

EAST GOSHEN MUNICIPAL AUTHORITY

April 11, 2022

7:00 PM

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

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

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

4. APPROVAL OF MINUTES

- a. March 14, 2022

5. APPROVAL OF INVOICES

Pennoni Invoice #1113816	\$ 3,403.62
Pennoni Invoice #1113817	\$ 4,156.75
Pennoni Invoice #1113818	\$ 6,657.25
Pennoni Invoice #1113819	\$ 13,564.75
Maillie Invoice #1000120865	\$ 7,000.00 paid 3/18

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. March Financial Report

8. OLD BUSINESS

- a. Sewer Extension Study
- b. Kevin Cummings was reappointed for another 5 year term on the Municipal Authority by the Board of Supervisors on January 3, 2022.
- c. Dana Pizarro was reappointed for another 5 year term on the Municipal Authority by the Board of Supervisors on January 3, 2022.
- d. Mark Miller signed the Glasco UV system proposal in the amount of \$134,985.00
- e. Maillie audit of financial statements
- f. Hershey Mill Trunk Line permit application- Chester County Response Letter

9. 2021 Goals:

Goal	Status
Ridley Creek Plant Compliance	January, February & March were in compliance and met all requirements.
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	Mike Ellis is vetting the suppliers
Replace sewer line Hershey Mill Estate trunk line replacement	Engineer will bring you up to date under old business. Public Works dug test holes for Pennoni 12-6-2021
Hunt Country Pump Station Mag Meter	On Hold
Hunt Country Pump Station Muffin Monster Replacement	On Hold
Hunt Country Pump Station Bypass Pump	On Hold
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 and manhole have been ordered (Delivery 3 months)

10. NEW BUSINESS

- a. Grinder Pump Agreement – 1506 Meadowbrook Dr. (Lot 1) 706 Hemlock Hill Lane
53-4-23.4
- b. Ridley Creek Caustic Soda – Polyethylene Tank and pump pricing need approval
- c. Pulse feeder pumps – needs approval

11. CAPACITY REQUESTS

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

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

To: Municipal Authority
From: Mark Miller
Re: April 11, 2022 Monthly Report

Monthly Flows: The average daily flow to West Goshen in March was 680.597 per day.

Meters: The meters were read on a daily basis. The meters were calibrated on March 28th, no adjustments were needed. It was noted that two of the control cabinets needed to be replaced. I ordered two new cabinets which Lenni Electric will replace. We had a problem with the Hicks meter, we found that the wiring was shorted out and not working. Lenni was notified and replaced the wiring, the meter is working again.

C.C. Collection: The pump stations were visited on a daily basis, the wet wells were cleaned. The contractor has started installing the cameras at each of the stations. We have the capability to see the control panels to determine the problem. We were notified of a problem with a lateral on Barker Drive, however, looking at the line it was determined the problem was the homeowners not the Township. We had several trees that came down in the right of ways which we cut up and removed.

R.C. Collection: The stations were checked on a daily basis, routine maintenance was performed. Cameras were installed as well. While tending to a downed tree on East Boot Road we found a casting knocked off a manhole. The PWD installed a new casting, we also noticed the line under Ridley Creek has become exposed. I spoke with Mike Ellis; he will need to obtain a general permit from DEP to make the repairs. Once we obtain the proper permits we will complete the repair.

Ridley Creek Plant: The electronics that we ordered for the main control panel came in and has been placed in a secure cabinet. The new LED lighting is just about complete, they have to complete the sludge room and screen room.

Alarms: We responded to 19 alarms for March.

PA One Calls: We responded to over 80 PA One Calls for the month March.

Monthly Rainfall: 3.10 inches of rain for the month of March.

Lateral repairs or Caps: 6 caps were replaced in March.

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
April 8, 2022**

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – We obtained updated vendor quotes for the tank and chemical feed pumps and provided recommendations for purchase.
- UV Disinfection System – We witnessed hydraulic testing of peak flow rates (1,500 gpm) through the filters to evaluate the water level in the filter effluent tanks. The raised UV channel to accommodate the Glasco system will increase the water level in the channel by approximately 11 inches, and it is expected to increase the level in the filter tanks by a similar amount. It was determined that there will still be several feet of freeboard in the filter tanks after the UV channel water level is increased. We thereby recommended the Township execute the Costars contract with the Glasco vendor, and we are coordinating for signatures accordingly.

The lead time for the Glasco equipment is approximately 5 months, which will be circa September 2022 based on contract execution on April 11. The installation of the system and other electrical and controls work is tentatively planned to occur in late fall-early winter once awards for the Commonwealth Financing Authority (CFA) Local Share Account (LSA) grants are announced.

- NPDES Permit Renewal – No updates since our last report. The public review comment period has ended, and DEP indicated the final permit will be issued shortly with no changes from the draft version that was provided for public review.

Ridley Creek Collection System Permanent Meters

- No activity since our last report.

Westtown Way Pump Station

- No activity since our last report.

Sanitary Sewer Pipe Rehab

- Supplee Valley – No activity since our last report.
- Hershey's Mill Estates – We submitted the GP-11 "Stream Obstructions" plans and permit application to DEP on March 8. We have responded to some administrative questions from DEP, but we are not aware that they have begun their technical review of the application yet. Since a LSA grant application was submitted for this project, construction contracts cannot be awarded if/until the grant is "approved". We therefore currently plan to bid the project in the late fall-early winter with construction projected in early to mid 2023.
- Ridley Creek Exposed Sewer Rehab – We were notified of an exposed ductile iron pipe in the stream bed of the Ridley Creek immediately north of N. Boot Road near Bellingham. The proposed rehab solution to protect the pipe is to encase it in concrete through an emergency DEP permit. We are coordinating with DEP on the emergency permitting requirements. We anticipate that a General Permit GP-5 "Utility Line Stream Crossings" will be required, and that the work can be done as an emergency so long as it is completed within 30 days of the permit application. The work is expected to be performed by Public Works and will require a pumped stream bypass.

I&I Program

- No activity since our last report.

New Connections

- Sewer Extension Study – We performed internal research for public outreach project examples and forward an example to the MA; however, the examples we have are for projects that were necessitated by system malfunctions and were already into the design process.

Chapter 94 Reports

- We completed the 2021 Chapter 94 Annual Sewer Facilities Reports for the RCSTP, West Goshen (Chester Creek), and Westtown Service Areas. The RCSTP and West Goshen Service Area reports were submitted directly to DEP, and the West Goshen report was also submitted to West Goshen Township. The Westtown Service Area report was submitted to Westtown Township only. All reports were submitted by the March 31 deadline. There are no existing or projected capacity limitations in any systems or at the RCSTP.

A summary of the RCSTP and West Goshen reports follows:

- RCSTP:
 - The RCSTP's average influent flow was 459,000 gpd in 2021, which is consistent with the flow from 2020. Flows remains well within the 750,000 gpd permitted average capacity of the plant. The 2021 flows are equivalent to 228 gpd/EDU, which is consistent with the Township's planning flow rate of 225 gpd/EDU. See Table 1 in the RCSTP Chapter 94 Report for a tabulation of 5-year flow history.
 - The projected future 5-year average flow to the RCSTP is 480,000 gpd. The projection does not include the Reservoir Road Pump Station Diversion, so there is still capacity for approximately 250,000 gpd for the diversion. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
 - The RCSTP's average organic loading was 995 lbs BOD₅/day in 2021, which is a significant increase of 20% from 2020 and 39% from 2019, despite no increased hydraulic loadings in 2021. However, it is well within the 2,098 lbs/day permitted capacity. See Table 3 in the RCSTP Chapter 94 Report for a tabulation of 5-year organic loading history.
 - The 5-year projected average organic loading to the plant is 996 lbs BOD₅/day, which remains well within the permitted capacity. Refer to the attached Chart 2 excerpt for a graph of the 5-year historical and 5-year projected organic loadings.
 - The Hershey's Mill and Hunt Country Pump Stations operated within their permitted hydraulic capacities in 2021, and they are projected to continue to do so in the future due to little to no projected upstream connections. See Table 8 in the RCSTP Chapter 94 Report for a summary of 2021 pump station flows versus capacities.
- West Goshen Service Area:
 - East Goshen's average daily flow was 637,000 gpd in 2021, which is a decrease of 6% from 2020 and 18% from 2019. The actual flow rate in 2020 was 180 gpd/EDU, which is well under the planning flow rate of 225 gpd/EDU. This likely due to lower precipitation in 2020-2021 as compared to 2018-2019 plus the ongoing success of the Township's aggressive I&I elimination program. See Table 1 in the West Goshen Chapter 94 Report for a tabulation of 5-year flow history.

- The projected future 5-year average flow to West Goshen is 715,000 gpd, which is well within the intermunicipal capacity of 1 MGD. Refer to the attached Chart 1 excerpt for a graph of the 5-year historical and 5-year projected flows.
- The Barkway and Ashbridge Pump Stations operated within their permitted hydraulic capacities in 2021 and are projected to continue to do so. See Table 8 in the West Goshen Chapter 94 Report for a summary of 2021 pump station flows versus capacities.

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

Chart 1 - Ridley Creek STP Hydraulic Loading

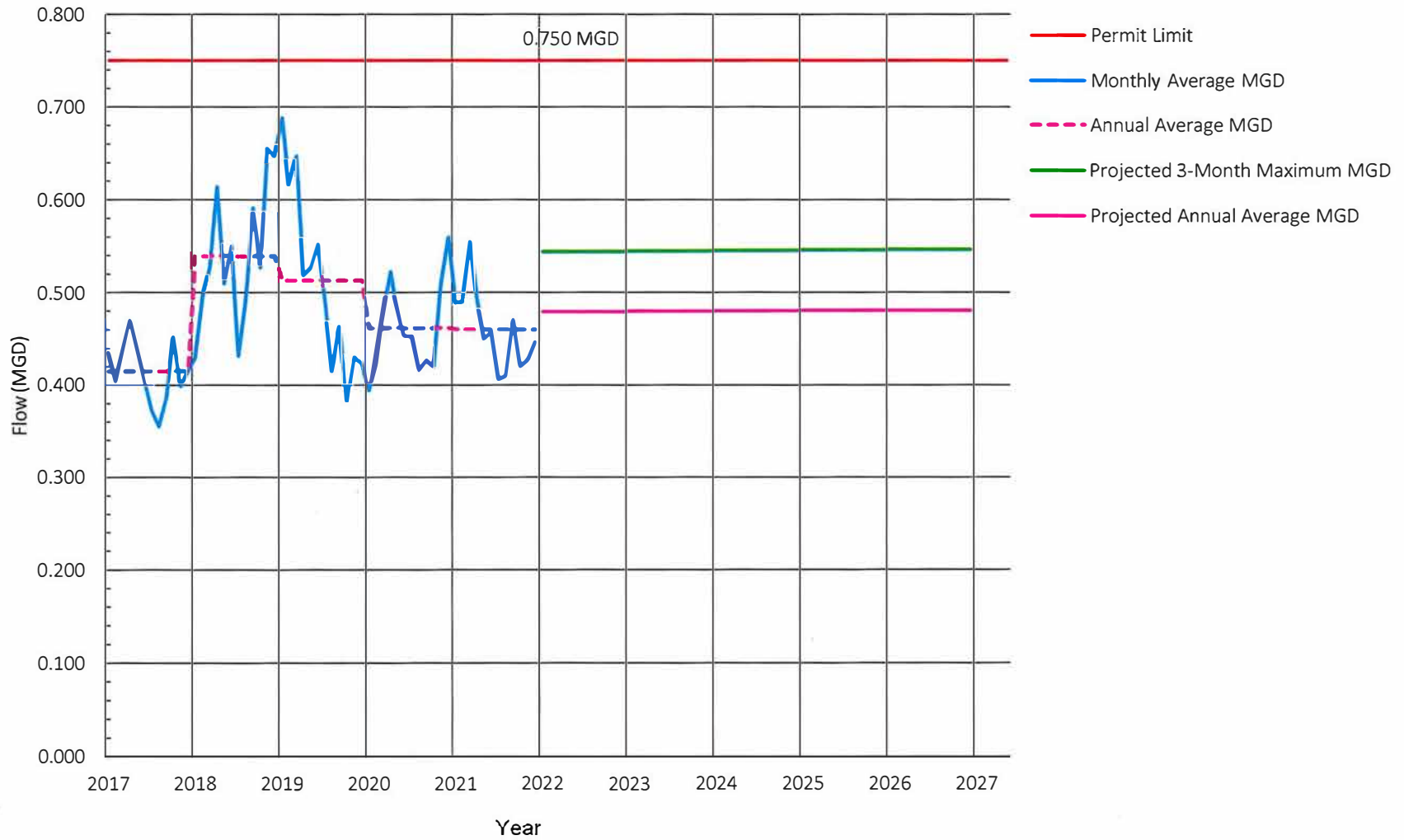


Chart 2 - Ridley Creek STP Organic Loading

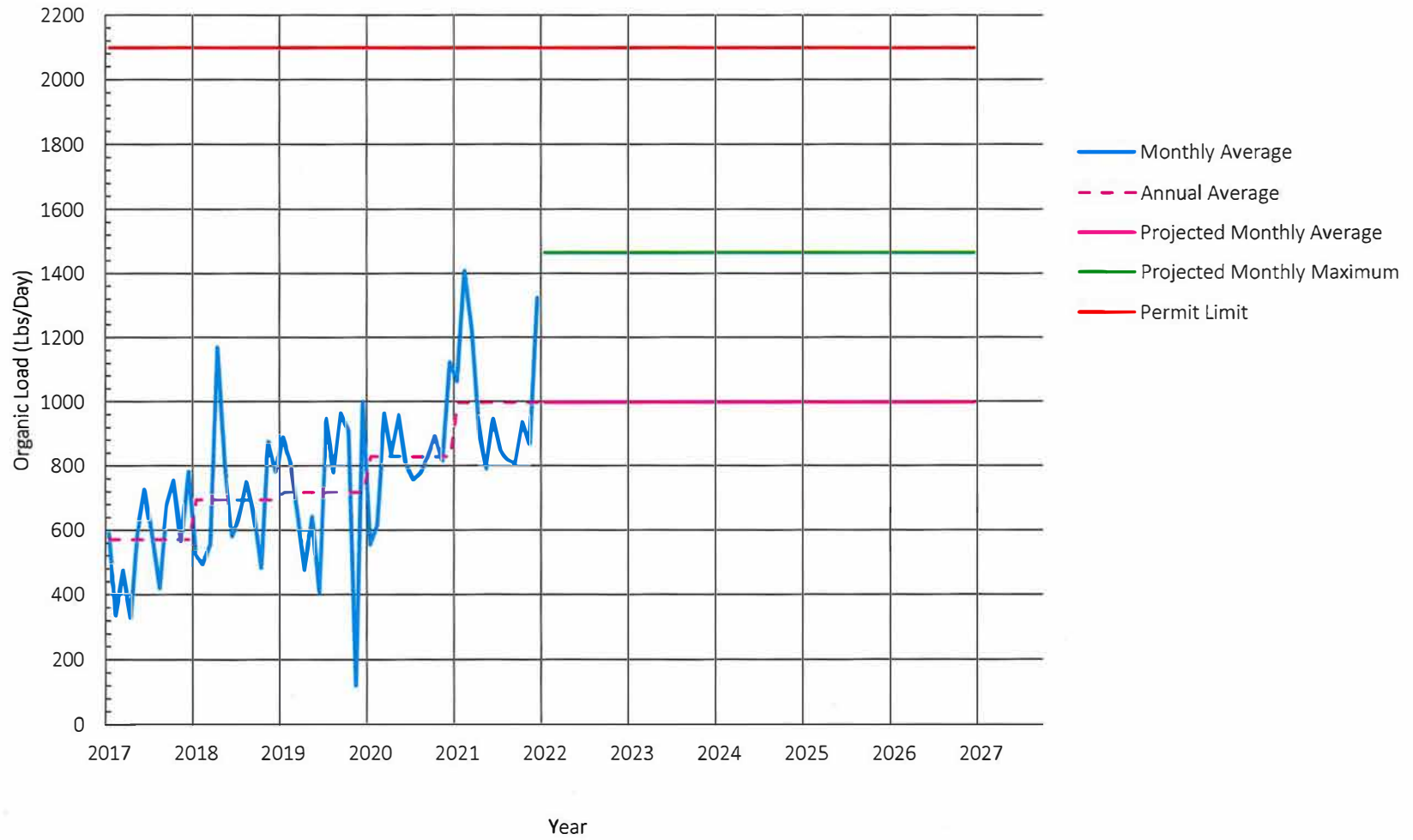
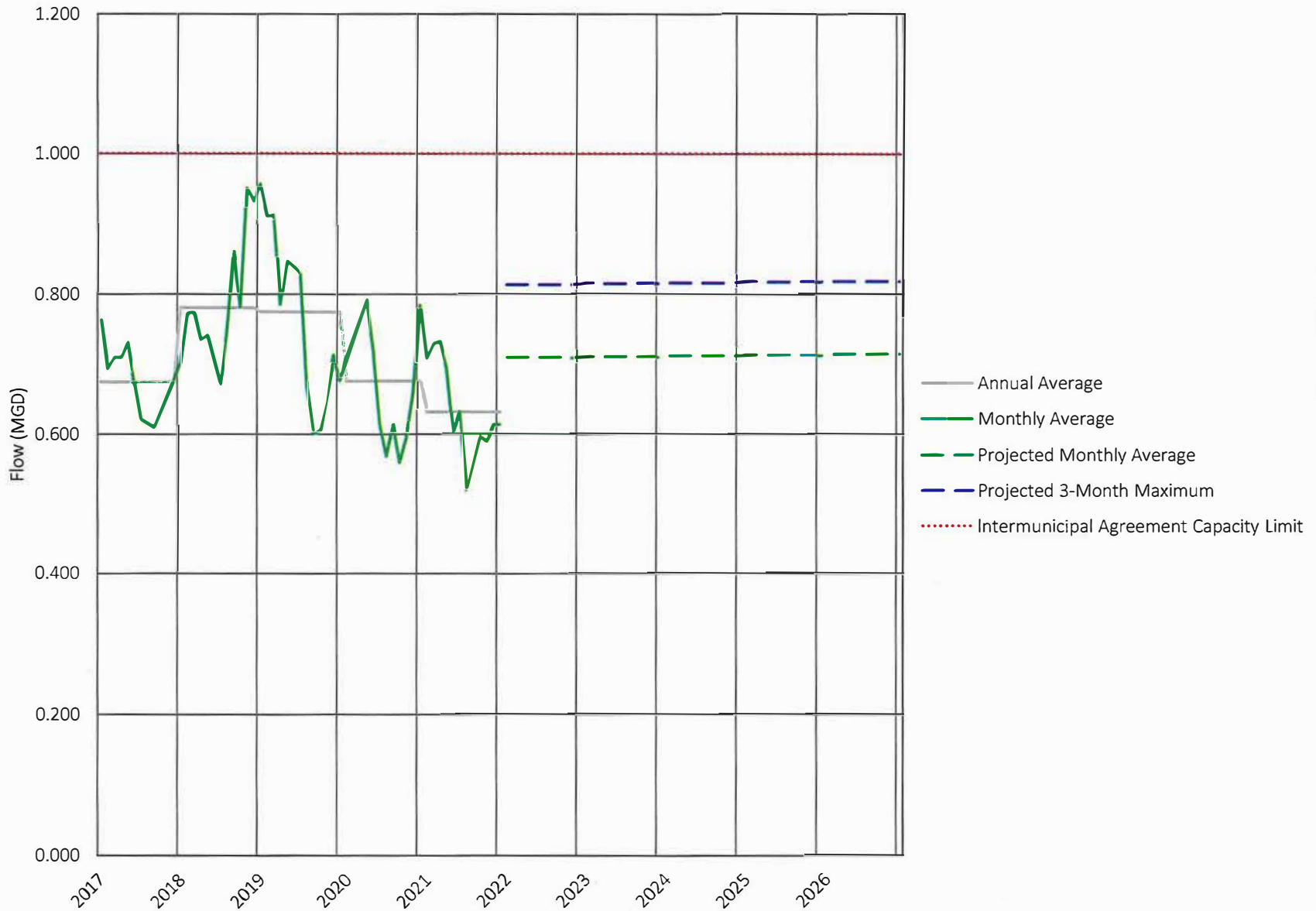


