

**EAST GOSHEN MUNICIPAL AUTHORITY**

**June 13, 2022**

**Members please meet at 6:00 pm at the sewer plant  
Dinner will be provided at the Twp. After the tour.**

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. May 9, 2022

5. APPROVAL OF INVOICES

Pennoni Invoice April #1117370	\$ 3,426.25
Pennoni Invoice April #1117371	\$ 1,876.25
Pennoni Invoice April #1117373	\$ 1,283.50
Deckman Invoice April #4202	\$ 8,632.00 paid 4/14
Pennoni Invoice #1121791	\$ 530.00
Pennoni Invoice #1121793	\$ 121.60
Pennoni Invoice #1121794	\$ 2,610.50
Pennoni Invoice #1121795	\$ 938.00
Gawthrop Invoice #258154	\$ 360.00
Teledyne Instruments Invoice #S020537408	\$ 5,605.00
TelTek Colonial Elect. Invoice #14291798	\$ 2,861.05
Gawthrop Invoice #255872	\$ 440.00 paid 5/4
Mallie Invoice #1000121613	\$ 3,250.00 paid 5/3

6. LIAISON REPORTS

## 7. FINANCIAL REPORTS

### a. May Financial Report

- Financial Updates or the Municipal Authority

## 8. OLD BUSINESS

### a. Need to approve the sewer connect from 1344 Morstein Road Kyong-Ale Thomas

## 9. 2022 Goals:

Goal	Status
Ridley Creek Plant Compliance	January, February, March, April and May were in compliance and met all requirements *Note DEP Annual Insp.
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going
Continue to Implement Infiltration and Inflow for the Sewer System	On-going
Caustic Soda Project	Equipment order
Replace sewer line Hershey Mill Estate trunk line replacement	Engineer will bring you up to date under old business.
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"><li>• Ridley Meter and manhole have been ordered (Delivery 3 months)</li><li>• Is on site, should be installed in the next couple weeks</li></ul>

10. NEW BUSINESS

- a. UV Replacement project e-mail from Mike Ellis
- b. Need approval from the updated quote from Pyrz for the caustic soda tank
- c. Hershey's Mill Sewer PA DEP permit
- d. Proposal for Phase 1 Bog Turtle Survey

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: June 13, 2022 Monthly Report

**Monthly Flows:** The average daily flow to West Goshen was 709,470 per day.

**Meters:** The meters were Calibrated by Allied Control on June 15, 2022. No repairs needed. The meters have been read on a daily basis.

**C.C. Collection:** The Public Works Department televised the sanitary sewers in Waterview Farms, this was done to make sure there were no problems after Aqua installed new lines. All the pump stations were visited on a daily basis. The Public Works Department also vacuumed the wet wells and cleaned the floats and FOG rods.

**R.C. Collection:** The pumping stations were visited on a daily basis. The Public Works Department vacuumed out the wet wells and cleaned the floats and FOG rods. We had a problem at the Hunt Country Pump Station when PECO lost a phase, the station was on back up power for 8 hours until PECO made repairs.

**Ridley Creek Plant:** Routine maintenance was performed at the plant. John Laidley was on site to install the new remote control for the Filter Feed Controls so the operator can turn equipment on and off during storm events remotely. Our generator contractor was on site, while performing routine maintenance to the generator he noticed that the generator was low on antifreeze. Upon further investigation, Paul found that the lower hose failed and the generator had shut down. We are going to have John Laidley install a dialer on both generators that will call out in the event of an equipment failure.

The equipment cabinet air condition on the Centrifuge quit working, we received quotes to replace the air conditioner unit prices range \$6,800.00



to \$8,180.00. I called Lenni and Jimmy found a unit for \$5,500.00 which was ordered. The new unit is two weeks out and Lenni will take care of the installation.

