear Mr. Smith:

Pennoni Associates Inc. (Pennoni) is pleased to submit the following proposal to the East Goshen Municipal Authority for design, permitting, and surveying services for the proposed Hershey's Mill Estates sanitary sewer replacement.

PROJECT UNDERSTANDING

Pennoni provided a condition assessment letter, dated January 8, 2021, regarding the sanitary sewer conditions from Tanglewood Drive to Greenhill Road in Hershey's Mill Estates. It was recommended that approximately 2,700 LF of 8-inch sanitary sewers from manhole R084 to R070 be replaced to address the pipe settlement, collapse, clogging, back-ups, and maintenance problems. The existing manholes are intended to be re-used to the maximum extent possible to minimize cost and disturbance. The pipe runs are intended to be replaced in the same location and elevation as they are now, with the exception of the piping through the tennis court and the Manhole R083 sewers as described hereafter. Manhole R082A and its associated piping located under the existing tennis court will be abandoned-in-place with new piping and manholes constructed around the perimeter of the tennis court to avoid reconstruction of the tennis courts and to facilitate future access for sewer maintenance. This new piping is expected to require approximately four new manholes.

A waterways permit pre-application meeting was conducted with PADEP and the U.S. Army Corps of Engineers on January 21, 2021. In order to minimize permitting through PADEP's General Permitting process, it was determined that Manhole R083, which is currently exposed in the stream channel, should be abandoned-in-place. A replacement manhole will be installed away from the stream as part of the project. Otherwise, the stream will need to be relocated to permanently protect the manhole, which will trigger individual USACE permitting.

The scope of this proposal is to investigate and delineate wetlands, perform a bog turtle habitat assessment, conduct a field survey, prepare design plans and bid documents, prepare permit applications, and provide bid assistance.

SCOPE OF SERVICES

1. Wetland and Watercourse Investigation

Pennoni will complete a wetland and watercourse investigation of the project area for permitting purposes. Pennoni will investigate the entire proposed Limit of Disturbance, which for the purposes of this scope of work will encompass 25 feet on either side of the center line of the existing sewer line.

The purpose of the field investigation will be to determine the presence or absence of freshwater wetlands and/or "Waters of the United States and Commonwealth" within the project limits. Waters of the United States and Commonwealth include lakes, ponds, reservoirs, swamps, marshes, wetlands, rivers and/or streams (including intermittent streams). Pennoni will evaluate the project area based upon the three-parameter approach enumerated in the US Army Corps of Engineers (USACE) Wetland Delineation Manual, Technical Report Y-87-1 (1987) and USACE Regional Supplement to the Corps of Engineers Wetland Delineation Manual: Eastern Mountains and Piedmont Region – Version 2.0 (April 2012).

Flags will be set at the boundaries of wetlands and at the ordinary high water level of the stream. Flags and data points will be spatially located by Pennoni in Task #3 "Survey". The located wetland flags, data points, photo locations, and other applicable notes and/or map legends will be included in the project plans.

At the completion of the fieldwork, a Findings Letter will be prepared and will include a review of published resource materials, existing site conditions, and the results of the field investigation. The watercourse information will also be incorporated into the Findings Letter. Pennoni will provide one electronic draft copy of the Findings Letter to the Client for review and comment. Comments will be addressed, and a final report will be issued to the Client.

Pennoni will not be responsible for completion of Jurisdictional Determination and/or Functional Assessment of the identified wetlands and watercourses. If it is determined that these services are required, a separate proposal will be prepared and submitted to the Client for review and approval prior to the commencement of work.

2. Phase 1 Bog Turtle Habitat Assessment

According to the Pennsylvania Natural Diversity Inventory (PNDI) website search for the project, the project area contains a potential impact under the US Fish and Wildlife Service (USFWS) associated with the potential presence of bog turtles. As such, Pennoni will conduct a Phase I Bog Turtle Habitat Assessment project area within 300 feet of the proposed Limit of Disturbance to determine if potential Bog Turtle Habitat is present. Habitat Assessment forms will be completed, and a summary report will be prepared and submitted to the USFWS.

This task includes the completion of a Phase I Bog Turtle Habitat Assessment but does not include a Phase II Bog Turtle study. If it is determined that a Phase II Bog Turtle study is required, a separate proposal will be prepared and submitted to the Client for review and approval prior to the commencement of work.