Chart 1 - West Goshen Service Area Hydraulic Loading





Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of February and March 2022. All supplemental reports were submitted for the month of February with the DMR. Discharge to the Applebrook irrigation lagoon remained in service. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. Aluminium sulfate solution volumes remained similar to February daily dosages at a daily average of 68.1 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. There was an electrical power spike on April 1st resulting in a blowe relay failure and reprogramming of the influent pumps. There were no odor complaints during the month.

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for the March 2022 DMR.

Table 1

March 2022- Final Effluent - Outfall 001												
NPDES Permit Discharge Limitations	Flow	CBOD₅		TSS		NH₄-N		Phosphorus, Total		Fecal Coliform		
	MGD		lbs/ month		lbs/ month		lbs/ month		lbs/ month	Geo Mean	Geo Mean	
	Average	mg/L		mg/L		mg/L		mg/L				
	0.75	20	125	10	131	7.0	44	0.5	3.0	200	1,000	
		40		15								
Sample Date												
	March 1, 2022	0.292	2.0	4.9	4.0	9.7	0.10	0.24	0.10	0.24	1	0.0000
	March 8, 2022	0.228	2.0	3.8	7.0	13.3	0.10	0.19	0.11	0.21	1	0.0000
	March 15, 2022	0.292	2.0	4.9	6.0	14.6	0.10	0.24	0.14	0.34	3	0.4771
	March 22, 2022	0.249	2.0	4.2	6.8	14.1	0.10	0.21	0.10	0.21	3	0.4771
	March 28, 2022	0.309	2.0	5.2	6.0	15.5	0.10	0.26	0.10	0.26	1	0.0000
	Average	0.274	2.0	4.6	6.0	13	0.10	0.23	0.11	0.25	2	0.1908
	Minimum	0.228	2.0	3.8	4.0	9.7	0.10	0.19	0.10	0.21	1	0.0000
	Maximum	0.309	2.0	5.2	7.0	15	0.10	0.26	0.14	0.34	3	0.4771

Compliance with the NPDES discharge permit was achieved during March. The monthly average total phosphorus was reported as 0.11 mg/L as compared to the permit limitation of 0.5 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 4 mg/L as compared to the discharge limitation of 10 mg/L. The TSS weekly averages are presented below in Table 2.

Table 2

March 2021 Final Effluent Weekly TSS Averages	
Week 1	4.0 mg/L
Week 2	7.0 mg/L
Week 3	6.0 mg/L
Week 4	6.8 mg/L
Week 5	6.0 mg/L

The final effluent test results demonstrate that the biological treatment process performed well during March. 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 continued through March.

Table 3 presents the available pollutant data for the Applebrook discharge reported as outfall 002 on the March 2022 DMR.

Table 3

March 2022 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform	
	MGD		lbs/		lbs/		lbs/		lbs/		Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Geo Mean	Mean
	0.135	25		30		7.0	44	0.5	3	200	1,000
		40		45							
March 1, 2022	0.0493	2.0	0.82	4.0	1.64	0.10	0.04	0.10	0.04	1	0.0000
March 8, 2022	0.0411	2.0	0.69	7.0	2.40	0.10	0.03	0.11	0.04	1	0.0000
March 15, 2022	0.0440	2.0	0.73	6.0	2.20	0.10	0.04	0.14	0.05	3	0.4771
March 22, 2022	0.0492	2.0	0.82	6.8	2.79	0.10	0.04	0.10	0.04	3	0.4771
March 28, 2022	0.0497	2.0	0.83	6.0	2.49	0.10	0.04	0.10	0.04	1	0.0000
Average	0.0467	2.0	0.78	6.0	2.3	0.10	0.04	0.11	0.04	2	0.1908
Minimum	0.0411	2.0	0.69	4.0	1.6	0.10	0.03	0.10	0.04	1	0.0000
Maximum	0.0497	2.0	0.83	7.0	2.8	0.10	0.04	0.14	0.05	3	0.4771

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

Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during March 2022.

Table 4

March 2022 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
March 1, 2022	0.413	145	499	70	241	34.0	117	47.2	163	4.34	14.9
March 8, 2022	0.323	277	747	373	1,006	45.5	123	77.4	209	7.09	19.1
March 15, 2022	0.378	201	633	112	353	26.0	82	47.1	148	4.33	13.6
March 22, 2022	0.440	245	899	178	653	33.4	123	47.4	174	4.96	18.2
March 28, 2022	0.484	251.0	1,013	222	896	31.8	128	50.4	203	5.12	20.7
Average	0.4077	224	759	191	630	34	115	53.9	179	5.2	17.3
Minimum	0.3234	145	499	70	241	26	82	47.1	148	4.3	13.6
Maximum	0.4841	277	1,013	373	1,006	46	128	77.4	209	7.1	20.7

The foam on the SBR surface reduced to approximately 5% to 50% coverage of the surface area. The foam thickness is approximately 3 to 4 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

No activity

Pennoni Associates

Correspondence and discussion regarding influent flow measurements, Influent flows reported on DMRs and differences in the influent versus final effluent flows.

Chemical Usage:

March 2022		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	300	9,300
Aluminium Sulfate solution, gal	68.1	2,112
Centrifuge sludge dewatering, gallons	na	315,176

Flow data:

March 2022			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	13.744	443,344	868,110
Influent Wastewater to SBRs*	13.920	429,671	538,496
Internal Recycle**	0.294	14,673	34,694
Treated Effluent to Disc Filters	13.223	426,554	491,008
Final Effluent Discharge	8.270	267,000	326,000
Applebrook Golf Course	1.449	46,729	53,424

During March, the average monthly influent wastewater flow measured at the “field” flow meter was 443,344 gallons/day as compared to the influent flow into the SBRs as 429,671 gallon/day. The difference between the daily averages is 13,723 gpd. These values are considered atypical as the flows to the SBR should be greater due to including all the internal recycle flows. In summary, the field influent meter is considered to produce inaccurate measurements.

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

Significant Rainfall

During March, there were eleven (11) days when rainfall occurred. There were three (3) events of rainfall meeting or exceeding 0.50 inches.

There were two event of consecutive rainfall events.

March 6th through 8th for a total of 0.11 inches of rainfall

March 24th through 25th for a total of 0.90 inches of rainfall

Maintenance and Repair Activities

- March 3rd** Attended an onsite meeting with Mark Miller, Pennoni, Clasco UV representative, Lenni Electric and John Laidley.
- March 9th** Rainfall and snow mix. Correspondence with Lindsay Lucibello, PE from Pennoni Associates.
- March 12th** Rainfall and snow mix.
- March 15th** Alum delivered.
- March 16th** Replaced all of the decant valves in SBR #1. Replaced the air relief valves on the decanter. Removed all rags from decanter and piping within the SBR. There was a large amount of grit within the tank, largely because it was used as a holding tank to divert excess flow during the hurricane storm during 2021. McGovern was scheduled to remove the grit.
- March 29th** Correspondence with Lindsay Lucibello, PE from Pennoni Associates regarding eDMR reporting and flows data reported for DMRs.
- March 30th** Continued email and telephone correspondence with Pennoni Associates.
- March 31st** Continued email correspondence with Pennoni Associates.
- April 1st** At 5:20 am the autodialer call out for an influent pump failure. Upon arrival, the influent wet well level was 16.5 ft and alarms on all control panels were active. The software for the influent pumps was reloaded and the pumps were returned to service. The blower for the post EQ basin failed time and was later determined by Lenni electric to have failed time delay relay. The standby blower was placed in service until the relay is replaced. The root cause of the was an electrical power "spike" on the supply line from PECO.

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DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
March 14, 2022

The East Goshen Township Municipal Authority held their regular meeting on Monday, March 14, 2022 at 7:00 pm. at the Township Building. Members in attendance are indicated in

BOLD: Walter Wujcik, Chairman;

Kevin Cummings, Vice Chairman;

Phil Mayer

Dana Pizarro

Jack Yahraes

Also in attendance were: David Ware (Financial Director), Mike Ellis (Pennoni), Mike Lynch (Township Supervisor), and Stacey Fuller (Attorney).

COMMON ACRONYMS:

BFES – Big Fish Environmental Services

BOS – Board of Supervisors

CB – Conservancy Board

DEP – Department of Environmental Protection

EPA – Environmental protection Agency

HC – Historical Commission

I&I – Inflow & Infiltration

LCSTP – Lockwood Chase Sewer Treatment Plant

MA- Municipal Authority

NPDES – National Pollutant Discharge Elimination System

PC – Planning Commission

PM – Prevention Maintenance

PR – Park & Recreation Board

RCSTP – Ridley Creek Sewer Treatment Plant

SBR – Sequencing Batch Reactor

SSO – Sanitary System Overflow

WAS – Waste Activated Sludge

Call to Order & Pledge of Allegiance

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

He asked for a moment of silence for our First Responders, Police and the Ukraine.

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

Chairman’s Report

West Goshen – Dave mentioned that he did get information from Mike Moffa today back to 2016.

Phase 2 should start before the summer. Westtown Way PS should be done by the end of the year.

He was recently notified that they were going to take \$55,000 from the Fulton account. Phil

mentioned that he read their minutes and noticed the term “beautified” was used. He thinks ordinary

landscaping is ok but doesn’t think we should be charged to beautify it.

SEWER REPORTS

1. Director of Public Works, Mark Miller’s report for February 2022

Monthly Flows – The average daily flow to West Goshen was 690,638 per day.

Meters: The meters were read on a daily basis.

C.C. Collection: The pump stations were visited on a daily basis. We pumped the wet wells down and cleaned the wet well walls. We had a vac truck come in and vac out the wet wells.

1 Aqua’s contractor struck three laterals. Public Works responded and made the repairs. We televised
2 each lateral before we made the repair.

3
4 **R.C. Collection:** The stations were checked on a daily basis. The wet wells were cleaned and
5 vacuumed out.

6
7 **Ridley Creek Plant:** We did a thorough cleaning of the facility. We had to replace a heater in the
8 SBR building.

9
10 I asked John Laidley to look at the main control panel at the plant to see what spare electronic parts
11 are needed. I have asked John to order the ones that are most important. We will start slowly
12 ordering the parts.

13
14 **Alarms:** We responded to 17 alarms for February.

15
16 **PA One Calls:** We responded to over 29 PA One Calls for the month of February.

17
18 **Monthly Rainfall:** 3.42 inches of rain for the month of February.

19
20 **Lateral Repairs or Caps:** 10 caps were replaced in February.

21 22 23 24 **2. Pennoni Engineer’s Report dated March 11, 2022**

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

- 26 • **Caustic Soda Conversion** – We prepared scoping to add an outside safety shower with
27 tempered water feed to the shower location, as per comments from the chemical supplier. We
28 plan to provide vendor selection recommendations and quotes for the tank and chemical feed
29 pump & piping systems for consideration at the April MA meeting.
- 30 • **UV Disinfection System** – We continued design and product evaluations for the temporary
31 bypass approach, crane, electric and controls needs, and hydraulics of the system. We
32 conducted on-site scoping meetings with the Township, Operator, Glasco technical
33 representatives and vendor, electrical contractor, mechanical contractor, and controls
34 integrator. Glasco provided a finalized quote for the UV equipment and bypass (“pilot”)
35 system afterwards. Budgetary quotes were also provided afterward by the electrical,
36 mechanical, and controls contractors. A memo summarizing the quotes is submitted under
37 separate cover. We recommend Glasco’s Costars quote be awarded subject to scheduling
38 impacts of the grant funding described below.

39 The lead time for the Glasco equipment is approximately 5 months, which would be circa
40 August 2022 if awarded in March. It is recommended to wait to install the system until after
41 hurricane season since it will be risky for the temporary bypass UV system to handle a storm
42 event like Hurricane Ida. Therefore, construction would be projected to occur in the October
43 – November timeframe, provided the Glasco equipment is ordered by the end of April.

1 We are also assisting the Township with the Commonwealth Financing Authority (CFA)
2 Local Share Account (LSA) grant application. According to PA DCED, grant awards are
3 expected to occur around November. No grant funds can be authorized or expended prior to
4 “receiving CFA approval”. It is not yet known if the “approval” means the grant award or the
5 follow-up grant contract execution, which could be at least 1-2 months after award.
6 Therefore, no equipment or construction contracts to be funded by the grant could be
7 authorized until the November-December timeframe, at the earliest. If the Glasco equipment
8 is part of the grant, the Glasco lead time would then not start until then so this would become
9 a mid-2023 construction project. Alternatively, if the grant is pursued for a lesser amount of
10 approximately \$160K vs. the currently planned \$199K, the grant funding would only cover
11 the contractor work (not Glasco’s equipment) so the Glasco quote could be approved now.
12 Further discussion on the funding and scheduling is occurring at the time of this report;
13 decisions will need to be made by March 15, which is the due date for the grant applications.

14 NPDES Permit Renewal – The public review comment period has ended, and the DEP
15 indicated the final permit will be issued shortly with no changes from the draft version that we
16 provided for public review.

17 Influent Flow Meter Replacement – It is our understanding that the manhole and meter have
18 been ordered, and delivery is expected in the July timeframe.

19
20 **Ridley Creek Collection System Permanent Meters**

- 21
- No activity since our last report.

22 **Westtown Way Pump Station**

- 23
- No activity since our last report.