**Alarms:** We responded to 15 alarms for May.

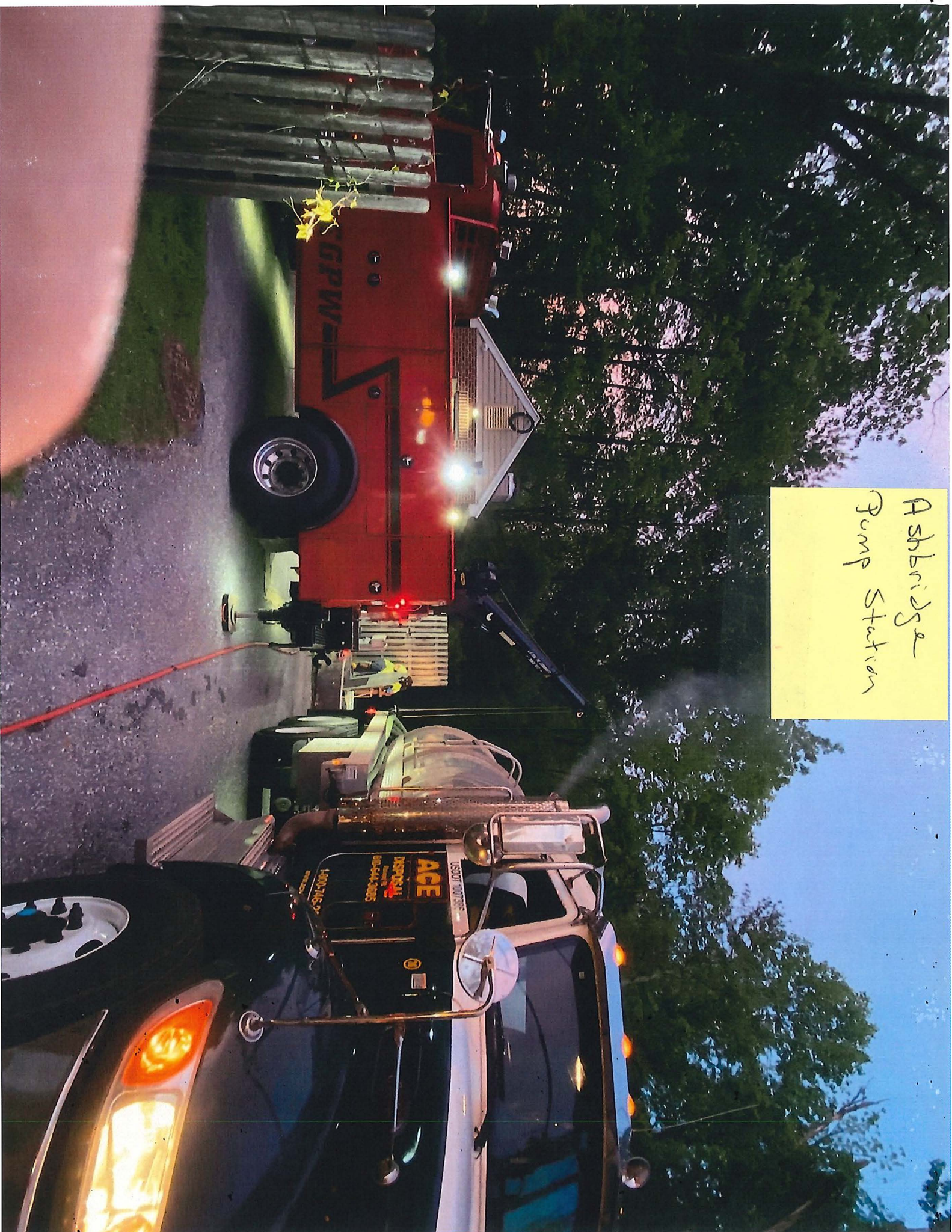
**PA One Calls:** We responded to over 90 PA One Calls for the month May.

**Monthly Rainfall:** 6.85 inches of rain for the month of May.

**Lateral repairs or Caps:** 2 laterals were repaired on Madison Drive due to a landscaper hitting The clean outs . 4 additional repairs were done in May.



Ashbridge  
Pump Station





Hershey Mill  
Pump Station





Forbes Mill  
Pump Station





**EAST GOSHEN MUNICIPAL AUTHORITY  
ENGINEER'S REPORT  
June 10, 2022**

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

- Caustic Soda Conversion – We confirmed tank fill pipe sizing with the chemical supplier and obtained an updated quote for the tank with larger fill (4") and vent (6") penetration from Pyrz Water.
- UV Disinfection System – Glasco is preparing the design submittal. They initially expected to submit it by the end of May, but we have not received it, and we are awaiting a schedule and update from them.

The overall lead time for the Glasco equipment was initially estimated to be approximately 5 months (including submittals) from contract execution on April 8, so equipment delivery was expected around September 2022. However, this schedule may be extended pending the design submittal timeline.

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. Bid documents for the mechanical and electrical construction contracts will be finalized this summer for bidding to occur in fall; the schedule will be refined over the next couple months pending updates on the CFA's schedule for grant award announcements.

- NPDES Permit Renewal – The permit renewal was officially issued, effective April 1, 2022 and runs through March 31, 2027. We are coordinating with Big Fish on the new treatment plant sampling requirements in the renewed permit.

**Ridley Creek Collection System Permanent Meters**

- No activity since our last report.

**Westtown Way Pump Station**

- No update since our last report. The following update is from HRG in our May report:

*Excavation and subgrade preparation for the exterior electrical pad has been completed, and interior work such as initial pump removal tasks has also commenced. Unsuitable soils and concrete deposits were encountered underground for the electrical pad and had to be removed and replaced with suitable materials. A change order is expected.*

*All equipment is currently expected to be delivered on schedule with the exception of the electrical switchboard which is tentatively delayed until early 2023. The switchboard delay may extend the entire project since they may not be able to install the new VFDs, and thereby install new pumps, until the switchboard is installed. The entire project may therefore be extended until mid-2023. The contractors have been asked to provide updated schedules at the next Township progress meeting later this month [May].*

**Sanitary Sewer Pipe Rehab**

- Supplee Valley – No activity since our last report.
- Hershey's Mill Estates – The PADEP General Permit GP-11 "Stream Obstructions" was approved, and the permit is attached.

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 – There is a ductile iron sewer main exposed in the Ridley Creek stream bed immediately north of N. Boot Road near Bellingham. We previously initiated preparation of a draft DEP emergency General Permit application to encase the pipe in concrete and add riprap to the immediately upstream stream bed.

A bog turtle habitat survey will be conducted by a 3<sup>rd</sup> party "Qualified Bog Turtle Surveyor (QBTS)" to address the associated requirement in the PNDI Search. The survey is scheduled for June 16. If the QBTS does not identify habitat within 300 feet, approval from the US Fish and Wildlife Service (USFWS) is not required. The emergency permit application will be submitted to PADEP upon clearance of the bog turtle habitat.

#### **I&I Program**

- No activity since our last report.

#### **New Connections**

- Sewer Extension Study – No activity since our last report.
- 1344 Morstein Road – We reviewed a contractor's sketch for a low pressure sewer lateral to connect the subject property to the public sewer in Eastwick Circle. We have comments and concerns on the proposed approach, and we are contacting the contractor to discuss.