3. Survey

Pennoni will perform an existing conditions and topographic survey. The survey will include the elevations and locations of existing manholes from R084 to R070, the top of the bank and bottom of the stream elevations and locations, and the existing conditions 25 feet on either side of the centerline of the existing sanitary sewers, or to the top of the stream bank for areas where the stream is closer than 25 feet. Additionally, the location and elevation of existing manholes R147 to R082A will be surveyed.

4. Design

Pennoni will perform a visual condition assessment of the manholes to evaluate suitability for re-use. We will prepare a design to re-route the sewer around the tennis court as well as to install a new Manhole

R083 in a location further away from the stream. Other sewers will be replaced in their exact same location and depth in order to tie-in to existing manholes.

We will prepare a plan set consisting of a cover sheet, site plans, proposed sewer profiles, erosion and sediment (E&S) control plans, E&S details and notes, and construction details and notes. The plans will provide for reconstruction of the approximately 2,700 LF of Poor and Fair sewers from our condition assessment report in one construction project. We anticipate the site plans will depict both existing and proposed conditions on the same sheet(s). They will show the existing field conditions, the location and elevations of the existing and proposed sewers, and the relocation/demolition/abandonment of existing features located within the site.

We will also prepare technical specifications, bid form and bid document, and an engineer's opinion of probable construction cost.

We will make two submissions to East Goshen Township for review – a progress submission consisting of draft plans and a draft cost opinion, and a final submission consisting of plans, bid document, and cost opinion. The documents will be revised to address comments. We will meet in-person with the Township to review each submission. We will also attend two additional field scoping/review meetings.

5. Permitting

Pennoni will prepare and submit the following permit applications:

- PADEP General Permit 8 "Temporary Road Crossings" with a PASPGP-5 for USACE authorization
- PADEP General Permit 11 "Maintenance, Testing, Repair, Rehabilitation or Replacement of Water Obstructions and Encroachments" for the Ridley Creek Tributary
- Chester County Conservation District (CCCD) Erosion & Sedimentation Pollution Control review

We expect that no federal permitting will be required based upon the permit pre-application meeting with PADEP and USACE. We also assume that the Township will pay all permit application fees. Should any additional permitting, such as bog turtle impacts or wetlands remediation, become necessary during the course of the project, we will submit a separate proposal for such supplemental work.

6. Bid Assistance

Pennoni will provide construction bid assistance services consisting of attendance at one pre-bid meeting on-site, issuance of addenda, response to questions from prospective bidders, review of bids, and recommendation for construction contract award.

Bid assistance work will be billed on a Time and Materials basis per our annual hourly rate schedule. The estimated budget is based upon 44 hours of bid assistance.

DELIVERABLES

Deliverables include a design plan set, relevant permit applications, and bid documents.

SCHEDULE

Performance of services will commence upon receipt of Notice to Proceed (NTP). We anticipate Tasks 1-3 can be completed within 3-4 weeks of NTP, with a progress design submission approximately 3 weeks thereafter.

We propose a review meeting with the Township the following week, and the final design and permit applications to be completed 3-4 weeks thereafter, assuming receipt of bog turtle submission comments from USFWS during that period. The permit applications are therefore projected to occur approximately 11-12 week from NTP. Based upon a start date of February 9, 2021, the permit applications would occur in early May.

PADEP and CCCD are expected to take 90-120 days to review the permits, which would be August-September 2021. The project may be able to be bid during the permitting process to accelerate the construction timeframe.

We will seek opportunities to accelerate the schedule and permitting in an effort to bid the project in early summer for construction in summer-fall 2021.

FEE

Pennoni will provide the above referenced scope of services for Tasks 1 through 5 on a lump sum basis. Task 6 will be provided on a time and materials basis, to be billed at the Authority's approved rates for Pennoni for the calendar year in which work is performed for a fee not to exceed the amount listed in the table below without prior approval. A breakdown of fees follows:

TASK	DESCRIPTION	FEE	
1	Wetland and Watercourse Investigation	\$6,750.00	Lump Sum
2	Phase I Bog Turtle Habitat Assessment	\$6,750.00	Lump Sum
3	Survey	\$17,200.00	Lump Sum
4	Design	\$26,100.00	Lump Sum
5	Permitting	\$8,000.00	Lump Sum
LUMP SUM FEE (Tasks 1-5)		\$64,800.00	
6	Bid Assistance	\$5,000.00	T&M (Estimated)
TOTAL ESTIMATED FEE		\$69,800.00	

BILLING AND PAYMENT

Invoices will be submitted monthly. Payment is due within 30 days of invoicing.

Thank you for the opportunity to provide our professional services to East Goshen Municipal Authority. If you wish to discuss any of the above, please do not hesitate to contact Mike Ellis at 302-351-5236 or mellis@pennoni.com.