24 **Sanitary Sewer Pipe Rehab**

- 25
- Supplee Valley – No activity since our last report.
 - Hershey’s Mill Estates --We finalized and submitted the GP-11 “Stream Obstructions” plans and permit application to DEP on March 8. Attached is an email summarizing the status and projected schedule moving forward. Per follow-up with a material supplier, 8” ductile iron pipe (DIP) is readily available, but 12” DIP is a 20-week lead time. Most of the project is 8” DIP, but there is some 12” DIP at the downstream end. The overall construction duration may therefore be a couple months longer than projected in the email.

26 We are also assisting the Township with the LSA grant application for this project. The scheduling
27 impacts for this project would be the same as described above for the UV Replacement project, and
28 further consideration is ongoing at the time of this report. If not using LSA grant funding at all, we
29 project that construction would begin in late summer 2022. If using LSA grant funding, the project
30 schedule would be pushed back approximately 6 months because construction contracts cannot be
31 awarded until the grant is “approved”. In that case, construction would then be projected to occur in
32 spring-summer 2023.

33 If not using LSA funding, the project can move forward now, and we request authority to advertise the
34 construction contract per the attached schedule.
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I&I Program

- No activity since our last report.

New Connections

Sewer Extension Study – No activity since our last report.

Charter 94 Reports

We continued data analysis and preparation of the 2021 Chapter 94 Annual Sewer Facilities Reports for the Ridley Creek, Chester Creek (West Goshen) and Westtown Service Areas. The reports will be finalized and submitted to DEP prior to the March 31 deadline.

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.

3. Big Fish Environmental Services –

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of February 2022. All supplemental reports for January 2022 were submitted with the DMR. Discharge to the Applebrook irrigation lagoon remained in service. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. Aluminium sulfate solution volumes slightly decreased during February to 69.9 gpd as compared to January at 70.1 gpd to achieve phosphorus removal. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. There were no odor complaints during the month. Walter mentioned that several tables were missing. The report is considered incomplete.

Approval of Minutes

Kevin moved to approve the February 14, 2022 minutes as amended. Dana seconded the motion. The motion passed unanimously.

Approval of Invoices

1. Dana moved to approve the following invoices:
DRBC Invoice #222169 \$ 666.00 Pd 3/8/22
Kappe Assoc. #21-554-M \$6,831.00 Pd 3/8/22
Phil seconded the motion. The motion passed unanimously.

Liaison Reports

1. Conservancy Board – Walter mentioned that Saturday April 23 is Keep East Goshen Beautiful Day. It is also Arbor Day so the Board will be holding a planting of a tree in Clymers Woods. Then that afternoon the Board will go to Supplee Valley to plan for their fall tree planting.

1 2. Board of Supervisors – Mike reported that they are considering an alternate Section B on the Paoli
2 Pike Trail. Tomorrow they will get an update of the Milltown Dam project.

3
4 **Financial Reports**

5 1. February Financial Report - Dave Ware reviewed the following report:

6 In February 2022, the Municipal Authority recorded \$7,965 in revenues (connection fees, and
7 transfers from Sewer Operating and Sewer Capital Reserve) and \$7,542 in expenses (Engineering
8 General Services, Engineering for Hershey’s Mill Estate and Legal Services), for a positive variance
9 of \$423. As of February 28, 2022, the fund balance was \$9,127.

10
11 **Old Business**

12 1. Sewer Extension Study – Mike Lynch read a list of options suggested for the survey. The report
13 Mike Ellis did last year was by neighborhood. He will check to see if West Goshen is doing any
14 expansion. Mark thinks they are upgrading the sewers not expanding. Dana mentioned that the State
15 rules for replacement of an onsite system is that it has to be placed in a different location on the
16 property. He also mentioned the 1992 report of onsite sewer failures. A sample letter/survey and
17 Mike’s expansion report will be put together to present to the BOS.

18
19 **Goals**

20 The goals were reviewed. The date should be changed to 2022 Goals. Also, the last item should be
21 two meters. Mark will make the corrections.

22
23 **New Business**

24 1. Glasco UV System Quote – Mike Ellis reviewed the quote. It is \$10K more because of a few
25 things that had to be added. Total is about \$310K including what East Goshen will do. Electrical and
26 Mechanical have to be put out to bid. Dave explained the grant proposals. They can’t award bids
27 until the grant is awarded. He reviewed the projects that may get funding from this grant. Mark and
28 Dana think the UV system equipment should be ordered. Kevin made a motion to approve the
29 purchase of equipment for the UV upgrade through Costars. Dana seconded the motion. The motion
30 was approved unanimously.

31
32 2. HME Sewer Replacement – Mark feels that a letter needs to go to the residents explaining the
33 project and timeframe of completion.

34
35 3. Aqua PA – There was discussion about the local Aqua Pa purchase of the East Whiteland
36 Township wastewater system.

37
38
39 **Capacity Request - None**

40
41
42 **Any Other Matter** –

43 1. PMAA Management Workshops – Walter will attend the April 14th meeting in Hershey.

44
45
46 **Correspondence-** None

1 **Public Comment** - None

2

3

4 **Adjournment**

5 There being no further business Phil moved to adjourn the meeting. Kevin seconded the motion. The
6 motion passed unanimously. The meeting was adjourned at 8:45 pm.

7 The next regular meeting will be held on Monday, April 11, 2022 at 7:00 pm.

8

9 Respectfully submitted,

10

11

12 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 : 1113816
 Invoice Date : 03/31/2022
 Project : EGMAU21004
 Project Name : HM Estates Sewer
 Design & Permitting

For Services Rendered Through 03/20/2022

Phase 04: Continued preparation of specifications and update of cost estimate.

Phase 05: Completed GP-11 permit application for stream obstructions and submitted to PADEP.

Phase 07: Submitted geotechnical report to the MA and Township.

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	\$24,756.02	95.74%	\$24,987.03	\$231.01
05 -- Permitting	\$8,000.00	\$3,839.59	86.33%	\$6,906.45	\$3,066.86
06 -- Property Line Stakeout	est. \$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE \$10,000.00	\$6,165.50	62.71%	\$6,271.25	\$105.75
Total :	\$79,800.00	\$72,981.61		\$76,385.23	\$3,403.62

Phase: 07 -- Geotechnical

Labor

Class	Hours	Rate	Amount
Authority Engineer	0.75	141.00	105.75
Labor			105.75

Phase Subtotal

\$105.75

Amount Due This Invoice

\$3,403.62

[Signature]
 4/8/22

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 3/31/2022

Project:	EGMAU21004		
Pennoni Job No.:	HM Estates Sewer Design & Permitting		
Invoice No:	1113816		
Invoice Period:	1/17/2022	to	3/20/2022
Initial Authorization:	\$ 64,800.00	Date:	3/31/2022
Contract Amount:	\$ 79,800.00		
Previously Invoiced:	\$ 72,981.61		
Current Invoice:	\$ 3,403.62		
Invoiced to Date (\$):	\$ 76,385.23		
Invoiced to Date (%):	96%		
Remaining Budget (\$):	\$ 3,414.77		
Remaining Budget (%):	4%		

Budget by Phase:

Phase Name:	HM Estates Sewer Design & Permitting		
Phase Budget:	\$ 79,800.00		
Previously Invoiced:	\$ 72,981.61		
Current Invoice:	\$ 3,403.62		
Invoiced to Date (\$):	\$ 76,385.23		
Invoiced to Date (%):	96%		
Remaining Budget (\$):	\$ 3,414.77		
Remaining Budget (%):	4%		

Comments: Phase 04: Continued preparation of specifications and update of cost estimate.

Phase 05: Completed GP-11 permit application for stream obstructions and submitted to PADEP.

Phase 07: Submitted geotechnical report to the MA and Township.



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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 : 1113817
Invoice Date : 03/31/2022
Project : EGMAU22001
Project Name : 2022 General
Services

For Services Rendered Through 03/20/2022

General Consultation - February and March Engineer's Reports; preparation for and attendance at February and March MA meetings including review of RCSTP operator's reports; prepared updated cost estimates and project schedules for HME Sewer Replacement and UV Replacement for PA DCED Local Share Account grant application, and evaluated schedule impacts of grant program (delayed starts) on both projects.

Sewer Extension Study - Finalized and submitted summary memo re: septic vs. public sewer extension life cycle cost analysis to MA and Township, and revised and re-issued to address MA comments; provided info on potential grant programs for sewer extension construction and planning to Township; and provided 2007 extension public survey and letters to MA as examples.

RCSTP NPDES Permit Renewal - Reviewed draft NPDES permit issued by PADEP.

RCSTP Influent Meter Replacement - Updated manhole design depths based on measurements from Public Works, and obtained updated manhole and meter cost quotes from vendors.

Billing Limits	Current	Prior	To-Date
Total Billings	4,156.75	3,127.25	7,284.00
Limit			35,000.00
Remaining			27,716.00

Labor

	Hours	Rate	Amount
Authority Engineer	16.25	141.00	2,291.25
Senior Professional	.75	134.00	100.50
Project Professional	3.75	118.00	442.50
Associate Professional	4.00	105.00	420.00
Graduate Professional	9.50	95.00	902.50
Totals	34.25		4,156.75
Total Labor			4,156.75

Total this Invoice \$4,156.75

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 3/31/2022

Project:	EGMAU22001		
Pennoni Job No.:	2022 General Services		
Invoice No:	1113817		
Invoice Period:	1/17/2022	to	3/20/2022
Initial Authorization:	\$ 35,000.00	Date:	3/31/2022
Contract Amount:	\$ 35,000.00		
Previously Invoiced:	\$ 3,127.25		
Current Invoice:	\$ 4,156.75		
Invoiced to Date (\$):	\$ 7,284.00		
Invoiced to Date (%):	21%		
Remaining Budget (\$):	\$ 27,716.00		
Remaining Budget (%):	79%		

Budget by Phase:

Phase Name:	2022 General Services		
Phase Budget:	\$ 35,000.00		
Previously Invoiced:	\$ 3,127.25		
Current Invoice:	\$ 4,156.75		
Invoiced to Date (\$):	\$ 7,284.00		
Invoiced to Date (%):	21%		
Remaining Budget (\$):	\$ 27,716.00		
Remaining Budget (%):	79%		

Comments: General Consultation - February and March Engineer's Reports; preparation for and attendance at February and March MA meetings including review of RCSTP operator's reports; prepared updated cost estimates and project schedules for HME Sewer Replacement and UV Replacement for PA DCED Local Share Account grant application, and evaluated schedule impacts of grant program (delayed starts) on both projects.

Sewer Extension Study - Finalized and submitted summary memo re: septic vs. public sewer extension life cycle cost analysis to MA and Township and revised and re-issued to address MA comments; provided info on potential grant programs for sewer extension construction and planning to Township; and provided 2007 extension public survey and letters to MA as examples.

RCSTP NPDES Permit Renewal - Reviewed draft NPDES permit issued by PADEP.

RCSTP Influent Meter Replacement - Updated manhole design depths based on measurements from Public Works and obtained updated manhole and meter cost quotes from vendors.



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 : 1113818
Invoice Date : 03/31/2022
Project : EGMAU22003
Project Name : 2021 Chapter 94
Reports

For Services Rendered Through 03/20/2022

Continued preparation of RCSTP, West Goshen (Chester Creek), and Westtown Service Areas Chapter 94 Reports.

Billing Limits	Current	Prior	To-Date
Total Billings	6,657.25	0.00	6,657.25
Limit			8,000.00
Remaining			1,342.75

Labor

	Hours	Rate	Amount
Authority Engineer	1.00	141.00	141.00
Staff Professional	27.50	110.00	3,025.00
Graduate Professional	36.75	95.00	3,491.25
Totals	65.25		6,657.25
Total Labor			6,657.25

Total this Invoice \$6,657.25

2021 Chapter 94 Reports
EGMAU22003 Invoice Summary
Invoice Date 3/31/2022

Project: EGMAU22003
Pennoni Job No.: 2021 Chapter 94 Reports
Invoice No: 1113818
Invoice Period: NTP to 3/20/2022
Initial Authorization: \$ 8,000.00 **Date:** 3/31/2022
Contract Amount: \$ 8,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 6,657.25
Invoiced to Date (\$): \$ 6,657.25
Invoiced to Date (%): 83%
Remaining Budget (\$): \$ 1,342.75
Remaining Budget (%): 17%

Budget by Phase:

Phase Name: 2021 Chapter 94 Reports
Phase Budget: \$ 8,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 6,657.25
Invoiced to Date (\$): \$ 6,657.25
Invoiced to Date (%): 83%
Remaining Budget (\$): \$ 1,342.75
Remaining Budget (%): 17%

Comments: Continued preparation of RCSTP, West goshen (Chester Creek), and Westotwn Service Areas Chapter 94 Reports.



INVOICE

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

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

Invoice No : 1113819
Invoice Date : 03/31/2022
Project : EGMAU22004
Project Name : RCSTP UV
Replacement

For Services Rendered Through 03/20/2022

Continued electrical design; conducted electrical scoping virtual meeting with Lenni Electric to obtain cost quote; prepared sequence of construction for UV replacement including bypass system installation; created plan of Glasco UV system design overlaid on existing conditions RCSTP plans; site visits to observe Glasco and Trojan UV systems and obtain recommendations and feedback from plant operators in Upper Gwynedd Township and Hazleton; reviewed Glasco's initial Costars quote; prepared summary memo of alternative UV systems and recommendations for product selection; evaluated hoist vs. jib crane alternatives and obtained product cost quotes; scheduled and conducted detailed field scoping meeting at RCSTP w/ Glasco's technical reps, vendor, Township, operator, and electrical, mechanical, and controls contractors; reviewed revised Glasco Costars quote after meeting to include additional scope; responded to scoping questions from contractors and operator; reviewed contractors' quotes; prepared overall cost summary memo; evaluated contracting approach for electrical and mechanical construction work; and debriefed Kappe on reason why Trojan was not selected.

Labor

	Hours	Rate	Amount	
Authority Engineer	20.00	141.00	2,820.00	
Senior Professional	36.50	134.00	4,891.00	
Associate Professional	55.75	105.00	5,853.75	
Totals	112.25		13,564.75	
Total Labor				13,564.75
Total this Invoice				<u>\$13,564.75</u>

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

RCSTP UV Replacement
EGMAU22004 Invoice Summary
Invoice Date 3/31/2022

Project:	EGMAU22004		
Pennoni Job No.:	RCSTP UV Replacement		
Invoice No:	1113819		
Invoice Period:	1/17/2022	to	3/20/2022
Initial Authorization:	\$ -	Date:	3/31/2022
Contract Amount:	\$ -		
Previously Invoiced:	\$ 2,537.25		
Current Invoice:	\$ 13,564.75		
Invoiced to Date (\$):	\$ 16,102.00		
Invoiced to Date (%):	#DIV/0!		
Remaining Budget (\$):	\$ (16,102.00)		
Remaining Budget (%):	#DIV/0!		

Budget by Phase:

Phase Name:	RCSTP UV Replacement		
Phase Budget:	\$ -		
Previously Invoiced:	\$ 2,537.25		
Current Invoice:	\$ 13,564.75		
Invoiced to Date (\$):	\$ 16,102.00		
Invoiced to Date (%):	#DIV/0!		
Remaining Budget (\$):	\$ (16,102.00)		
Remaining Budget (%):	#DIV/0!		

Comments: Continued electrical design; conducted electrical scoping virtual meeting with Lenni Electric to obtain cost quote; prepared sequence of construction for UV replacement including bypass system installation; created plan of Glasco UV system design overlaid on existing conditions RCSTP plans; site visits to observe Glasco and Trojan UV systems and obtain recommendations and feedback from plant operators in Upper Gwynedd Township and Hazleton; reviewed Glasco's initial Costars quote; prepared summary memo of alternative UV systems and recommendations for product selection; evaluated hoist vs. jib crane alternatives and obtained product cost quotes; scheduled and conducted detailed field scoping meeting at RCSTP w/ Glasco's technical reps, vendor, Township, operator, and electrical, mechanical, and controls contractors; reviewed revised Glasco Costars quote after meeting to include additional scope; responded to scoping questions from contractors and operator; reviewed contractors' quotes; prepared overall cost summary memo; evaluated contracting approach for electrical and mechanical construction work; and debriefed Kappe on reason why Trojan was not selected.

68152

East Goshen Municipal Authority
Attn: Mr. Derek J. Davis
1580 Paoli Pike
West Chester, PA 19380-6107

Client Number: 2500
Invoice: 1000120865
Date: 02/28/2022
Due Date: Upon Receipt

Billing for time incurred to February 28, 2022, for the following services:

Audit of the 2021 East Goshen Municipal Authority financial statements and preparation of your audit report thereon \$7,000.00

Billed Time & Expenses	\$7,000.00
Invoice Total	<u>\$7,000.00</u>

APPROVED BY: _____
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07424.3110

PAID
2/18

<u>02/28/2022</u>	<u>01/31/2022</u>	<u>12/31/2021</u>	<u>11/30/2021</u>	<u>10/31/2021+</u>	<u>Total</u>
7,000.00	0.00	0.00	0.00	0.00	\$7,000.00

Please return this portion with payment.