#### **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



## RCSTP Monthly Operations Report

June 2022

### Executive Summary

The Ridley Creek sewage treatment plant outfall 001 and 002 reported non-compliance with three (3) parameters identified as only "Report" with no effluent limitations regarding water quality. The parameters listed are effluent total nitrogen, Ultraviolet light intensity and influent CBOD<sub>5</sub>. The non-compliance was the result of the new NPDES permit becoming effective April 1, 2022. All supplemental reports were submitted for the month of April 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 were reduced to a daily average of 58.5 as compared to the previous month at 67.7 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.

**Treatment Process Operation** Table 1 illustrates the final effluent composite sample data reported for outfall 001 May. Compliance with the NPDES discharge permit was not fully achieved during April<sup>1</sup> and May<sup>1</sup>.

May 2022- Final Effluent - Outfall 001																
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		Total Nitrogen		TSS		NH <sub>4</sub> -N		Total Phosphorus		Fecal Coliform		Ultraviolet light intesity	Copper, Total	Zinc, Total
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean			
	Average															
	0.75															
Inst. Max	20	94			15	94	5		1				Report	Report	Report	
Sample Date																
May 3, 2022	0.260	2.0	4.3	NS	NS	5.6	12.1	0.10	0.22	0.15	0.33	56	1.7482	NS	NS	NS
May 10, 2022	0.289	2.0	4.8	5.8	14.03	4.0	NS	0.10	0.24	0.16	0.39	7	0.8451	NS	NS	NS
May 17, 2022	0.264	2.0	4.4	NS	NS	8.5	18.7	1.10	2.42	0.15	0.33	12	1.0792	NS	NS	NS
May 24, 2022	0.292	2.0	4.9	6.7	16.37	4.0	9.7	0.10	0.24	0.10	0.24	5	0.6990	NS	NS	NS
May 31, 2022	0.260	2.0	4.3	6.4	13.83	4.0	8.7	0.10	0.22	0.10	0.22	1	0.0000	NS	NS	NS
Average	0.273	2.0	4.6	6.3	14.7	5.2	12	0.30	0.67	0.13	0.30	16	0.8743	NA	NA	NA
Minimum	0.260	2.0	4.3	5.8	13.8	4.0	8.7	0.10	0.22	0.10	0.22	1	0.0000	NA	NA	NA
Maximum	0.292	2.0	4.9	6.7	16.4	8.5	19	1.10	2.42	0.16	0.39	56	1.7482	NA	NA	NA

<sup>1</sup>A new NPDES permit was issued and became effective beginning April 1, 2022.

The monthly average total phosphorus was reported as 0.13 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 6.5 mg/L as compared to the discharge limitation of 10 mg/L. The TSS weekly averages are presented below in Table 2.

**Table 2**

<b>May 2021 Final Effluent Weekly TSS Averages</b>	
Week 1	5.6 mg/L
Week 2	4.0 mg/L
Week 3	8.5 mg/L
Week 4	4.0 mg/L
Week 5	4.0 mg/L

The final effluent test results demonstrate that the biological treatment process performed well during May. 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 May.

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

**Table 3**

<b>May 2022 - Applebrook - Out Fall 002</b>													
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		Total Nitrogen		TSS		NH <sub>4</sub> -N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	0.135	25		Report	Report	30		7.0	44	0.5	3	200	1,000
		40				45							
May 3, 2022	0.0419	2.0	0.70	NS	NS	5.6	1.96	0.10	0.03	0.15	0.05	56	1.7482
May 10, 2022	0.0391	2.0	0.65	5.82	1.90	4.0	1.30	0.10	0.03	0.16	0.05	7	0.8451
May 17, 2022	0.0418	2.0	0.70	NS	NS	8.5	2.96	1.10	0.38	0.15	0.05	12	1.0792
May 24, 2022	0.0443	2.0	0.74	6.72	2.48	4.0	1.48	0.10	0.04	0.10	0.04	5	0.6990
May 31, 2022	0.0443	2.0	0.74	6.38	2.36	4.0	1.48	0.10	0.04	0.10	0.04	1	0.0000
Average	0.0423	2.0	0.71	6.31	2.25	5.2	1.8	0.30	0.10	0.13	0.05	16	0.8743
Minimum	0.0391	2.0	0.65	5.82	1.90	4.0	1.3	0.10	0.03	0.10	0.04	1	0.0000
Maximum	0.0443	2.0	0.74	6.72	2.48	8.5	3.0	1.10	0.38	0.16	0.05	56	1.7482

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 May 2022.



Table 4

May 2022 - Influent Wastewater													
Design Basis	Flow	BOD <sub>5</sub>		CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	NA	NA	320	2,001	32	200	48	301	9.1	57
Sample Date													
May 3, 2022	0.361	267	804	NS	NS	280	843	31.8	96	33.2	100	4.68	14.1
May 10, 2022	0.394	793	2,609	162	533	157	516	32.7	108	59.0	194	7.80	25.7
May 17, 2022	0.461	237	910	252	968	228	876	43.7	168	61.1	235	8.63	33.2
May 24, 2022	0.404	231	779	233	786	58	196	44.9	151	62.7	211	7.84	26.4
May 31, 2022	0.401	295	987	214	716	282	943	25.1	84	53.6	179	6.11	20.4
Average	0.4043	365	1,218	215	751	201	675	36	121	53.9	184	7.0	24.0
Minimum	0.3610	231	779	162	533	58	196	25	84	33.2	100	4.7	14.1
Maximum	0.4606	793	2,609	252	968	282	943	45	168	62.7	235	8.6	33.2

The foam on the SBR surface reduced to approximately 15% to 30% coverage of the surface area. The foam thickness is approximately 3 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. 3

#### PA DEP

A new NPDES Permit became effective April 1, 2022 and expires March 31, 2027. The permit was issued March 21, 2022.