If this proposal is acceptable, please execute by signing and returning a copy to this office to serve as our Notice to Proceed.

Respectfully submitted,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Authority Engineer

ACCEPTED BY:

Rick Smith, Township Manager
East Goshen Municipal Authority

DATE:

Memorandum

East Goshen Township
1580 Paoli Pike
West Chester, PA 19380
Voice: 610-692-7171
Fax: 610-692-8950
E-mail: dbrady@eastgoshen.org

Planning Commission Plan Review Request

Date: 10-22-2022
To: Mark Miller
From: Duane J. Brady Sr., Township Zoning Officer
Re: 14 Reservoir Road SD / Residential Lot

Dear Municipal Authority,

The Township has received a Subdivision Plan for 14 Reservoir Road West Chester, PA 19380.


The proposal is to create a second residential lot on the existing property.

Things to note:

- Existing single-family residential lot on 2-acre lot is to be subdivided into 2 lots.
- The existing dwelling and structures (In-ground pool, shed, and detached garage will remain, and the lot will be reduced to approximately 1.2 acres (48,560 square feet).
- Township bulk zoning requirements will be maintained.
- A new lot will be created with a leg access to the new dwelling.
- A new single-family residence is proposed to be 2,500 to 3,000 square feet.
- The new lot will be approximately 0.8 acres (34,460 square feet).
- The new lot will be a flag lot with a flagpole section variance by the Zoning Hearing Board. The variance changed the pole portion from 40 feet to 24 feet wide.

If your committee wants to review the project, please confirm by emailing me at dbrady@eastgoshen.org

Thank you,


Duane J. Brady Sr.
East Goshen Township
Zoning Officer

October 5, 2022

Subject: 2023 Authority Membership Dues Schedule

Authority Member

Dear PMAA Member:

As you know, for nearly 80 years, the Pennsylvania Municipal Authorities Association has been the primary voice of our Commonwealth's public water, wastewater, solid waste, recreation and community-based services. The Association represents the interests of over 700 member municipal authorities who collectively provide vital services to six million Pennsylvania citizens.

Over the years, PMAA has been at the forefront on important legislative and regulatory issues including:

- Drinking water protection and wastewater treatment standards
- Water and wastewater infrastructure sustainability
- Establishment and comprehensive development of tapping fees
- Operator certification criteria and procedures
- Issues such as nutrient negotiations and agreements
- Prevention of PUC oversight

In recent years, government relations advocacy accomplished bidding threshold increase, stormwater management powers, eminent domain code cost limitations, and protection of authority monies.

Currently, PMAA has been involved with protections against overt attempts to create pathways to privatization. The Association stands strongly in promoting and maintaining the authority model of service delivery for the citizens of the Commonwealth.

Additionally, PMAA provides legal advocacy in court cases with significant statewide implications. Educational outreach, magazine, newsletter, website, and other publications and electronic communications are provided, as well as, a wide variety of endorsed member programs.

With PMAA representing your interests, your membership ensures that no one authority has to face all the challenges of authority management alone.

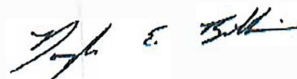
To maintain our effectiveness as an advocate for Pennsylvania authorities, we need your continued support. The attached 2023 dues schedule represents an adjustment (an average annualized adjustment of 2% since the last change in 2016) allowing PMAA to continue to be the strongest voice for authorities.

Thank you for the trust you have in your Association.

Sincerely,



Melissa Komar
President



Douglas E. Bilheimer
Executive Director

2023 PMAA ACTIVE AUTHORITY
MEMBER DUES SCHEDULE

Active Membership/Operating: Calculated at the rate of one mil on each dollar of the previous fiscal year's gross revenues of its project(s), up to \$1.6 million in gross revenue annually, plus \$100 (administrative fee).

Minimum dues are \$200. Calculated on a base of less than or equal to \$100,000 of gross revenue, plus \$100 (administrative fee)

Dues categories with gross revenue exceeding \$1.6 million are established as follows:

- 1.6–2 million \$2,400
- 2 – 3 million \$2,500
- 3 – 5 million \$2,600
- 5 – 10 million \$2,700
- 10 – 20 million \$2,800
- Over 20 million \$2,950

Active Membership/Leaseback: Calculated at the rate of one mil on each dollar of lease rental. The minimum dues are \$200, and the maximum dues are \$1,200 (capped at \$1,100,000 in lease revenue, plus \$100 administrative fee).