ID: 2500
East Goshen Municipal Authority

Date: 02/28/2022 Invoice: 1000120865
Due Date: Upon Receipt Amount Due: \$7,000.00

Amount Enclosed: \$ _____

Please make checks payable to **Maillie LLP**.

To pay by ACH, email payment details to Payments@maillie.com and use this ACH information:

Customers Bank
99 Bridge Street
Phoenixville, PA 19460

Routing #: 031302971

Account #: 6874053

Memo

To: Municipal Authority
From: Dave Ware
Re: MA March 2022 Financial Report
Date: April 6, 2022

In March 2022, the Municipal Authority recorded \$23,223 in revenues (transfers from Sewer Operating and Sewer Capital Reserve) and \$23,223 in expenses (Magnetic Flow Meter @ Hershey's Mill Pump Station, Recharged Administrative Costs, Legal Services, and the DRBC annual fee), for a net result of operations of \$0. As of March 31, 2022, the fund balance was \$9,127.

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

EAST GOSHEN TOWNSHIP
Other Funds
March 2022
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
REVENUE								
INTEREST EARNINGS	07341 1000			0.54	0.54		0.17	0.17
DCEED GRANT	07354 0400	152,980						
C.C. TAPPING FEES	07364 1100	2,000						
R.C.TAPPING FEES	07364 1110	2,000						
CONNECTION FEES - SEWER	07364 1130	1,000	335	281.88	(52.92)	167		(167.40)
MISCELLANEOUS REVENUE	07380 1000			141.12	141.12			
TRANSFER FROM SEWER OPERATING	07392 0500	130,000		28,213.55	28,213.55		16,392.05	16,392.05
TRANSFER FROM SEWER CAP RESERVE	07392 0900	476,930	157,835	27,034.38	(130,800.44)	85,605	6,831.00	(78,773.97)
TOTAL REVENUE		764,910	158,170	55,671.47	(102,498.15)	85,772	23,223.22	(62,549.15)
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	30,529	7,281	8,372.05	(1,091.55)	7,281	8,372.05	(1,091.55)
MISCELLANEOUS EXPENSE	07424 3000	1,500	565	1,540.25	(975.06)	565	660.00	(94.81)
MUNIC.AUTH.-AUDITING	07424 3110	10,300	8,077	7,000.00	1,077.26	5,477	7,000.00	(1,523.49)
ENGINEERING SERVICES	07424 3130	45,000	4,932	9,741.25	(4,809.52)	2,415		2,415.39
LEGAL SERVICES	07424 3140	8,000	731	1,560.00	(829.07)	731	360.00	370.93
R.C. CAPITAL-STP	07424 7440	315,000						
CAP.REPLACEMENT R.C.	07424 7490	41,400						
RELINING	07426 3001	130,000						
BARKWAY PUMP STATION CAPITAL	07429 1501			2,215.00	(2,215.00)			
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503			25,864.95	(25,864.95)		6,831.00	(6,831.00)
HUNT CO PUMP STATION CAPITAL	07429 1504			1,870.00	(1,870.00)			
RCSTP CAPITAL	07429 1505	46,897	37,391		37,390.60	7,727		7,727.07
WEST GOSHEN CAPITAL	07429 6100	136,284						
TOTAL EXPENSES		764,910	58,976	58,163.50	812.71	24,196	23,223.05	972.54
NET RESULT FROM OPERATIONS			99,193	(2,492.03)	(101,685.44)	61,577	0.17	(61,576.61)

MUNICIPAL AUTHORITY March 31, 2022 YTD Financials

Account #	Description	Per	Src	Trx#	Debits	Credits	Balance	Date	Check#	Name	Description
07341-1000	BEGINNING BALANCE						0				
07341-1000	INTEREST EARNINGS	2201	JE	82114	-	0.19	0	1/31/2022	INTEREST	INTEREST EARNED JANUARY 2022	07 FUND
07341-1000	INTEREST EARNINGS	2202	JE	82467	-	0.18	0	44620	INTEREST	INTEREST EARNED FEBRUARY 2022	
07341-1000	INTEREST EARNINGS	2203	JE	82815	-	0.17	0	3/31/2022	INTEREST	INTEREST EARNED MARCH 2022	07 FUND
07364-1130	BEGINNING BALANCE						0				
07364-1130	CONNECTION FEES - SEWER	2202	CR	82091	-	423.00	0	44594	2714	STOFFLET, MICHAEL	
07364-1130	CONNECTION FEES - SEWER	2202	JE	82092	141.12	-	0	44594		PINE RK ANNUAL PINK ROCK INSTALLMENT	INTEREST PORTION - STOFFLET
07380-1000	BEGINNING BALANCE						0				
07380-1000	MISCELLANEOUS REVENUE	2202	JE	82092	-	141.12	0	44594		PINE RK ANNUAL PINK ROCK INSTALLMENT	INTEREST PORTION - STOFFLET
07392-0500	BEGINNING BALANCE						0				
07392-0500	TRANSFER FROM SEWER OPERATING	2201	JE	81851	-	5,497.00	0	44574		XFER \$ TO MA FROM SEWER &	SEWER CAP.RE: DEC.EXPENSES
07392-0500	TRANSFER FROM SEWER OPERATING	2202	JE	82281	-	6,324.50	0	44608		XFER \$ FROM 05 & 09 RE: JAN.	2022 MA EXPENSES
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82519	-	660.00	0	44628		XFER \$ FROM SEWER & SEWER	CAPITAL TO MA
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82561	-	360.00	0	44631		XFER \$ FROM 05 TO 07 MA AUTH.	
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82627	-	7,000.00	0	44638		XFER \$ FROM 05 TO 07 RE: 07	EXPENSES
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82773	-	8,372.05	0	44650		XFER \$ FROM 05 TO 07 TO COVER	MA EXPENSE - EGT QTR.1
07392-0900	BEGINNING BALANCE						0				
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2201	JE	81851	-	18,986.13	0	44574		XFER \$ TO MA FROM SEWER &	SEWER CAP.RE: DEC.EXPENSES
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2202	JE	82281	-	1,217.25	0	44608		XFER \$ FROM 05 & 09 RE: JAN.	2022 MA EXPENSES
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2203	JE	82519	-	6,831.00	0	44628		XFER \$ FROM SEWER & SEWER	CAPITAL TO MA
07424-1400	BEGINNING BALANCE						0				
07424-1400	ADMINISTRATIVE WAGES	2203	CD	82771	8,372.05	-	0	44650		3311 EAST GOSHEN TOWNSHIP - GENERAL	QTR.1 - 2022 REIMBURSMENT
07424-3000	BEGINNING BALANCE						0				
07424-3000	MISCELLANEOUS EXPENSE	2201	CD	81850	880.25	-	0	44574		3303 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC	2022 ACTIVE MEMBERSHIP DUES
07424-3000	MISCELLANEOUS EXPENSE	2203	CD	82517	660.00	-	0	44628		3306 DELAWARE RIVER BASIN COMMISSION	ANLN MONITORING & COORDINATION FEE
07424-3110	BEGINNING BALANCE						0				
07424-3110	MUNIC.AUTH.-AUDITING	2203	CD	82626	7,000.00	-	0	44638		3310 MAILLIE FALCONIERO & CO.	MUNICIPAL AUTH.2021 FINANCIAL AUDIT
07424-3130	BEGINNING BALANCE						0				
07424-3130	ENGINEERING SERVICES	2201	CD	81850	4,076.75	-	0	44574		3302 PENNONI ASSOCIATES INC.	SERVICES THRU 12/19/21 2021 GEN.SER
07424-3130	ENGINEERING SERVICES	2202	CD	82280	5,664.50	-	0	44608		3305 PENNONI ASSOCIATES INC.	SERVICES THRU 1/16/22 - GEN.SERVICE
07424-3140	BEGINNING BALANCE						0				
07424-3140	LEGAL SERVICES	2201	CD	81850	540.00	-	0	44574		3300 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - NOVEMBER 2021
07424-3140	LEGAL SERVICES	2202	CD	82280	660.00	-	0	44608		3304 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - DEC.2021 GEN.AUTH.
07424-3140	LEGAL SERVICES	2203	CD	82560	360.00	-	0	44631		3308 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE FEB.2022 GEN.AUTH.
07429-1501	BEGINNING BALANCE						0				
07429-1501	BARKWAY PUMP STATION CAPITAL	2201	CD	81850	2,215.00	-	0	44574		3299 DECKMAN MOTOR & PUMP INC.	REBUILT HYDROMATIC PUMP
07429-1503	BEGINNING BALANCE						0				
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2201	CD	81850	2,709.00	-	0	44574		3299 DECKMAN MOTOR & PUMP INC.	2 - REBUILT HYDROMATIC PUMPS
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2201	CD	81850	11,255.01	-	0	44574		3301 JWC ENVIRONMENTAL	MUFFIN MONSTER
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2201	CD	81850	3,852.69	-	0	44574		3302 PENNONI ASSOCIATES INC.	SERVICES THRU 12/19/21 HM ESTATES
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2202	CD	82280	1,217.25	-	0	44608		3305 PENNONI ASSOCIATES INC.	SERVICES THRU 1/16/22 - HM ESTATES
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2203	CD	82517	6,831.00	-	0	44628		3307 KAPPE ASSOCIATES	MAGNETIC FLOW METER
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2203	CD	82617	(11,255.01)	-	0	44637		3301 JWC ENVIRONMENTAL	VOID CK.#3301 - LOST IN MAIL
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2203	CD	82617	11,255.01	-	0	44637		3309 JWC ENVIRONMENTAL	REPLACEMENT CK.FOR 3301
07429-1504	BEGINNING BALANCE						0				
07429-1504	HUNT CO PUMP STATION CAPITAL	2201	CD	81850	1,870.00	-	0	44574		3299 DECKMAN MOTOR & PUMP INC.	REBUILT HYDROMATIC PUMP

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

January 6, 2022

Mr. Kevin Cummings
1606 Williams Way
West Chester, PA 19380

RE: Municipal Authority Reappointment

Dear Kevin:

At their meeting on Monday, January 3, 2022, the Board of Supervisors reappointed you to another five-year term on the Municipal Authority. Your term will expire at the end of the year 2026, at which time you may be reappointed.

We would like to thank you for your continuous hard work on the Municipal Authority, and we look forward to working with you in the future.

As always, if we can be of any assistance, please feel free to call.

Sincerely yours,



Derek J. Davis
Township Manager

cc: Municipal Authority

BOARD OF SUPERVISORS

EAST GOSHEN TOWNSHIP

CHESTER COUNTY

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

January 6, 2022

Mr. Dana Pizarro
1602 Ivy Lane
West Chester, PA 19380

RE: Municipal Authority Reappointment

Dear Dana:

At their meeting on Monday, January 3, 2022, the Board of Supervisors reappointed you to another five-year term on the Municipal Authority. Your term will expire at the end of the year 2026, at which time you may be reappointed.

We would like to thank you for your continuous hard work on the Municipal Authority, and we look forward to working with you in the future.

As always, if we can be of any assistance, please feel free to call.

Sincerely yours,



Derek J. Davis
Township Manager

cc: Municipal Authority



E&W Equipment Co. LLC
 901 School Street
 Moosic, PA 18507
 Phone: 570-677-1919
 e-mail: jconnor@ewequipment.com

PROPOSAL 2022-02-08 REV-1

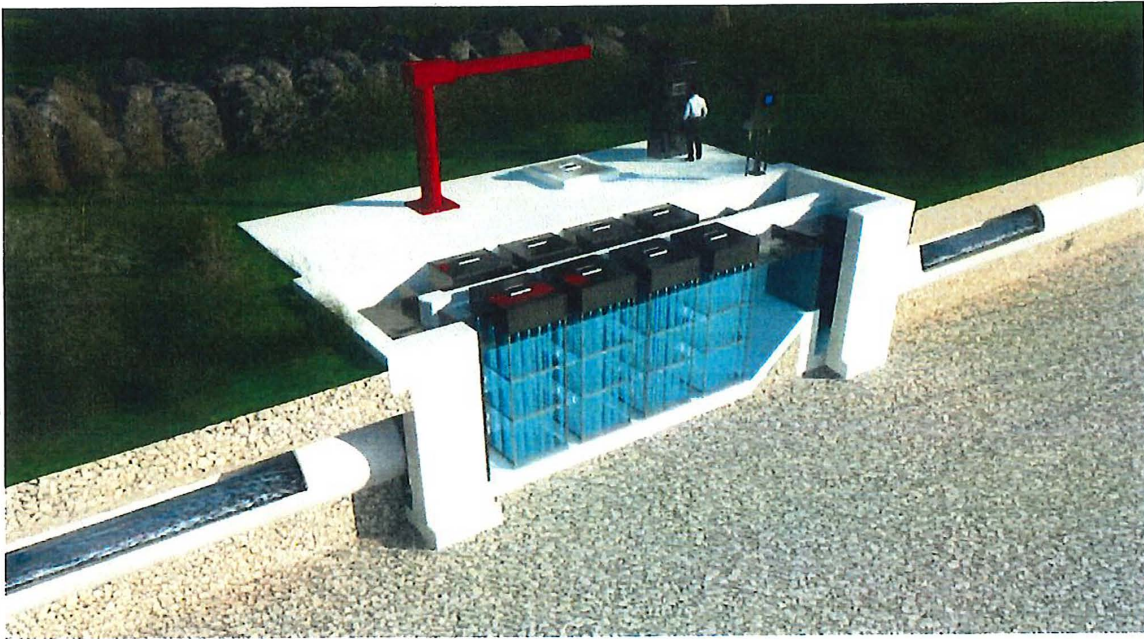
TO East Goshen Township Municipal Authority
 PROJECT Ridley Creek Wastewater UV Disinfection System
 LOCATION East Goshen Township, PA
 DATE 2022-03-08

Per your request and through E&W Equipment's association with Glasco UV, we offer this proposal for purchase of a Glasco UV disinfection system from E&W Equipment through the PA COSTARS program (COSTARS Contract #016-095). The proposed UV system consists of VCS-40-A150-2 X 2 to be installed within the existing UV Channel that would be modified to accommodate the new system. The proposal also includes a painted steel channel to be used with one of the new UV modules as temporary disinfection while the channel modifications are being constructed. Installation would be by others.

The proposed UV disinfection equipment is based on the following design information:

PROPOSED UV DESIGN BASIS:

Project Type:		Wastewater
Channel Type	Existing concrete open channel to be modified	
Orientation	Vertical 30"	
System Name	VCS-40-A150-2	
Lamp Technology	Low pressure amalgam 150 W	
Flow rate range		
Peak hydraulic flow	3.0 MGD	
Average flow	0.7 MGD	
Redundancy	N+1	
Location	Indoors	
Water Quality		
UV transmission %	65%	
Influent fecal counts	200,000 fc/100 ml	
Water temp.	33-90° F	
TSS	<30 mg/l	
BOD	<30 mg/l	
Discharge permit	<200 fc/100 ml	
Design UV dosage	30 mJ	
Dimensions		
Channel length	See drawing	
Channel width	23"	
Channel height	See drawing	
Water level	29"	
Level control	Finger weir (existing to be relocated by others)	
Ballast Control Center	Freestanding NEMA 4x Stainless w A/C	



PROPOSED UV EQUIPMENT OVERVIEW:

Model Name	VCS-40-A150-2 X 2
System type	Vertical
Configuration	Open Channel
Lamp type	Low pressure amalgam 150 W
Channels	1
Modules per channel	2
Lamps per module	40
Lamps per channel	40
UV monitoring	0-100% - 4-20 ma
Auto quartz cleaning	Pneumatic
Lamp status	Green LEDs
Remote control	H/O/A
Voltage	220-240 Volt
kW/hr	6 kW (per module)
Weight	300 lbs
Integration	
UV output	4-20 mA from UV
Flow signal	4-20 mA to UV
Basic PLC	AB MicroLogix
Remote control	H/O/A

Modules receive a flow signal and segments are turned on and off as needed. This saves energy and lamp hours.

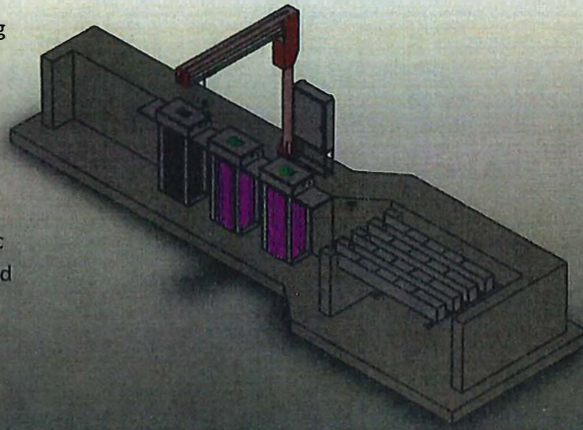
A level control weir ensures that the lamps are submerged regardless of flow rate. 30" arc length needs to be under water.