In summary, a few new water quality parameters were added to the permit, however, they are listed as "Report" without any pollutant loading or effluent limitations. The Effluent Outfalls 001 and 002 parameters include Total Nitrogen, Total Copper, Total Zinc and Ultraviolet light intensity. Effluent total nitrogen is a weekly sample, whereas Ultraviolet light intensity is required daily. Total copper and total zinc are required for quarterly monitoring and reporting. In addition, the influent is required to be monitored for weekly CBOD<sub>5</sub> reporting.

The technology for measuring and Ultraviolet light intensity is questionable and not readily available. Discussions are ongoing with PA DEP.

#### Pennoni Associates

Received the new NPDES permit effective April 1, 2022 on May 4, 2022.

#### Chemical Usage:

May 2022		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	300	9,300
Aluminium Sulfate solution, gal	58.5	1,815

Centrifuge sludge dewatering, gallons	15,245 <sup>2</sup>	365,870
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<sup>2</sup>The centrifuge is not operated on a daily basis throughout the month.

### **Flow data:**

May 2022			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	12.753	411,378	567,640
Influent Wastewater to SBRs*	14.484	467,221	607,232
Internal Recycle**	2.043	65,901	134,580
Treated Effluent to Disc Filters	14.422	465,227	584,832
Final Effluent Discharge	9.160	295,000	403,000
Applebrook Golf Course	1.339	43,186	47,920

During May, the average monthly influent wastewater flow measured at the "field" flow meter was 411,378 gallons/day as compared to the influent flow into the SBRs as 467,221 gallons/day. The difference between the daily averages is 55,843 gpd. These values are considered typical as the flows to the SBR should be greater due to including all the internal recycle flows. During the month of May, the internal recycle rates were elevated as a result of the increased frequency and intensity of rainfall events.

### **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 May, there were thirteen (13) days when rainfall occurred. There were three (3) events of rainfall meeting or exceeding 0.50 inches.

May 7<sup>th</sup> 1.62 inches

May 8<sup>th</sup> 0.65 inches

May 19<sup>th</sup>        0.66 inches

There were three events of consecutive rainfall event

May 6<sup>th</sup> through 8<sup>th</sup> for a total of 2.52 inches of rainfall

May 14<sup>th</sup> through 15<sup>th</sup> for a total of 0.62 inches of rainfall

May 27<sup>th</sup> through 29<sup>th</sup> for a total of 0.65 inches of rainfall

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**May 9, 2022**

The East Goshen Township Municipal Authority held their regular meeting on Monday, May 9, 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:** Mark Miller (Director of Public Works), Mike Ellis (Pennoni), Stacey Fuller (Attorney), and Scott Towler (Big Fish) on speaker phone.

**COMMON ACRONYMS:**

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

**Call to Order & Pledge of Allegiance**

Since there was not a quorum this was not an official meeting.

**Chairman's Report**

1. Walter attended the PMAA management workshop and spoke about the topics of discussion.

**SEWER REPORTS**

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

**Monthly Flows –** The average daily flow to West Goshen was 706,755 per day.

**Meters:** The meters were read on a daily basis with no problems to report for the month.

**C.C. Collection:** The pump stations were visited on a daily basis. The wet wells were washed down and oil was checked in the generators. We received a complaint of a sink hole behind #8 School Lane. Upon further investigation we found that the pipe had pulled out of the hub. We excavated that lateral and made the repair. We received an odor complaint from a resident on Glenbrook Lane. We found that the odor was from the neighbor's mulch.

**R.C. Collection:** The pumping stations were visited on a daily basis. The wet wells were washed down and the oil was checked in the generators.

**Ridley Creek Plant:** The new meter pit has been ordered as well as the Caustic Soda Equipment.

**Alarms:** We responded to 19 alarms for April.

**PA One Calls:** We responded to over 88 PA One Calls for the month of April.

**Monthly Rainfall:** 7.15 inches of rain for the month of April.

**Lateral Repairs or Caps:** 6 caps were replaced in April.

## **2. Pennoni Engineer's Report dated May 4, 2022**

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

- Caustic Soda Conversion – We are coordinating with the chemical supplier for tank fill pipe sizing needs and will obtain an updated quote for the tank (with adjusted tank vent, fill line, and suction penetration sizes) from Pyr Water accordingly for Township execution.
- UV Disinfection System – Glasco is preparing the design submittal which we expect to receive for review in the next couple of weeks.

The overall lead time for the Glasco equipment is approximately 5 months (including submittals) from contract execution on April 8, so we expect equipment delivery around September 2022. 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. Bid documents for the mechanical and electrical construction contracts will be finalized this summer for bidding to occur in fall; the schedule will be refined over the next couple months pending updates on the CFA's schedule for grant award announcements.

NPDES Permit Renewal – The attached permit renewal was officially issued effective April 1, 2022 and runs through March 31, 2027.

### **Ridley Creek Collection System Permanent Meters**

- No activity since our last report.

### **Westtown Way Pump Station**

- 1 \* HRG provided the following update: Excavation and subgrade preparation for the exterior electrical pad  
2 has been completed, and interior work such as initial pump removal tasks has also commenced.  
3 Unsuitable soils and concrete deposits were encountered underground for the electrical pad and had to  
4 be removed and replaced with suitable materials. A change order is expected.

5 All equipment is currently expected to be delivered on schedule, with the exception of the electrical  
6 switchboard which is tentatively delayed until early 2023. The switchboard delay may extend the  
7 entire project since they may not be able to install the new VFDs and thereby stall new pumps until the  
8 switchboard is installed. The entire project may therefore be extended until mid-2023. The  
9 contractors have been asked to provide updated schedules at the next Township progress meeting later  
10 this month.

### 12 **Sanitary Sewer Pipe Rehab**

- 13 • Supplee Valley – No activity since our last report.
- 14 • Hershey’s Mill Estates – We previously submitted the GP-11 “Stream Obstructions” plans  
15 and permit application to DEP on March 8 via email and again on April 1. Per DEP request a  
16 few weeks thereafter, we resubmitted in a different format through their online system on  
17 April 27 for them to initiate the formal review. The confirmed the same day that the review  
18 has now been scheduled. Since an LSA grant application was submitted for this project,  
19 construction contracts cannot be awarded if/until the grant is “approved”. We therefore  
20 currently plan to bid the project in the late fall-early winter with construction projected in  
21 early to mid-2023.
- 22 • Ridley Creek Exposed Sewer Rehab – There is a ductile iron sewer main exposed in the  
23 Ridley Creek stream bed immediately north of N. Boot Road new Bellingham. We initiated  
24 preparation of a draft DEP emergency General Permit application to encase the pipe in  
25 concrete and add riprap to the immediately upstream stream bed. We also performed the  
26 PNDI environmental search, which returned a requirement to perform a bog turtle habitat  
27 survey. The PNDI Receipt is attached. We are coordinating with the 3<sup>rd</sup> party “Qualified Bog  
28 Turtle Surveyor (QBTS)” to provide a quote to conduct the survey. If the QBTS does not  
29 identify habitat within 300 feet, approval from the US Fish and Wildlife Service (USFWS) is  
30 not required. The emergency permit application will be submitted to PADEP upon clearance  
31 of the bog Turtle habitat.

### 32 **I&I Program**

- 33 • No activity since our last report.

### 34 **New Connections**

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

### 36 **Industrial Pretreatment Ordinance**

- 37 • No activity since our last report. As discussed at the May 2021 MA meeting, a headworks  
38 study with sampling at the RCSTP can be conducted to set contaminant limits.  
39  
40

1  
2 **3. Big Fish Environmental Services –**

3 The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge  
4 limitations for the month of April and May 2022. All supplemental reports for April 2022 were  
5 submitted with the DMR. Discharge to the Applebrook irrigation lagoon remained in service.  
6 Chemical usage utilized for pH and total alkalinity remained consistent with previous months.  
7 Aluminium sulfate solution volumes were elevated daily dosages at a daily average of 76.7 gpd as  
8 compared to the previous month at 68.1 gpd to achieve phosphorus removal. No significant  
9 mechanical or operational issues were observed during operation of sludge dewatering equipment or  
10 SBR treatment process. There were no odor complaints during the month.  
11 Scott discussed the new permit.  
12

13 **Approval of Minutes**

14 Since there was not a quorum, the April minutes were not reviewed.  
15

16 **Approval of Invoices**

17 Since there was not a quorum no invoices were approved.  
18

19 **Liaison Reports -** None

20  
21 **Financial Reports -** None

22  
23 **Old Business -** None

24  
25 **Goals –** No discussion

26  
27 **New Business -** None

28  
29 **Capacity Request -** None

30  
31 **Any Other Matter –** None

32  
33 **Correspondence-** None

34  
35 **Public Comment -** None  
36  
37

38 **Adjournment**

39 There being no further business the meeting was adjourned at 8:00 pm.  
40 The next regular meeting will be held on Monday, June 13, 2022 at 7:00 pm.  
41

42 Respectfully submitted,  
43  
44

45 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

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



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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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.



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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 \$13,564.75

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.

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	\$7,000.00

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07424.3110

PAID  
3/18

<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  
Due Date: Upon Receipt  
Invoice: 1000120865  
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](mailto:Payments@maillie.com) and use this ACH information:

Customers Bank  
99 Bridge Street  
Phoenixville, PA 19460

Routing #: 031302971

Account #: 6874053





# 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 : 1121791  
Invoice Date : 05/27/2022  
Project : EGMAU20004  
Project Name : RCSTP Caustic Soda  
Conversion

For Services Rendered Through 05/15/2022

Obtained cost quotes from tank vendors; and coordinated with current RCSTP chemical supplier on delivery and equipment requirements for new caustic tank.

Phase Code / Name		Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Design and Permitting		\$26,500.00	\$21,200.00	82.00%	\$21,730.00	\$530.00
02 -- Construction Phase Services	est.	\$5,400.00	\$0.00		\$0.00	\$0.00
Total :		\$31,900.00	\$21,200.00		\$21,730.00	\$530.00

Amount Due This Invoice

**\$530.00**

Approved 6-10-22  
MAM

West Goshen RCSTP Caustic Soda Conversion  
EGMAU20004 Invoice Summary  
Invoice Date 5/27/2022

**Project:** EGMAU20004  
**Pennoni Job No.:** RCSTP Caustic Soda Conversion  
**Invoice No:** 1121791  
**Invoice Period:** 1/17/2022 to 5/15/2022  
**Initial Authorization:** \$ 31,900.00 **Date:** 5/27/2022  
**Contract Amount:** \$ 31,900.00  
**Previously Invoiced:** \$ 21,200.00  
**Current Invoice:** \$ 530.00  
**Invoiced to Date (\$):** \$ 21,730.00  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 10,170.00  
**Remaining Budget (%):** 32%

**Budget by Phase:**

**Phase Name:** RCSTP Caustic Soda Conversion  
**Phase Budget:** \$ 31,900.00  
**Previously Invoiced:** \$ 21,200.00  
**Current Invoice:** \$ 530.00  
**Invoiced to Date (\$):** \$ 21,730.00  
**Invoiced to Date (%):** 68%  
**Remaining Budget (\$):** \$ 10,170.00  
**Remaining Budget (%):** 32%

**Comments:** Obtained cost quotes from tank vendors; and coordinated with current RCSTP chemical supplier on delivery and equipment requirements for new caustic tank.