Modules have an automatic quartz cleaning mechanism. A compressed air source is required and can be provided as an option.

Lamps can be changed without removing the module.

A hoist can be used for seasonal or periodic out of channel cleaning and can be provided as an option.

A remote Ballast Control Center with A/C sits above the channel and attaches to the modules with power, data and air.



PROPOSED SCOPE OF ENGINEERING SERVICES

The following documentation will be provided at the time of submittal:

- Installation Operation and Maintenance manual
- Layout drawings
- P+ID drawings
- Panel and wiring drawings
- Ladder logic diagrams
- Terminal block diagrams
- Warranty requirements
- Long term storage requirements
- Bills of materials
- Equipment descriptions
- Equipment brochures
- UV Head loss calculations
- and other relevant documentation.

PROPOSED SCOPE OF SUPPLY:

Quantity	Description
Two (2)	VCS-40-A150-2 Vertical modules with automatic cleaning and low-pressure amalgam lamps. Lamps are 30" and are 150 watts.
One (1)	Ballast Control Center (BCC) / System Control Center (SCC) (PLC), NEMA 4X modified Type 304 SS enclosure with AB MicroLogix PLC with AB touch screen OUI. System will be air conditioned. With mounting legs to clear drain.
One (1)	Automatic quartz cleaning system center with air compressor
One (1)	Low level sensor
One (1)	Conduit with connectors to bring power to module in the temporary channel – approximately 20' in length
One (1)	Temporary channel constructed of painted carbon steel
Two (2)	Operator safety kit for UV system
Three (3)	O&M Manuals
Spares	
Eight (8)	UV Lamps
One (1)	Ballast
Eight (8)	Quartz Sleeves
Eight (8)	Seals and Wiper Rings

COSTARS Price Proposal	
UV Disinfection System, 1.5 MGD temporary channel, controls, accessories, and spare parts	\$127,985.00
Startup and Training for Temporary Unit	\$3,500.00
Startup and Training for Permanent Unit	\$3,500.00
Total (including all options)	\$134,985.00

Commercial Offering:

TERMS: Net 30 days
 30% upon approved drawings
 60% upon equipment delivery (or upon notification of ready and holding)
 10% upon start-up or within six (6) months from delivery, whichever occurs first

FREIGHT: Included in proposal
 SUBMITTAL: 4 to 6 weeks after release of order
 DELIVERY: 16-18 weeks after receipt of approved submittals

Proposal Accepted by: Mark S. Miller
 Signature: Paul J. Mill Date: 4/8/2022

Notes:

1. E&W Equipment proposes to furnish materials and/or equipment for the above project. Any items not shown above as detailed under 'SCOPE OF SUPPLY', or other attachments to this proposal, are EXCLUDED.
2. Any order resulting from this proposal is subject to the COSTARS Contract Standard Terms and Conditions, COSTARS Contract Special Terms and Conditions, and the attached Terms and Conditions in addition to the following understandings:
 - a. Prices noted will be held valid for a period of 90 days from the date of the proposal.
 - b. Prices are in US Dollars.
 - c. Local or state taxes are not included in this proposal.
3. Purchase Orders shall be issued to E&W Equipment Company, LLC, 901 School Street, Moosic, PA 18507 and electronically to jconnor@ewequipment.com.
4. Items not included in this scope of supply include but are not limited to the following:
 - a) Structure above UV modules to protect from direct heat as well as from inclement weather.
 - b) Mechanical installation labor for installing equipment, cabling and instrumentation.
 - c) Lightning surge protection and electrical ground connection.
 - d) Unloading of components.
 - e) Placement in storage of all components.
 - f) All required equipment, labor, analysis, etc. for any on-site biological performance tests that may be required (regular support for operational tests is provided).
 - g) Supply and installation of electrical conduit and wiring for power supply and controls of UV system.
 - h) Any civil and/or mechanical work required to support or install the UV system or its associated controls. This includes concrete pads and/or Unistrut.
 - i) Power surge protection and lightning strike protection devices to be provided by contractor.
 - j) All transformers, circuit breakers and disconnect devices prior to the UV system enclosures are to be provided by electrical contractor.
 - k) Labor and installation of UV modules and electrical enclosures.
 - l) Contractor to supply stainless steel anchor bolts for component installation.

Glasco UV Warranty

The warranty period is 18 months from date of delivery or 12 months from date of the Certification of Substantial Completion whichever comes first. It covers all failures due to defects in material and/or workmanship excluding consumables (see separate lamp and ballast warranties below).

This warranty shall not apply to any failure or defect which results from the Equipment not being operated and maintained in strict accordance with instructions specified in Glasco UV's Instructions Manual or which results from mishandling, misuse, neglect, improper storage, improper operation of the Equipment with other equipment furnished by the Customer or by other third parties or from defects in designs or specifications furnished by or on behalf of the Customer by a person other than Glasco UV. In addition, this warranty shall not apply to Equipment that has been altered or repaired after start-up by any one except:

- Authorized representatives of Glasco UV, or
- Customer acting under specific instructions from Glasco UV.

Customer must notify Glasco UV in writing within 5 days of the date of any Equipment failure. This notification shall include a description of the problem, a copy of the operator's log, a copy of the Customer's maintenance record and any analytical results detailing the problem. If Customer has not maintained the operator's log and maintenance record in the manner directed in the Operation and Maintenance manual, or does not notify Glasco UV of the problem as specified above, this warranty may, in Glasco UV's discretion, be invalid.

Customer will fully cooperate with Glasco UV, in the manner requested by Glasco UV, in attempting to diagnose and resolve the problem by way of telephone support. If the problem can be diagnosed by telephone support and a replacement part is required, Glasco UV will either, at Glasco UV's expense, ship a repaired, reworked or new part to the Customer who will install such part as directed by Glasco UV or will direct Customer to acquire, at Glasco UV's expense, such part from a third party and then install such part as directed by Glasco UV.

This warranty is the exclusive remedy of the Customer for all claims based on a failure of or defect in the Equipment, whether the claim is based on contract (including fundamental breach), tort (including negligence), strict liability or otherwise. This warranty is lieu of all other warranties whether written, oral, implied or statutory. Without limitation, no warranty of merchantability or fitness for a particular purpose shall apply to the Equipment.

Lamp Warranty

Each low pressure, high output lamp is guaranteed for 13,000 hours operating time under normal operating conditions. Normal operating conditions include:

- On/off cycles max. 4 per 24 operating hours,
- Voltage fluctuations according to DIN IEC 38.

In case of premature lamp failure, the client is requested to send the lamp back to Glasco UV together with the information of UV unit serial number, hours run and on/off cycles. Glasco UV then offers the following:

- Lamp failure before 9,000 h: Glasco UV will send a replacement lamp free of charge,
- Lamp failure after 9,000 h: Glasco UV will issue a credit proportional to the hours not used.

Upon return to our facilities in Mahwah, NJ, we will dispose/recycle all used and failed lamps at no charge to the client.

Terms & Conditions

1. **Applicable Terms.** These terms govern the purchase and sale of the equipment and related services, if any (collectively, "Equipment"), referred to in Seller's purchase order, quotation, proposal or acknowledgment, as the case may be ("Seller's Documentation"). Whether these terms are included in an offer or an acceptance by Seller, such offer or acceptance is conditioned on Buyer's assent to these terms. Seller rejects all additional or different terms in any of Buyer's forms or documents.
2. **Payment.** Buyer shall pay Seller the full purchase price as set forth in Seller's Documentation. Unless Seller's Documentation provides otherwise, freight, storage, insurance and all taxes, duties or other governmental charges relating to the Equipment shall be paid by Buyer. If Seller is required to pay any such charges, Buyer shall immediately reimburse Seller. All payments are due within 30 days after receipt of invoice. Buyer shall be charged the lower of 1 ½% interest per month or the maximum legal rate on all amounts not received by the due date and shall pay all of Seller's reasonable costs (including attorneys' fees) of collecting amounts due but unpaid. All orders are subject to credit approval.
3. **Delivery.** Delivery of the Equipment shall be in material compliance with the schedule in Seller's Documentation. Unless Seller's Documentation provides otherwise, Delivery terms are F.O.B. Seller's facility.
4. **Ownership of Materials.** All devices, designs (including drawings, plans and specifications), estimates, prices, notes, electronic data and other documents or information prepared or disclosed by Seller, and all related intellectual property rights, shall remain Seller's property. Seller grants Buyer a non-exclusive, non-transferable license to use any such material solely for Buyer's use of the Equipment. Buyer shall not disclose any such material to third parties without Seller's prior written consent.
5. **Changes.** Seller shall not implement any changes in the scope of work described in Seller's Documentation unless Buyer and Seller agree in writing to the details of the change and any resulting price, schedule or other contractual modifications. This includes any changes necessitated by a change in applicable law occurring after the effective date of any contract including these terms.
6. **Warranty.** Subject to the following sentence, Seller warrants to Buyer that the Equipment shall materially conform to the description in Seller's Documentation and shall be free from defects in material and workmanship. The foregoing warranty shall not apply to any Equipment that is specified or otherwise demanded by Buyer and is not manufactured or selected by Seller, as to which (i) Seller hereby assigns to Buyer, to the extent assignable, any warranties made to Seller and (ii) Seller shall have no other liability to Buyer under warranty, tort or any other legal theory. If Buyer gives Seller prompt written notice of breach of this warranty within 18 months from delivery or 1 year from acceptance, whichever occurs first (the "Warranty Period"), Seller shall, at its sole option and as Buyer's sole remedy, repair or replace the subject parts or refund the purchase price therefore. If Seller determines that any claimed breach is not, in fact, covered by this warranty, Buyer shall pay Seller its then customary charges for any repair or replacement made by Seller. Seller's warranty is conditioned on Buyer's (a) operating and maintaining the Equipment in accordance with Seller's instructions, (b) not making any unauthorized repairs or alterations, and (c) not being in default of any payment obligation to Seller. Seller's warranty does not cover damage caused by chemical action or abrasive material, misuse or improper installation (unless installed by Seller). THE WARRANTIES SET FORTH IN THIS SECTION ARE SELLER'S SOLE AND EXCLUSIVE WARRANTIES AND ARE SUBJECT TO SECTION 10 BELOW. SELLER MAKES NO OTHER WARRANTIES OF ANY KIND, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE.
7. **Indemnity.** Seller shall indemnify, defend and hold Buyer harmless from any claim, cause of action or liability incurred by Buyer as a result of third party claims for personal injury, death or damage to tangible property, to the extent caused by Seller's negligence. Seller shall have the sole authority to direct the defense of and settle any indemnified claim. Seller's indemnification is conditioned on Buyer (a) promptly, within the Warranty Period, notifying Seller of any claim, and (b) providing reasonable cooperation in the defense of any claim.
8. **Force Majeure.** Neither Seller nor Buyer shall have any liability for any breach (except for breach of payment obligations) caused by extreme weather or other act of God, strike or other labor shortage or disturbance, fire, accident, war or civil disturbance, delay of carriers, failure of normal sources of supply, act of government or any other cause beyond such party's reasonable control.
9. **Cancellation.** If Buyer cancels or suspends its order for any reason other than Seller's breach, Buyer shall promptly pay Seller for work performed prior to cancellation or suspension and any other direct costs incurred by Seller as a result of such cancellation or suspension.
10. **LIMITATION OF LIABILITY.** NOTWITHSTANDING ANYTHING ELSE TO THE CONTRARY, SELLER SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL, INCIDENTAL, SPECIAL, PUNITIVE OR OTHER INDIRECT DAMAGES, AND SELLER'S TOTAL LIABILITY ARISING AT ANY TIME FROM THE SALE OR USE OF THE EQUIPMENT SHALL NOT EXCEED THE PURCHASE PRICE PAID FOR THE EQUIPMENT. THESE LIMITATIONS APPLY WHETHER THE LIABILITY IS BASED ON CONTRACT, TORT, STRICT LIABILITY OR ANY OTHER THEORY.
11. **Reservation Clause.** Buyer acknowledges that Seller is required to comply with applicable export laws and regulations relating to the sale, exportation, transfer, assignment, disposal and usage of the Equipment provided under this Agreement, including any export license requirements. Buyer agrees that such Equipment shall not at any time directly or indirectly be used, exported, sold, transferred, assigned or otherwise disposed of in a manner which will result in non-compliance with such applicable export laws and regulations. It shall be a condition of the continuing performance by Seller of its obligations hereunder that compliance with such export laws and regulations be maintained at all times. BUYER AGREES TO INDEMNIFY AND HOLD SELLER HARMLESS FROM ANY AND ALL COSTS, LIABILITIES, PENALTIES, SANCTIONS AND FINES RELATED TO NON-COMPLIANCE WITH APPLICABLE EXPORT LAWS AND REGULATIONS.
12. **Miscellaneous.** If these terms are issued in connection with a government contract, they shall be deemed to include those federal acquisition regulations that are required by law to be included. These terms, together with any quotation, purchase order or acknowledgement issued or signed by the Seller, comprise the complete and exclusive statement of the agreement between the parties (the "Agreement") and supersede any terms contained in Buyer's documents, unless separately signed by Seller. No part of the Agreement may be changed or cancelled except by a written document signed by Seller and Buyer. No course of dealing or performance, usage of trade or failure to enforce any term shall be used to modify the Agreement. If any of these terms is unenforceable, such term shall be limited only to the extent necessary to make it enforceable, and all other terms shall remain in full force and effect. Buyer may not assign or permit any other transfer of the Agreement without Seller's prior written consent. The Agreement shall be governed by the laws of the State of New Jersey without regard to its conflict of laws provisions.

March 11, 2022

To the Members of the Board
East Goshen Municipal Authority
West Chester, Pennsylvania

We have audited the financial statements of the East Goshen Municipal Authority as of and for the year ended December 31, 2021, and have issued our report thereon dated March 8, 2021. Professional standards require that we advise you of the following matters relating to our audit.

OUR RESPONSIBILITY IN RELATION TO THE FINANCIAL STATEMENT AUDIT

As communicated in our engagement letter dated January 13, 2022, our responsibility, as described by professional standards, is to form and express an opinion(s) about whether the financial statements that have been prepared by management with your oversight are presented fairly, in all material respects, in conformity with accounting principles generally accepted in the United States of America. Our audit of the financial statements does not relieve you or management of your respective responsibilities.

Our responsibility, as prescribed by professional standards, is to plan and perform our audit to obtain reasonable, rather than absolute, assurance about whether the financial statements are free of material misstatement. An audit of financial statements includes consideration of internal control over financial reporting as a basis for designing audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control over financial reporting. Accordingly, as part of our audit, we considered the internal control of East Goshen Municipal Authority solely for the purpose of determining our audit procedures and not to provide any assurance concerning such internal control.

We are also responsible for communicating significant matters related to the audit that are, in our professional judgment, relevant to your responsibilities in overseeing the financial reporting process. However, we are not required to design procedures for the purpose of identifying other matters to communicate to you.

PLANNED SCOPE AND TIMING OF THE AUDIT

We conducted our audit consistent with the planned scope and timing we previously communicated to you.

COMPLIANCE WITH ALL ETHICS REQUIREMENTS REGARDING INDEPENDENCE

The engagement team, others in our firm, as appropriate, and our firm have complied with all relevant ethical requirements regarding independence.

To the Members of the Board
East Goshen Municipal Authority

- 2 -

March 11, 2022

SIGNIFICANT RISKS IDENTIFIED

We have identified the following significant risks:

- Risk of Management Override of Internal controls - Even though internal control over financial reporting may appear to be well-designed, controls that are otherwise effective can be overridden by management
- Improper Revenue Recognition - Risk that revenue will be improperly recognized due to management override of controls or fraud.

QUALITATIVE ASPECTS OF THE ENTITY'S SIGNIFICANT ACCOUNTING PRACTICES

Significant Accounting Policies

Management has the responsibility to select and use appropriate accounting policies. A summary of the significant accounting policies adopted by the East Goshen Municipal Authority is included in Note A to the financial statements. There have been no initial selection of accounting policies and no changes in significant accounting policies or their application during the year. No matters have come to our attention that would require us, under professional standards, to inform you about (1) the methods used to account for significant unusual transactions and (2) the effect of significant accounting policies in controversial or emerging areas for which there is a lack of authoritative guidance or consensus.

Significant Accounting Estimates

Accounting estimates are an integral part of the financial statements prepared by management and are based on management's current judgments. Those judgments are normally based on knowledge and experience about past and current events and assumptions about future events. Certain accounting estimates are particularly sensitive because of their significance to the financial statements and because of the possibility that future events affecting them may differ markedly from management's current judgments.

Financial Statement Disclosures

The financial statement disclosures are neutral, consistent and clear.