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

Invoice No : 1121793  
Invoice Date : 05/27/2022  
Project : EGMAU21004  
Project Name : HM Estates Sewer  
Design & Permitting

For Services Rendered Through 05/15/2022

Resubmitted GP-11 permit application to DEP twice upon their request.

Phase Code / Name	Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Wetland & Watercourse Investigation	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
02 -- Phase I Bog Turtle Habitat Assessment	\$6,750.00	\$6,750.00	100.00%	\$6,750.00	\$0.00
03 -- Survey	\$17,200.00	\$17,200.00	100.00%	\$17,200.00	\$0.00
04 -- Design	\$26,100.00	\$24,987.03	95.74%	\$24,987.03	\$0.00
05 -- Permitting	\$8,000.00	\$6,906.45	87.85%	\$7,028.05	\$121.60
06 -- Property Line Stakeout	est. \$5,000.00	\$7,520.50		\$7,520.50	\$0.00
07 -- Geotechnical	NTE \$10,000.00	\$6,271.25	62.71%	\$6,271.25	\$0.00
Total :	\$79,800.00	\$76,385.23		\$76,506.83	\$121.60

Amount Due This Invoice

**\$121.60**

Approved 6-10-22  
MST

West Goshen HM Estates Sewer Design Permitting  
EGMAU21004 Invoice Summary  
Invoice Date 5/27/2022

**Project:** EGMAU21004  
**Pennoni Job No.:** HM Estates Sewer Design & Permitting  
**Invoice No:** 1121793  
**Invoice Period:** 3/21/2022 to 5/15/2022  
**Initial Authorization:** \$ 64,800.00 **Date:** 5/27/2022  
**Contract Amount:** \$ 79,800.00  
**Previously Invoiced:** \$ 76,385.23  
**Current Invoice:** \$ 121.60  
**Invoiced to Date (\$):** \$ 76,506.83  
**Invoiced to Date (%):** 96%  
**Remaining Budget (\$):** \$ 3,293.17  
**Remaining Budget (%):** 4%

**Budget by Phase:**

**Phase Name:** HM Estates Sewer Design & Permitting  
**Phase Budget:** \$ 79,800.00  
**Previously Invoiced:** \$ 76,385.23  
**Current Invoice:** \$ 121.60  
**Invoiced to Date (\$):** \$ 76,506.83  
**Invoiced to Date (%):** 96%  
**Remaining Budget (\$):** \$ 3,293.17  
**Remaining Budget (%):** 4%

**Comments:** Resubmitted GP-11 permit application to DEP twice upon their request.



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P.O. Box 827328  
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Mark Miller  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380-6199

Invoice No : 1121794  
Invoice Date : 05/27/2022  
Project : EGMAU22001  
Project Name : 2022 General  
Services

---

**For Services Rendered Through 05/15/2022**

General Consultation - May Engineer's Report; preparation for and attendance at May MA meeting including review of RCSTP operator's report; coordinate with operator on new NPDES Permit sampling requirements; and assistance to Codes Officer on Planning Commission and BOS review and resolution of East Whiteland Twp's Act 537 Plan for sewer system sale.

Boot Road Sewer Rehab Creek Crossing - Continued preparation of GP-11 Stream Obstructions permit application documents and E&S Plans; obtained quote from subconsultant for Qualified Bog Turtle Habitat Survey; and re-ran PNDI environmental search for clarified location of sewer line.

Billing Limits	Current	Prior	To-Date
Total Billings	2,610.50	10,710.25	13,320.75
Limit			35,000.00
Remaining			21,679.25

**Labor**

	Hours	Rate	Amount
Authority Engineer	6.75	141.00	951.75
Staff Professional	2.25	110.00	247.50
Associate Professional	1.00	105.00	105.00
Graduate Professional	13.75	95.00	1,306.25
Totals	23.75		2,610.50
<b>Total Labor</b>			<b>2,610.50</b>

**Total this Invoice** \$2,610.50

*Approved*  
*6-10-22*  
*MMW*

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 5/27/2022

**Project:** EGMAU22001  
**Pennoni Job No.:** 2022 General Services  
**Invoice No:** 1121794  
**Invoice Period:** 4/18/2022 to 5/15/2022  
**Initial Authorization:** \$ 35,000.00 **Date:** 5/27/2022  
**Contract Amount:** \$ 35,000.00  
**Previously Invoiced:** \$ 10,710.25  
**Current Invoice:** \$ 2,610.50  
**Invoiced to Date (\$):** \$ 13,320.75  
**Invoiced to Date (%):** 38%  
**Remaining Budget (\$):** \$ 21,679.25  
**Remaining Budget (%):** 62%

**Budget by Phase:**

**Phase Name:** 2022 General Services  
**Phase Budget:** \$ 35,000.00  
**Previously Invoiced:** \$ 10,710.25  
**Current Invoice:** \$ 2,610.50  
**Invoiced to Date (\$):** \$ 13,320.75  
**Invoiced to Date (%):** 38%  
**Remaining Budget (\$):** \$ 21,679.25  
**Remaining Budget (%):** 62%

**Comments:** General Consultation - May Engineer's Report; preparation for and attendance at May MA meeting including review of RCSTP operator's report; coordinate with operator on new NPDES Permit sampling requirements; and assistance to Codes Officer on Planning Commission and BOS review and resolution of East Whiteland Twp's Act 537 Plan for sewer system sale.

Boot Road Sewer Rehab Creek Crossing - Continued preparation of GP-11 Stream Obstructions permit application documents and E&S Plans; obtained quote from subconsultant for Qualified Bog Turtle Habitat Survey; and re-ran PNDI environmental search for clarified location of sewer line.



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Philadelphia, PA 19182-7328

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

Invoice No : 1121795  
Invoice Date : 05/27/2022  
Project : EGMAU22004  
Project Name : RCSTP UV  
Replacement

---

## For Services Rendered Through 05/15/2022

Design of overhead jib crane and overflow weir.

Billing Limits	Current	Prior	To-Date
Total Billings	938.00	17,385.50	18,323.50
Limit			30,000.00
Remaining			11,676.50

## Labor

	Hours	Rate	Amount
Senior Professional	7.00	134.00	938.00
Totals	7.00		938.00
<b>Total Labor</b>			<b>938.00</b>
<b>Total this Invoice</b>			<b>\$938.00</b>

Approved 6-10-22  
MM

RCSTP UV Replacement  
EGMAU22004 Invoice Summary  
Invoice Date 5/27/2022

<b>Project:</b>	EGMAU22004		
<b>Pennoni Job No.:</b>	RCSTP UV Replacement		
<b>Invoice No:</b>	<b>1121795</b>		
<b>Invoice Period:</b>	4/18/2022	to	5/15/2022
<b>Initial Authorization:</b>	\$ 30,000.00	<b>Date:</b>	5/27/2022
<b>Contract Amount:</b>	\$ 30,000.00		
<b>Previously Invoiced:</b>	\$ 17,385.50		
<b>Current Invoice:</b>	\$ 938.00		
<b>Invoiced to Date (\$):</b>	\$ 18,323.50		
<b>Invoiced to Date (%):</b>	61%		
<b>Remaining Budget (\$):</b>	\$ 11,676.50		
<b>Remaining Budget (%):</b>	39%		

**Budget by Phase:**

<b>Phase Name:</b>	RCSTP UV Replacement		
<b>Phase Budget:</b>	\$ 30,000.00		
<b>Previously Invoiced:</b>	\$ 17,385.50		
<b>Current Invoice:</b>	\$ 938.00		
<b>Invoiced to Date (\$):</b>	\$ 18,323.50		
<b>Invoiced to Date (%):</b>	61%		
<b>Remaining Budget (\$):</b>	\$ 11,676.50		
<b>Remaining Budget (%):</b>	39%		

**Comments:** Design of overhead jib crane and overflow weir.





Gawthrop Greenwood, PC  
Attorneys at Law

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

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

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

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
05/12/2022  
Client No: 6604-001M  
Invoice No. 258154

General Authority Services

Fees

		Hours	
04/08/2022			
PMM	Email from S. Smith with meeting materials; Review and analyze same.	0.30	60.00
04/11/2022			
PMM	Attend Authority Board meeting.	1.50	300.00
	For Current Services Rendered	1.80	360.00
Recapitulation			
<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>
Patrick M. McKenna		1.80	\$200.00
			<u>Total</u>
			\$360.00
	Previous Balance		\$440.00
	Total Current Charges		360.00
05/09/2022	Payment		-440.00
	Balance Due		<u>\$360.00</u>

Approved  
6-10-22  
[Signature]

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



**TELEDYNE INSTRUMENTS, INC.**

Everywhere you look™

Federal ID: 95-4888283

Page 1 of 1

Remit to:

12497 Collections Center Drive  
Chicago, IL 60693  
ABA# 121-000-358  
Acct# 12331-07806

Sold To:

East Goshen Township  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

## Invoice

Bill To:

East Goshen Township  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

Ship To:

East Goshen Township  
Mark Miller  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

Sales Order		Customer PO	Customer Reference	Payment Terms		Discount	Customer No	Invoice No	
00583579		42237001		Net 30			0054768	S020537408	
Carrier		Tracking Number		Teledyne Contact Information				Invoice Date	
UPS Ground		1Z6343870395760182		Frink, Elizabeth Ann		800/228-4373		5/17/2022	
Delivery Terms			Named Destination		Packing List			RMA Number	
ORIG-S&HAD					00618060				
Line	Item Number	Description			Tax	U/M	Quantity	Unit Price	Amount

Please note part number 604307104 has been replaced with 604307105.  
IMEI 350344984305845 S/N 222E02027

684310000	MODEL 310 USNC 10M BM 4300	ea	1	5,436.00	5,436.00
-----------	----------------------------	----	---	----------	----------


624300005 - Signature Ultrasonic Flow Meter 684310000 - Signature Ultrasonic Flow Meter  
684310000 - Signature Ultrasonic Flow Meter  
604314005 - TIENET 310 ULTRASONIC Sensor10m (32.8 ft) cable  
604307015 - Battery Backup  
604304044 - AC Line Cord  
604307105 - TC4 Modem  
\*\*\*For replacement parts refer to the replacement parts list  
that is included in the instruction manual\*\*\*

Serial Number(s): 604307015:  
222D02021

604307105:  
222E02027

604314005:  
222E01706

624300005:  
222E01643

APPROVED BY:   
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07429.1505

Shipping & Handling 169.00

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Seller's acceptance of this Order is expressly conditioned upon the Buyer's assent to Seller's Terms and Conditions of Sale as stated in Seller's Offer and found at the applicable Teledyne company internet website listed below. Seller is proceeding with the performance of Buyer's Order strictly on this basis. Teledyne ISCO is an indirect subsidiary of Teledyne Technologies Incorporated. Teledyne Ethics Line 1-877-666-6968.