To the Members of the Board
East Goshen Municipal Authority

- 3 -

March 11, 2022

SIGNIFICANT UNUSUAL TRANSACTIONS

For purposes of this communication, professional standards require us to communicate to you significant unusual transactions identified during our audit. There were no significant unusual transactions identified as a result of our audit procedures that were brought to the attention of management.

SIGNIFICANT DIFFICULTIES ENCOUNTERED DURING THE AUDIT

We encountered no significant difficulties in dealing with management relating to the performance of the audit.

UNCORRECTED AND CORRECTED MISSTATEMENTS

For purposes of this communication, professional standards require us to accumulate all known and likely misstatements identified during the audit, other than those that we believe are trivial, and communicate them to the appropriate level of management. We did not identify any misstatements during our audit.

DISAGREEMENTS WITH MANAGEMENT

For purposes of this letter, professional standards define a disagreement with management as a matter, whether or not resolved to our satisfaction, concerning a financial accounting, reporting, or auditing matter, which could be significant to East Goshen Municipal Authority's financial statements or the auditors' report. No such disagreements arose during the course of the audit.

REPRESENTATIONS REQUESTED FROM MANAGEMENT

We have requested certain written representations from management, which are included in the management representation letter dated March 8, 2022.

MANAGEMENT'S CONSULTATIONS WITH OTHER ACCOUNTANTS

In some cases, management may decide to consult with other accountants about auditing and accounting matters. Management informed us that, and to our knowledge, there were no consultations with other accountants regarding auditing and accounting matters.

To the Members of the Board
East Goshen Municipal Authority

- 4 -

March 11, 2022

OTHER SIGNIFICANT MATTERS, FINDINGS OR ISSUES

In the normal course of our professional association with the East Goshen Municipal Authority, we generally discuss a variety of matters, including the application of accounting principles and auditing standards, operating and regulatory conditions affecting the entity and operational plans and strategies that may affect the risks of material misstatement. None of the matters discussed resulted in a condition to our retention as the East Goshen Municipal Authority's auditors.

This report is intended solely for the information and use of the Members of the Board and management of the East Goshen Municipal Authority and is not intended to be and should not be used by anyone other than these specified parties.

Very truly yours,

MAILLIE LLP
*Certified Public Accountants and
Business Consultants*



THE COUNTY OF CHESTER



COMMISSIONERS
Marian D. Moskowitz
Josh Maxwell
Michelle Kichline

Brian N. O'Leary, AICP
Executive Director

PLANNING COMMISSION
Government Services Center, Suite 270
601 Westtown Road
P. O. Box 2747
West Chester, PA 19380-0990
(610) 344-6285 Fax (610) 344-6515

Act 67 & 68 Notice of Permit Application - Chester County Response Letter

Date: April 6, 2022

Date Received	March 8, 2022
Applicant Name	Pennoni Associates Attn: Michael J. Ellis
Applicant Address	121 Continental Drive, Suite 207 Newark, DE 19713 mellis@pennoni.com
Project Name	Hershey's Mill Estates Sanitary Sewer Replacement - East Goshen Township

Determination of Consistency with the Chester County Comprehensive Plan, *Landscapes3* (2018) for the above referenced project:

- The Chester County Planning Commission declines to review the project for consistency with *Landscapes3*.
- The Chester County Planning Commission has previously reviewed this project and the Act 247 letter dated _____ indicates that the project was:
 - Consistent with *Landscapes3*
 - Inconsistent with *Landscapes3*
- The Chester County Planning Commission finds the project to be:
 - Consistent with *Landscapes3*
 - Inconsistent with *Landscapes3*

Additional Comments:


The proposed activity is consistent with the Goal for CONNECT, which supports the advancement of efficient, reliable and innovated utility infrastructure to responsibly serve thriving and growing communities.

Reviewed by:

Name	Glenn Bentley
Title	Senior Plan Reviewer
Signature	

Memorandum

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

Date: 4/7/2022
To: Municipal Authority
From: Mark Gordon, Township Zoning Officer 
Re: **Grinder Pump Agreement**
SD of 1506 Meadowbrook Dr. (Lot 1)
706 Hemlock Hill Ln. / 53-4-23.4

Dear Authority Members:

The Board of Supervisors approved a 2 lot SD and LD plan in 2018 for 1506 Meadowbrook Ln, and signed the final plans in 2019.

Raffi and Amanda Megerian have purchased Lot 1 of the subdivision and will be building a new single family home on the property. The project calls for a grinder pump to convey the sanitary sewer to the Township sewer main located on the west side of lot 2. The plan calls for an E One dual grinder pump system, DH152.

The property owners have completed the Grinder Pump agreement and submitted it for approval by the Municipal Authority.

Staff Recommendation:

Staff has reviewed the project plans and recommend that the Authority authorize the Chairman to sign the Grinder Pump Agreement for 1506 Meadowbrook Ln, LOT 1 (706 Hemlock Hill Ln.)

Draft Motion:

I move that the Authority authorize the Chairman to sign the Grinder Pump Agreement for 1506 Meadowbrook Ln, LOT 1 (706 Hemlock Hill Ln.)

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

April 8, 2022

To: Municipal Authority

From: Mark Miller

Ref: Polyethylene Tank and Pumps pricing

CTS Coastal Technical sales: \$20,140.00

Pyrz Water Supply Co. Inc. \$31,760.00

Level Sensor: \$1,725.00

Mike Ellis and I have reviewed the quotes and recommend the Authority purchase the equipment from **PYRZ Water and supply for the tank \$31,760.00**

Level Sensor \$1,725.00

Although Pyrz is more expensive they meet our specification for the tank material.

Sue Smith

From: Michael Ellis <MEllis@Pennoni.com>
Sent: Friday, April 8, 2022 10:07 AM
To: Sue Smith
Cc: Mark Miller; David Ware; Derek Davis; Erika Addison
Subject: RCSTP Caustic Soda - Tank and Feed Pump Quotes
Attachments: pennoni_east goshen_3000_double_walled_Rev.2.docx; 58909-Pennoni Associates - East Goshen_Assmann Tank.pdf; 58912-Pennoni- East Goshen_Pulsafeeder-10GPH.pdf

Hi Sue,

Please include these quotes and email in the MA packet with an agenda item to consider the quotes for approval. There are two vendor quotes for the caustic tank attached and one for the recommended chemical feed pump. Summary follows:

Tank

- Edwards Fiberglass Double Walled 8' Dia Tank – \$20,140 + Freight
 - We are requesting the freight cost by Monday
 - We are checking with the vendor if this is available on CoStars
- Assmann Model IMT3050 L19 / L19 Polyethylene Tank - \$31,760 (including freight)
 - Optional Ultrasonic Level Sensor - \$1,725 (including freight)
 - \$33,485 Total including freight
 - Is available on CoStars

Current recommendation – Assman with level sensor option because of tank material (PE is one piece molded whereas FRP has seams, more corrosion resistant to chemicals and weather, and less requirements for inspections and maintenance as a result), availability on Costars, and added features

Chemical Feed Pumps

Will be diaphragm pumps at the operator's request. 5 new pumps are needed. There is one existing spare from the trial that will remain as a spare. Prices below are TOTAL combined price for 5 pumps.

- Blue-White pumps were excluded because they were more costly, and their automatic features are considered unnecessary for this application – will be \geq \$9,000
- Pulsafeeder LPK7SA-WTC3-XXX rated for 8.0 GPH @ 50 PSI – not recommended due to lower pump rate than next Pulsafeeder option even though the pump rate would be adequate based on the trial (4.4 GPH minimum required) and it would only be a savings of approx \$100/pump
- Pulsafeeder LPJ7SA-WTC3-XXX rated for 10 GPH @ 80 PSI - \$7,480 (including freight); quote attached
 - Is not listed on CoStars. Steve Pyrz said that they can probably add Pulsafeeder to CoStars, but it will take time.
- ProMinent Fluid Controls Model Gamma/XL 0450 rated for 13.2 GPH @ 58 psig (formerly Model DLTA0450PVT rated for 12.95 GPH @ 58 psig)
 - Vendor (LRM) has not responded to requests for updated quotes, but prior quotes were more expensive than all other options.

Recommendation – Pulsafeeder 10 GPH pumps provided they can be purchased direct without CoStars since the cost is under bidding thresholds.

Cost vs. Budget

The total cost for the Assman tank and recommended Pulsafeeder pumps would be \$40,965. The project budget, funded primarily by a grant, was developed in 2019 and estimated \$30,000 for the tank and \$16,000 for the pumps for a total of \$46,000. The actual quotes are less than the budget for these items.

Mike

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



[Pennoni partners with MeterSYS](#)

Pyrz Water Supply Co. Inc.

P.O. Box 107
Harleysville, Pennsylvania 19438
(215) 256-8430 / Fax (215) 256-8567
www.pyrzwater.com

TO: Pennoni Associates

QUOTATION NO: 58909

DATE: March 30, 2022

SUBJECT: East Goshen Twp Ridley Creek

ATTN: Erika Addison

QUANTITY**DESCRIPTION**

We are pleased to quote as follows:

1 Assmann Model IMT3050 L19 / L19 Polyethylene Tank

SERVICE: Sodium Hydroxide 25%

CONFIGURATION: Double wall, vertical, cylindrical, flat bottom, domed top head

CAPACITY: 3050 US Gallons (nominal) in straight side

DIMENSIONS: 96" DIAMETER

118.5" STRAIGHT WALL

137-3/4" OVERALL HEIGHT (not including top accessories)

CONSTRUCTION: Rotationally molded for a seamless, one-piece tank

MATERIAL: Linear Polyethylene

DESIGN: Tank rated for up to 1.9 specific gravity product

No internal pressure or vacuum

No windload or seismic calculations

Tanks designed and fabricated in accordance with ASTM D1997-98 standards

SUPPORT: Tank to rest flat on floor or pad, bottom must be fully supported

MANWAY: (1) 16" DIA top access manway with lever locking manway

FITTINGS: (1) 3" PVC bulkhead fitting w/ EPDM gasket for VENT (TOP)
(1) 2" PVC bulkhead fitting w/ EPDM gasket for FILL (TOP)
(1) 2" PVC bulkhead fitting w/ EPDM gasket for LEVEL (TOP)
(1) 2" 316SS Thru-Wall w/ EPDM gasket for PUMP SUCTION (SIDE)
(1) 2" PVC bulkhead fitting w/ EPDM gasket for LEVEL INSTRUMENT (TOP)

ACCESSORIES:

(1) Insulation Package: 2.5 lb./CF Urethane foam with mastic coating. "R" value is approx. 13.76

(1) Heat Tracing: Nema 4 control box with 115 vac dual thermostat, one high limit, one maintenance. Heating elements are adhesive backed.

- 50 deg. Delta "T".
- (1) Polyethylene Restraint & Lifting Lug System with stainless cables
 - (1) Interstitial Leak Detection System
 - (1) FRP Ladder
 - (1) Reverse Float Indicator
 - (1) White phenolic plastic nameplate
 - (1) 2" PVC Fill Piping
 - (1) 2" Expansion Joints for side mounted fitting

TOTAL PRICE: F.O.B. points of origin with full freight allowed to jobsite ... \$ 31,760.00

- 1 Ultrasonic Level Sensor with Transducer and inter-connecting cable and local indicator
NOTE: Startup is not included.

TOTAL PRICE: F.O.B. points of origin with full freight allowed to jobsite ... \$ 1,725.00

Not Included: Wiring, piping, installation, tubing, unions, ball valves, tank certification if required, sales or use tax or any item not specifically noted above.

We hope to have the opportunity of furnishing the above for you.

Sincerely yours,
PYRZ WATER SUPPLY CO., INC.

Steve Pyrz



QUOTATION

March 25, 2022

Quote No: 09162021_Rev.2

Brian Miller, PE, ENV SP, CDT

Pennoni

121 Continental Drive, Suite 207 | Newark, DE 19713
Direct: +1 (302) 351-5266
www.pennoni.com | BMiller@Pennoni.com

Reference: East Goshen

Brian,

Thank you for the opportunity to quote. We are pleased to offer the following tanks manufactured by Edwards fiberglass

Qty	Description	Unit Price (\$)	Extended (\$)
1	<p>Scope of Work - Tank Designed and built to: ASTM D-3299 3,384 Nominal Gallons Tank Weight: 1,151 Thickness suitable for Atmospheric pressure 120 mil. Liner (1) 8'-0" Dia. x 9'-0" St. Wall, Double Wall, Vertical tank(s) with Dome top(s) and Flat bottom(s). Service: 25% Sodium Hydroxide Sp.G.: 1.2 Max Temp.: Ambient Slope: None Foam: None Liner Resin: Corezyn 8301 Structural Resin: Isophthalic Veil: Nexus Color: Grey w/ UV Inhibitor Tank Specs: BPO/DMA Cure: No Post Cure: 4 Hr. Hydrotest: None Bolting: 304 S.S. Qty: Item: <i>Flanges</i> 2 2" Flanged Nozzle w/ Gussets 2 3" Flanged Nozzle w/ Gussets Qty: Item: <i>Hold Downs</i> 4 304 S.S. Type I Hold Downs Lugs Qty: Item: <i>Lifting Lugs</i> 4 304 S.S. Lifting Lugs Qty: Item: <i>Manways</i> 1 24" Top Manway w/ FRP Cover and EPDM Gasket Qty: Item: <i>Vents</i> 1 6" FRP Gooseneck with bird screen</p>	20,140.00	20,140.00
	Estimated freight		TBD



Quotation Notes:

1. PAYMENT TERMS: Net 30 Days
2. FOB: Manufacturer location
3. EST. SHIP: 10-12 weeks after drawing approval
4. DRAWINGS: (1-2) Weeks ARO
5. NOTE: Lead times are subject to prior sale
6. FREIGHT: Prepaid & add to invoice
7. VALIDITY: 30 days
8. At the discretion of CTS or the manufacturer, drawings marked "approved as noted" may be re-submitted for a final approval of changes PRIOR to placing the order into production
9. Please reference this quote on any subsequent orders for material.
- 10.* We reserve the right to update pricing if release for fabrication is not received within 60 days of receipt of written purchase order
- 11.* If an item is not shown, it is not part of our scope of supply
- 12.* Unless otherwise provided in this quotation, pricing is based on (i) acceptance of manufacturers Limited Warranty and CTS' Standard Terms & Conditions of Sale, (ii) acceptance of our standard insurance and (iii) quote excludes installation, permits, craning, applicable taxes, duties and tariffs.
- 13.* This quotation is based on our interpretation of information provided for bidding. Prices are subject to adjustment for any revisions or additions to the specifications, scope of work and/or material listing.
- 14.* If other/additional insurance is required for the project, additional fees may apply.

If you have any questions, or need any further information, please feel free to call.

Thank you

E.J. Monahan

610-692-7171
www.eastgoshen.org

BOARD OF SUPERVISORS
EAST GOSHEN TOWNSHIP

CHESTER COUNTY
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

April 8, 2022

To: Municipal Authority

From: Mark Miller

Ref: Pulse Feeder Pumps

Pyrz Water Supply Co. Inc.

Pyrz has quoted on the 5 pumps \$7480.00 . Mike and I both agree that these are the right pumps for this application.

Pyrz Water Supply Co. Inc.

P.O. Box 107
Harleysville, Pennsylvania 19438
(215) 256-8430 / Fax (215) 256-8567
www.pyrzwater.com

TO: Pennoni Associates

QUOTATION NO: 58912

DATE: March 30, 2022

SUBJECT: East Goshen

ATTN: Erika Addison

QUANTITY	DESCRIPTION
----------	-------------

We are pleased to quote as follows:

- | | |
|---|---|
| 5 | Pulsafeeder Model LPJ7SA-WTC3-XXX Series E+ chemical metering pump capable of 10.0 GPH against 80 psi. Pump constructed with PVC head and fittings, Ceramic balls, Teflon seals and O-rings and Teflon-faced diaphragm. Includes foot valve/strainer, injection/check assembly, and 1/2" OD tubing. Pump is manual stroke speed and length. |
|---|---|

TOTAL PRICE: F.O.B. points of origin **with full freight allowed** to jobsite ...\$ 7480.00

Not Included: Wiring, piping, installation, startup service, sales or use tax or any item not specifically noted above.

We hope to have the opportunity of furnishing the above for you.

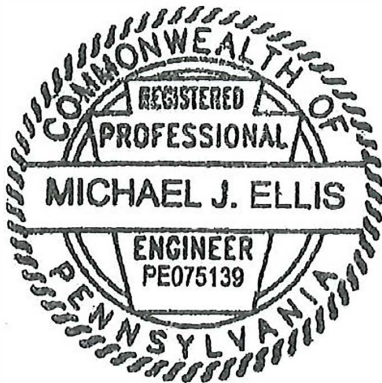
Sincerely yours,
PYRZ WATER SUPPLY CO., INC.

Steve Pyrz

FYI

**Chapter 94
Municipal Wasteload Management
Annual Report**

**2021
East Goshen Municipal Authority
WESTTOWN SERVICE AREA
Chester County, Pennsylvania**



Prepared by:
Pennoni
121 Continental Drive
Suite 207
Newark, DE 19713

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

Preparer:



Michael J. Ellis, PE
Pennoni Associates Inc.

Permittee:



Derek Davis
East Goshen Township Manager

EGMAU22003

**2021 Chapter 94 Report for Westtown Service Area
East Goshen Municipal Authority
Chester County, Pennsylvania**

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FIGURES

- Figure 1 Chapter 94 Township Wastewater Facilities
- Figure 2 Westtown Service Area

**2021 Chapter 94 Report for Westtown Service Area
East Goshen Municipal Authority
Chester County, Pennsylvania**

1.0 INTRODUCTION

East Goshen Municipal Authority (Authority) provides public wastewater service to the majority of East Goshen Township (Township) and a limited number of residences in neighboring West Goshen, West Whiteland, and Willistown Townships in Chester County. The Authority contracts with East Goshen Township to operate the sanitary sewer systems. The Authority owns and the Township operates the Ridley Creek Sewage Treatment Plant.

The remaining public wastewater customers have their wastewater treated by West Goshen Township (West Goshen Service Area) or Westtown Township (Westtown Service Area) through intermunicipal agreements with East Goshen Township. The Westtown Service Area is the subject of this report.

The Westtown Service Area, illustrated in Figures 1 and 2, includes the Summit House and Cider Knoll condominiums located on the southern border of the Township between West Chester Pike and Manley Road. Summit House contains 426 units and Cider Knoll contains 96 units for a total count of 522 residential condominium units.

Originally, both Summit House and Cider Knoll had their wastewater treated at Westtown's Sewage Treatment Plant (NPDES #PA0031771) through an intermunicipal agreement. In 1998, a pump station at Summit House failed, and rather than replacing the pump station, a gravity line to East Goshen's existing Chester Creek Collection System (West Goshen Service Area) in West Chester Pike was constructed, diverting 102 units from Westtown to East Goshen. The sewage is then conveyed to West Goshen's Sewage Treatment Plant (NPDES #PA0028584) for treatment and disposal.

The result is that wastewater from 420 condominiums is conveyed entirely via private sewers to Westtown's public sewer system for treatment at Westtown's Sewage Treatment Plant. The wastewater from the other 102 condominiums is conveyed entirely via private sewers to East Goshen's public sewers in the Chester Creek Collection System (West Goshen Service Area) for treatment at West Goshen's Sewage Treatment Plant. The 102 units that flow to West Goshen count against the intermunicipal agreement between Westtown and West Goshen and are not included in East Goshen's 1,000,000 gpd intermunicipal agreement with West Goshen.

The collection system consists of gravity sewers and precast concrete manholes. The collection system was constructed in accordance with the then current Township specifications.

2.0 HYDRAULIC AND ORGANIC LOADINGS

Treatment of wastewater from the Westtown Service Area is provided by Westtown and West Goshen Township. Historic and projected organic and hydraulic loadings on the receiving treatment plants are covered under the Westtown and West Goshen Township Chapter 94 Reports.

**2021 Chapter 94 Report for Westtown Service Area
East Goshen Municipal Authority
Chester County, Pennsylvania**

2.1 Hydraulic Loading

The Westtown Service Area is developed and includes the Summit House and Cider Knoll condominiums. There have been no additions to the service area since Summit House and Cider Knoll were constructed many years ago. The flow to Westtown is not metered but has been estimated at 200 gpd per condominium unit in accordance with the intermunicipal agreement. Therefore, it is estimated that approximately 84,000 gpd flow to Westtown and 20,400 gpd flow to West Goshen. A historic hydraulic loading table and line graph were not prepared because the flows are estimated, no notable flow changes have been identified in several years, and there are no projected additional connections.

2.2 Organic Loading

The Westtown Service Area is a collection and conveyance system so this section is not applicable to this report. Treatment of wastewater from the Westtown Service Area is provided by Westtown and West Goshen.

3.0 5-YEAR HYDRAULIC AND ORGANIC LOADING PROJECTIONS

The Westtown Service Area is built-out, and therefore no changes to the current hydraulic or organic loadings are anticipated.

4.0 SEWER EXTENSIONS

The Westtown Service Area only services Summit House and Cider Knoll, which are built-out. There were no new extensions in 2021, and there are no projected sewer extensions or connections.

5.0 PROGRAM FOR SANITARY SEWER MONITORING, MAINTENANCE, AND REPAIR

The Summit House and Cider Knoll condominium associations are responsible for the operation and maintenance of their privately owned sewage collection systems within their developments. The Authority is not aware of repair or rehabilitation of the private sewers by the Summit House and/or the Cider Knoll condominium associations in 2021.

The Township performs maintenance, repair, and rehabilitation of the public sewers in East Goshen's Chester Creek Collection System (West Goshen Service Area) on an as-needed basis. Maintenance, repair, and rehabilitations performed in 2021 in East Goshen's Chester Creek Collection System are addressed in East Goshen's West Goshen Service Area tributary report that is included in the West Goshen Township's Sewage Treatment Plant Chapter 94 Report. Any required maintenance, repairs, and/or rehabilitation would typically be performed by East Goshen Township's Public Works Department. The Township has eight people along with sundry equipment, all of which can be made available under emergency conditions. The Authority Engineer, Pennoni (an engineering consulting firm with a staff of professional engineers) provides technical assistance as needed.

**2021 Chapter 94 Report for Westtown Service Area
East Goshen Municipal Authority
Chester County, Pennsylvania**

6.0 CONDITION OF THE SEWER SYSTEM

The collection system within the Westtown Service Area consists of 8-inch sewer mains which have a capacity of approximately 460,000 gpd at minimum slope (0.4 ft per 100 ft). The sewers in the Westtown Service Area are therefore not overloaded based upon estimated flows.

There were no reported Sanitary Sewer Overflows (SSOs) in this service area in 2021. Furthermore, the Authority is not aware of any bypassing, overflows, surcharging, excessive inflow and infiltration, or other problems within this service area. The Summit House and Cider Knoll condominium associations are responsible for the operation and maintenance of the private sewage collection systems within their respective developments. The Authority is not aware of any rehabilitation or cleaning being performed or planned by those condominium associations.

7.0 SEWAGE PUMPING STATIONS

There are no pumping stations in the Westtown Service Area.

8.0 INDUSTRIAL WASTES

The Westtown Service Area is entirely residential, and there are no industrial waste dischargers.

9.0 CORRECTIVE ACTION PLAN

There are no existing or projected overloads in the Westtown Service Area; therefore, there is not a corrective action plan for the Westtown Service Area.

10.0 CALIBRATION REPORTS

There are no meters in the Westtown Service Area; therefore, there are no calibration reports.

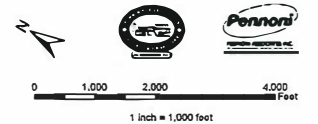
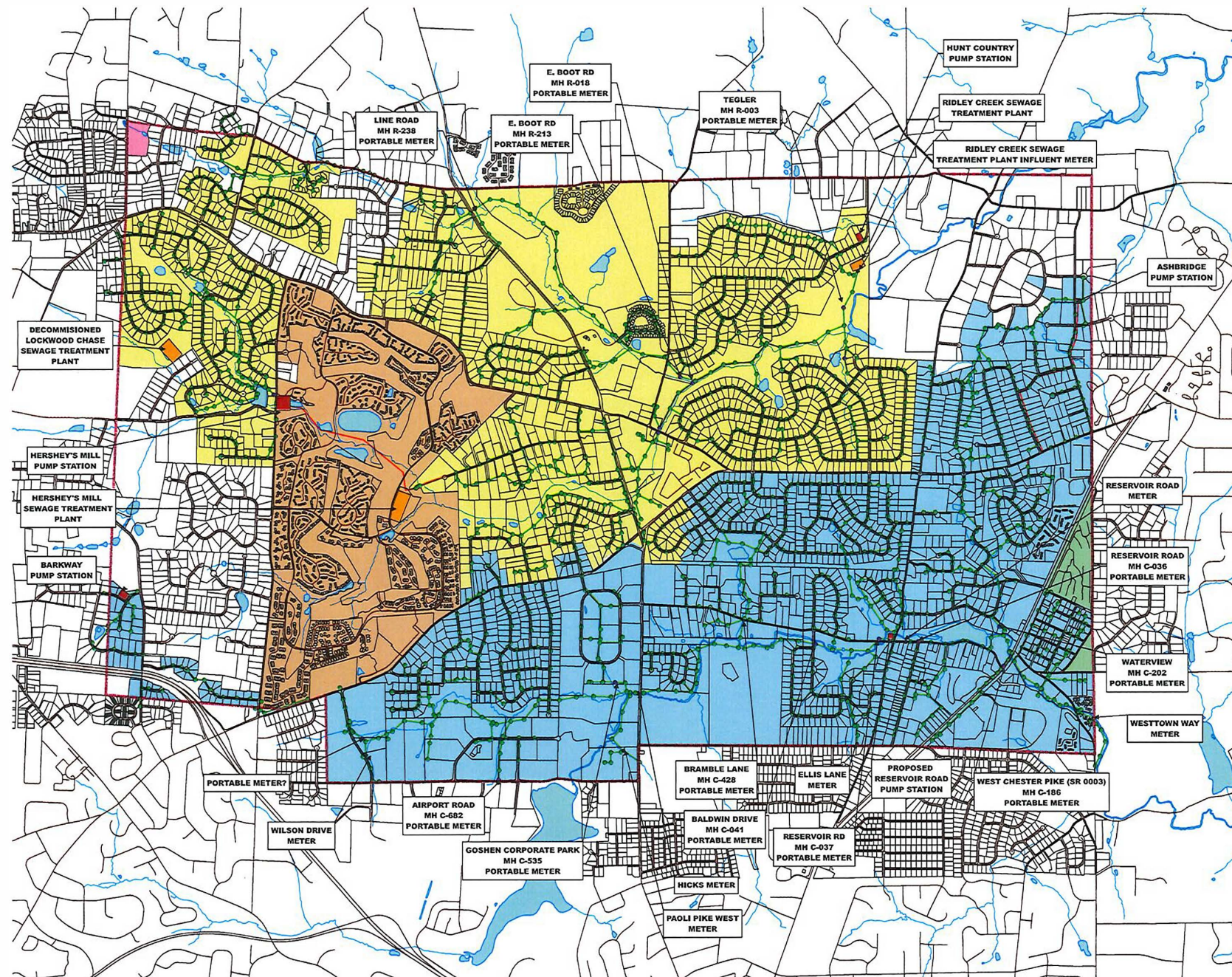
11.0 TRIBUTARY MUNICIPALITY REPORTS

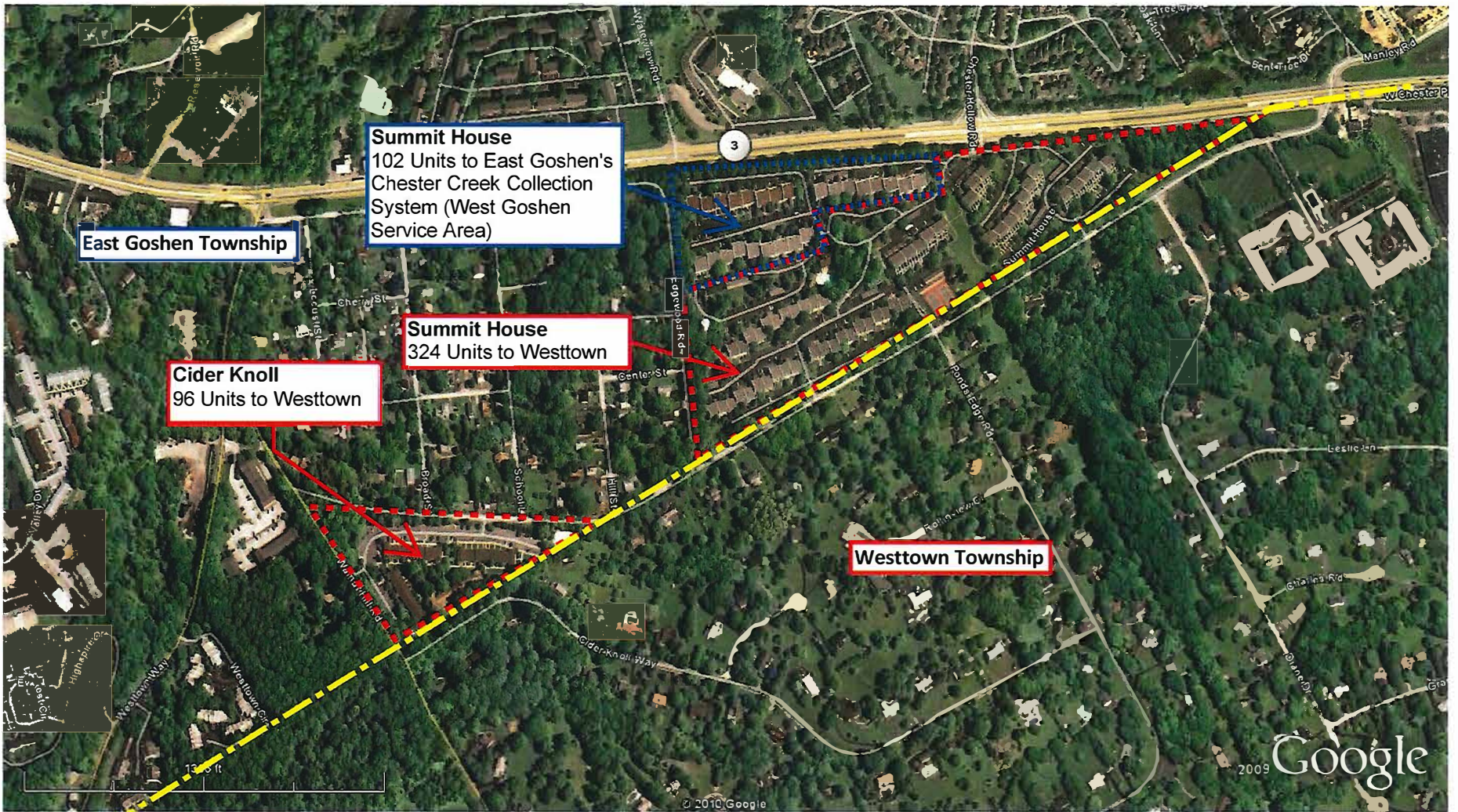
The Westtown Service Area only services Summit House and Cider Knoll condominiums; therefore, there are no tributary municipality reports.

EAST GOSHEN WASTEWATER FACILITIES FIGURE 1

Legend

- Roads
- TOWNSHIP BOUNDARY
- PUMP STATION
- SEWAGE TREATMENT PLANT
- PERMANENT METER
- PORTABLE METER
- SANITARY MANHOLE
- Parcels_assessment
- PONDS & LAKES
- RIVERS
- FORCEMAIN
- SANITARY SEWER
- EAST WHITELAND SERVICE AREA
- HERSHEY'S MILL SERVICE AREA
- RIDLEY CREEK SERVICE AREA
- WEST GOSHEN SERVICE AREA
- WESTTOWN SERVICE AREA





East Goshen Township Chapter 94 Report

Figure 2 - Westtown Service Area

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

MA
COPY

FYI

March 25, 2022

Mr. & Mrs. Robert L. Gionfriddo
1546 King George Ct.
West Chester, PA 19380

RE: 1577 Colonial Lane Sewer Tap-In

Dear Mr. & Mrs. Gionfriddo,

The East Goshen Township Municipal Authority, at their November 8, 2021 meeting, revoked the sewer tap-in payment plan agreement that was presented to you for 1577 Colonial Lane. This payment plan agreement was not executed by you by October 15, 2021 as required.

The total tap in fee of \$7,148, is due and payable prior to connecting sewer at this property and prior to a U&O being issued.

Should you have any questions, I am here for you Monday-Friday from 8:00AM to 4:30PM so please do not hesitate to call.

Sincerely,

Chris Boylan

Chris Boylan
Senior Staff Accountant
East Goshen Township

EAST GOSHEN MUNICIPAL AUTHORITY

INSTALLMENT NOTE

For value received, I/We, (Owner) Robert L & Amanda Gionfriddo, jointly and severally, promise to pay to the order of EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY, the sum of Seven Thousand One Hundred Forty Eight Dollars (\$7,148) as payment of the Sewer Tapping Fee for the property at 1577 Colonial Lane, West Chester, PA 19380.

Payment shall be made in Twenty-Four (24) equal successive monthly installments of Two Hundred Ninety-Seven Dollars and Eighty-Four Cents (\$297.84). The first payment shall be made on first day of the month following completion of the sewer connection and subsequent monthly installments shall be paid on the same day of each succeeding calendar month until all payments have been made. A late payment of Twenty-Five Dollars (\$25.00) shall be imposed for each monthly payment not paid when due. The Owner shall have the right to pay the entire balance due at any time. The entire balance shall be payable in full upon any transfer or conveyance of my/our property being served by the East Goshen Township sewer system, the tapping fee for which is being financed by this note.

I/We do hereby empower any attorney of any court of record within the United States or elsewhere to appear for me/us and after one or more declarations filed, confess judgment against me/us as of any term for the above sum, with costs of suit and attorney's fees, for collection and release of all errors and without stay of execution and inquisition and extension upon any levy on real estate is hereby waived and condemnation agreed to, and the exemption of personal property from levy and sale on any execution hereon is also hereby expressly waived and no benefit of exemption be claimed under and by virtue of any exemption law now in force or which may be hereafter passed.

WITNESS my/our hand(s) and seal(s) this _____ day of _____ 2021.

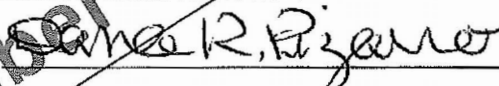
IN WITNESS WHEREOF, the parties have caused these presents to be executed the day and year first above written.

ATTEST:



EAST GOSHEN MUNICIPAL AUTHORITY

By:



Robert L. Gionfriddo

By: _____

ATTEST:

Amanda Gionfriddo

By: _____

East Goshen Township
ELECTRONIC PAYMENT PLAN AGREEMENT

This agreement is entered into by East Goshen Township, on behalf of East Goshen Township Municipal Authority, and Robert L. and Amanda Gionfriddo, (Property Owner/Resident) at property address 1577 Colonial Lane, West Chester, PA 19380 on (date) _____.

The East Goshen Township Municipal Authority, at their April 12, 2021 meeting, approved a payment plan for the sewer tie in at 1577 Colonial Lane subject to the following conditions.

Property Owner/Resident agrees to make timely monthly payments in the amount of \$297.84. The monthly amount of \$297.84 will be processed electronically on the 1st day of each month starting in December 2021 from the Property Owner/Resident's bank account provided. If the 1st of the month is a weekend, the payment will process on the next business day. Should the Owner/Resident's bank account information change, they are required to provide East Goshen Township with new bank account information before the 25th of the month prior to next scheduled payment.

It is the responsibility of the Property Owner/Resident to have the monthly installment amount in their bank account at the time the payment is due each month. If they default on the conditions of the payment agreement, the original amount \$7,148, minus all payments made to the Township pertaining to this agreement, will be required within 30 days.

If the Property Owner/Resident sells the property, Property Owner/Resident is required to make payment in full of the remaining balance owed, in the form of a certified check issued to East Goshen Township Municipal Authority, prior to settlement.

Property Owner/Resident acknowledges that the Township does not send out payment reminder notices for those residents on a payment plan.

By signing this form, the Property Owner/Resident authorizes East Goshen Township to instruct their banking institution to process their monthly payments from the account provided by the Property Owner/Resident via a voided check.

Robert Gionfriddo

Date

Amanda Gionfriddo

Date

Chris Boylan
Senior Staff Accountant

Date

610-692-7171

www.eastgoshen.org

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

October 12, 2021

Mr. & Mrs. Robert L. Gionfriddo
1546 King George Ct.
West Chester, PA 19380

RE: 1577 Colonial Lane Sewer Tap In

Dear Mr. & Mrs. Gionfriddo,

The East Goshen Township Municipal Authority, at their April 12, 2021 meeting, approved your payment plan for the sewer tap in at 1577 Colonial Lane. The total tap in fee is \$7,148, with the option of entering a payment plan for 24 months at \$297.84/month.

The payment agreement should have begun on the first day of the month following the tap in, but the execution of this agreement prior to that was an oversight on my part. If you are still interested in entering the payment plan, we will need **both Robert and Amanda to execute the installment note and bank electronic draft no later than October 29, 2021.**

Alternatively, if you prefer to pay the \$7,148 tap in fee in full, please issue a check, payable to East Goshen Township Municipal Authority, no later than October 29, 2021.

Please contact me no later than October 15, 2021, to schedule a time to stop in to the Township Building and drop off payment in full or for both Robert and Amanda to sign the original payment plan agreement and the bank electronic draft form. We will also need a voided check so we can get the draft set up with the bank.

Should you have any questions, I am here for you Monday-Friday from 8:00AM to 4:30PM so please do not hesitate to call.

Sincerely,

Chris Boylan

Chris Boylan
Senior Staff Accountant
East Goshen Township

cc: Mark Miller, Director of Public Works

Region 1 Spring Meeting

Thursday, April 21

FYI



Presidential Caterers of Distinction

2910 DeKalb Pike (Route 202)
East Norriton, PA 19401

www.presidentialctr.com

Agenda

6:30 pm

Cocktails & Hors d'oeuvres

7:30 pm

Dinner

Immediately following dinner
Presentations

Legislative Update - PMAA Staff

Intern Program Update - Shannon Drosnock, Montgomery Township Sewer Authority

Privatization - a presentation on the grass roots efforts to block the sale & privatization of local authorities

Updates on Legal Issues - Steve Hann, Esq., Hamburg, Rubin, Mullin, Maxwell & Lupin

Region 1 Director

Mike Sullivan
Warwick Township Water &
Sewer Authority

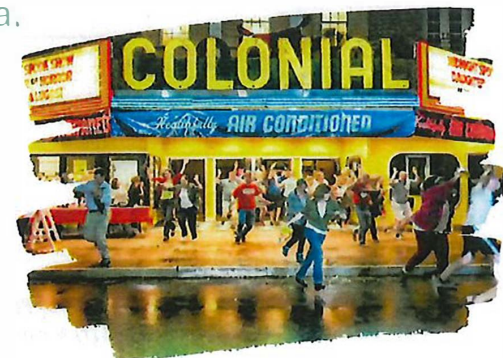


Region 1 Assistant Director

Shannon Drosnock
Montgomery Township Municipal
Sewer Authority

Fun Fact about Region 1

Do you like horror movies? Visit the historic Colonial Theatre in Phoenixville for Blobfest, a three-day horror extravaganza.



Region 1 Spring Meeting



Cost

Dinner: \$60 per person, Cash Bar

**Deadline for Reservations
Monday April 14, 2022**

Menu:

Buffet including Baby Spinach Salad, Carving Display of Roast Beef, Roasted Chicken Saltimbocca, Atlantic Salmon, Baked Lasagna and Ice Cream

Checks made payable to PMAA Region 1

Reservation and checks to be mailed to:

Attn: Lauri Halderson
Warwick Township Water & Sewer Authority
P.O. Box 315
Jamison PA 18929

For additional information or assistance please contact Mike Sullivan at (215)-343-3584 or by email at: msullivan@wtwsa.org or Lauri Halderson at lhalderson@wtwsa.org

Authority or Company Name _____

Contact Information:

Email: _____

Phone: _____

Guests Attending:

_____	_____
_____	_____
_____	_____
_____	_____



TO: PMAA MEMBER AUTHORITIES
FROM: DOUGLAS E. BILHEIMER, EXECUTIVE DIRECTOR
DATE: MARCH 21, 2022
SUBJECT: 2022 ROSTER SHEET... REMINDER

FYI

We have not yet received your 2022 Roster Sheet. Please review this copy and make any changes as outlined below. Return the original corrected copy to the PMAA office as soon as possible. Thank you!

Please Note: This print-out may contain typographical errors. Please check all information very closely and correct as required. Print corrections legibly, using red or bright ink (no pencil). PLEASE BE ACCURATE. This information is essential for printing the 2023 Directory, to assure correct addresses for mailings, and processing of membership dues.

PAGE 1

Section 1: Authority Information:

Authority facts: name, address, phone, fax, e-mail, website, type of project, type of authority.

Section 2: Revenue Information:

For **OPERATING Authorities** – Gross Revenues. Revise the gross revenue figure, and indicate the gross revenues for the authority's last completed fiscal year.

For **LEASE-BACK Authorities** – Leaseback Revenue – Revise the annual lease rental figure, and indicate the lease rental figure for the authority's last completed fiscal year.

If your authority is a COMBINATION Authority, with both Gross Revenues and Lease-Back Rentals, provide both figures in the appropriate spaces.

Section 3: Staff Information:

Revise any changes in the number of employees and board members.

Section 4: Important Information:

Please respond to these questions relating to the size of your system, the number of municipalities you serve, and if your authority has undertaken or is in the process of undertaking a stormwater project.

Section 5: Administrative Staff, Consultants, and Board Members in Listing

Administrative Staff – Provide name, title and email address for upper level management positions you wish to appear.

Over....

Officers & Board Members – Provide name, position, email address and home* address (**optional*).

Consultants – Provide name, firm, address, phone number, and email address for your Solicitor, Auditor, Engineer, Trustee, and Investment Banker, if applicable.

Make adjustments to the listing as required. Cross out members who are no longer on the board. Note changes to position on the board. Add any applicable individuals, in any of these categories (Administrative, Consultant, Officers and Board Members, with details), in the space provided (*below, above, or to the side*). A separate sheet can be attached if required.

Thank you for your assistance. If you have any questions, please contact Cindy Geesaman at PMAA, 717-737-7655.

Authority Information:

East Goshen Municipal Authority

1580 Paoli Pike
West Chester, PA 19380
Telephone: (610) 692-7171
Fax: (610) 692-8950
Email: egtadmin@eastgoshen.org
Website: www.eastgoshen.org
Type of Project: Sewer
Type of Authority: Leaseback

MEMBERSHIP ROSTER FOR 2022

FYI

Please verify that this information is correct and make any necessary changes in the space provided on the right.

Revenue Information: (Please provide gross revenue or lease rental figures for the past fiscal year)

Gross Revenues: <i>(Total from service charges if an Operating Authority)</i>	\$0.00
Fiscal Year Ends:	December 31
Leaseback Revenue: <i>(If Project is a Leaseback Authority)</i>	\$780,251.00
Bonded Debt:	\$8,596,000.00

Change:

Staff Information:

Number of Full-Time Employees:	23
Number of Part-Time Employees:	6
Number Covered by Collective Bargaining:	0
Number of Board Members:	5

Change:

Please respond to the questions below: (IMPORTANT)

Water Service (Size of System):

Number of connections: Residential _____ Commercial _____ Bulk _____ Fire _____ Industrial _____

Flow (Total average gallons per day): Residential _____ Commercial _____ Bulk _____ Fire _____ Industrial _____

Distribution Only: Distribution and Supply: (Please check one)

Sewer Service (Size of System):

Number of connections: Residential 6,501 Commercial 117 Bulk _____

Flow - (Total average gallons per day): Residential 800,000 Commercial 150,000 Bulk _____

Collection Only: Collection and Treatment: (Please check one)

Stormwater Authority:

Have you undertaken a stormwater project or in the process of undertaking a stormwater project? Yes No

If not, do you anticipate taking on a stormwater project? Yes No

Municipalities Served:

Number of municipalities served by your Authority: 5

Please verify that the information below is correct and make any changes or additions in the space provided.

Township Supervisor: Mike Lynch

1580 Paoli Pike, West Chester, PA 19380

Phone: (610) 692-7171 | Email:

Chair: Dana Pizarro,

301 East Germantown Pike, 3rd Floor, East Norriton, PA 19401

Phone: (484) 804-7254 | Email: dana.pizarro@obg.com

Vice Chair: Jack Yahraes

911 Vista Drive, West Chester, PA 19380

Phone: (610) 692-2285 | Email: jyahraes@aol.com

Assistant Secretary/Treasurer: Phil Mayer

922 Saratoga Drive, West Chester, PA 19380

Phone: (610) 692-7171 | Email:

Secretary: Mr. Walter Wujcik

1580 Paoli Pike, West Chester, PA 19380

Phone: (610) 692-7171 | Email: sdamore@eastgoshen.org

Treasurer: Kevin Cummings

1606 Williams Way, West Chester, PA 19380

Phone: (610) 563-8893 | Email: kcummings@aol.com

Solicitor: Gawthrop Greenwood, PC/Patrick McKenna, Esq.

17 East Gay Street, Suite 100, PO Box 562, West Chester, PA 19381-0562

Phone: (610) 696-8225 | Email: pmckenna@gawthrop.com

Engineer: Pennoni Associates Inc./Michael Ellis, PE

121 Continental Drive, Suite 207, Newark, DE 19713-4325

Phone: (302) 655-4451 | Email: mellis@pennoni.com

Auditor: Maillie LLP/Edward Franczkowski, CPA

600 Willowbrook Lane, Suite 624, West Chester, PA 19382

Phone: | Email:



PMAA Management Workshop

Reserve a Spot Today!

April 14, 2022 • The Hotel Hershey (East)

April 29, 2022 • Seven Springs (West)

8:30 - 9:00 a.m.

Registration/Networking

9:00 - 9:30 a.m.

Legislative Update

- Jennie Shade, PMAA Government Relations staff will provide a comprehensive overview of Association government relations activities including enacted state law, tracked legislation currently under consideration in the Pennsylvania House and Senate, upcoming federal and state agency regulatory and policy initiatives, as well as other related areas of interest.

9:30 - 10:00 a.m.

DEP Update: Water & Wastewater (1 PDH)

A DEP representative will present an overview of current compliance issues relevant to wastewater treatment plants and drinking water facilities, including new regulatory and policy initiatives.

10:00 - 11:00 a.m.

Ethics

- Jeffery Frankenburger, Esq., State Ethics Commission

The presenter will provide a review of ethical standards, recent Ethics Commission rulings impacting Municipal Authority officials, and the Do's and Don'ts...a guideline for the day-to-day employees.

11:00 - 11:15 a.m. • Break

11:15 - 11:45 a.m.

Best Practices - Cybersecurity (1 PDH)

- Franco Cappa, DHS Cybersecurity and Infrastructure Security Agency

The presenter will discuss water and wastewater operations cyber threats, best practices, and federal services to aid authorities to be more aware of risks and protect their systems. The presenter will also emphasize the physical protection services their agency also provides.

11:45 a.m. - 12:15 p.m. (East)

Pros and Cons of IDIQ Contracts for Water and Wastewater (1 PDH)

- Caleb Krauter, EIT, Herbert, Rowland, Grubic, Inc.

This presenter will include the bidding and administration of IDIQ contracts and the potential benefits they can provide on emergency and maintenance repair contracts. See which types of projects will benefit most from IDIQ contracting procedures and view real-world examples of successful emergency and repair projects completed under IDIQ contracts.

11:45 a.m. - 12:15 p.m. (West)

NPDES Permit Renewal Process, Recent Trends, and How to Navigate (1 PDH)

- Samantha Schmucker, Herbert, Rowland, Grubic, Inc.

Samantha will discuss the NPDES permit renewal process in which effluent limits are becoming more stringent for municipalities and authorities in Western Pennsylvania. Municipal and authority managers can expect the addition of metal limits, increased sampling frequencies, and additional permit requirements such as TRE and WQBEL Compliance Reports.

12:15 - 12:45 p.m.

Solicitor Update (1 CLE)

- Mike Witherel, Esq., Witherel Associates

The presenter will address recent litigation involving municipal authorities as well as COVID and coping with the latest Sunshine Law amendments.

12:45 p.m. • Lunch & Networking



This workshop qualifies for:

- 2 PDH credits
- 1 CLE credit
- 1 Operator credit

FAQ's

Are the sessions recorded?

Sessions are not offered in an on-demand format at this time.

Are sessions applicable to credits?

Yes!

Schedule is subject to change.

More information can be found on the PMAA website.



In Case You Missed It!

The Annual Conference and Trade Show is taking place September 11 - 14, 2022 in Erie, PA. Visit the PMAA website for more information.

Registration →

REGISTRATION



Please check which location you will be attending:

Hotel Hershey - Thursday, April 14

100 Hotel Road
Hershey, PA 17033
717.533.2171

Seven Springs - Friday, April 29

777 Water Wheel Drive
Champion, PA 15622
800.452.2223

Name: _____ Operator ID # _____
Job Title: _____
Authority/Firm: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____

Name: _____ Operator ID # _____
Job Title: _____
Authority/Firm: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____

Name: _____ Operator ID # _____
Job Title: _____
Authority/Firm: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone: _____ E-mail: _____

This workshop
qualifies for:
2 PDH credits
1 CLE credit
1 Operator credit

Contact the
hotel at the
numbers listed
above for
accommodations
or information.

On-line
registration is
available on our
website.



Registration pricing PRIOR to March 31:

Member - \$125.00 per person Prospective-Member - \$160.00 per person

Registration pricing AFTER to March 31:

Member - \$145.00 per person Prospective-Member - \$175.00 per person

Payment Methods:

A check, made payable to PMAA, is enclosed OR Visa MasterCard Discover

Card No.: _____ Exp.: _____ Security code: _____

ALL CANCELLATIONS MUST BE SUBMITTED TO THE OFFICE IN WRITING ONE WEEK PRIOR TO THE MEETING DATE. Due to reservation guarantees, unpaid no-shows will be charged. NO REFUNDS will be made after the cancellation deadline.