Invoice Amount

5,605.00 USD



**TELEDYNE INSTRUMENTS, INC.**  
Everywhere you look™

Federal Id: 95-4888283

00583579



00618060

Page 1 of 1

## Packing List

Sold To:  
East Goshen Township  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

Bill To:  
East Goshen Township  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

Ship To:  
East Goshen Township  
Mark Miller  
1580 Paoli Pike  
WEST CHESTER, PA 19380  
United States

Sales Order	Customer PO	Customer Reference	Packing List	Ship Date
00583579	42237001		00618060	5/17/2022
Shipping Instructions	Named Destination	Ultimate Destination		
Delivery Terms	Carrier	RMA Number		
Domestic ONLY-Origin - S&H Added	UPS Ground			
Teledyne Contact	Contact Phone	Contact Email		
Frink, Elizabeth Ann	800/228-4373	Elizabeth.Frink@Teledyne.com		
Line	Item Number	Rev	Description	Shipped Back-Order U/M Carton No.

Please note part number 604307104 has been replaced with 604307105.  
IMEI 350344984305845 S/N 222E02027

684310000

MODEL 310 USNC 10M BM 4300

1 0 ea

Origin: United States  
Destination:

Serial Number(s):

604307015:  
222D02021

604307105:  
222E02027

604314005:  
222E01706

624300005:  
222E01643

ISCO22578

624300005 - Signature Ultrasonic Flow Meter 684310000 - Signature Ultrasonic Flow Meter  
684310000 - Signature Ultrasonic Flow Meter  
604314005 - TIENET 310 ULTRASONIC Sensor10m (32.8 ft) cable  
604307015 - Battery Backup  
604304044 - AC Line Cord  
604307105 - TC4 Modem

\*\*\*For replacement parts refer to the replacement parts list  
that is included in the instruction manual\*\*\*

APPROVED BY: 

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: \_\_\_\_\_

*Capital replacement  
Ridley Creek Plant*

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Teledyne ISCO is a registered business name of Teledyne Instruments, Inc., a subsidiary of Teledyne Technologies Incorporated. Teledyne Ethics Line  
1-877-666-6968.



**TELEDYNE**  
ISCO  
Everywhere you look™  
www.teledyneisco.com  
+1-800-228-4373

## Divisions of Colonial Electric:

Original Invoice  
**INVOICE****colonial**

electric supply company, inc.  
Since 1972...Powered By Excellence!  
201 W. Church Road  
King of Prussia, PA 19406  
610-312-8100  
www.coloniaelectric.com

**colonial**

major projects  
coloniaelectric.com/cmp

colonial

**teltek**

colonialteltek.com

**Bright Light**

brightlightdesigncenter.com

**Annapolis Lighting**

annapolislighting.com

INVOICE NUMBER	INVOICE DATE
14291798	05/14/22
PLEASE REMIT PAYMENT TO	
Colonial Electric Supply Company, Inc. PO BOX 414564 Boston MA 02241-4564	

Billing Questions?

Call: THOMAS KARACKAI

484-679-2295

**BILLING ADDRESS**

10995 1 MB 0.485 E0370X I0675 D9113243093 S2 P9025097 0001:0002

**SHIPPING ADDRESS**

APPROVED BY:

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: 074291502

EAST GOSHEN TOWNSHIP  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380-6107

EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE  
WEST CHESTER PA 19380

CUSTOMER PO			ORDER DATE	ORDERED BY	SHIP DATE		SHIPPED VIA		FREIGHT TERM	
SPARE PART ASHBRIDGE			10/22/21	JIM H	05/14/22				PAD	
COMMENTS			CO. UNIT / WH	ENTERED BY	ACCOUNT ID		ORIGINAL INVOICE		SALESPERSON	
			02 / DC	9795	E163		QT148326		0001	
LINE	SKU	CUSTOMER SKU	DESCRIPTION		ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
10	NS8888	62398002088	HMND PJU201610TF 20X16X10IN TW		2	2	0	327.12	E	654.24
20		MESSAGE	DELIVERY: 10 TO 12-WEEKS							
30		MESSAGE	*****							
			**							
40	NS8888	62398095244	HMND P2068 BACK PANEL		2	2	0	29.95	E	59.90
50	NS8888	01508190130	FAZ-B20/2-NA-L		2	2	0	93.80	E	187.60
60		MESSAGE	DELIVERY: 12 TO 14-WEEKS							
70		MESSAGE	*****							
			***							
80	NS8888	01023809316	FAZ-B5/1-NA-L-SP		2	2	0	47.50	E	95.00
90		MESSAGE	DELIVERY: 12 TO 14-WEEKS							
100		MESSAGE	*****							
			***							
110	NS8888	78211357421	CH3 HT8SP51 STANDARD L-PLT		2	2	0	8.70	E	17.40
120		MESSAGE	DELIVERY: 4 TO 6-WEEKS							
130		MESSAGE	*****							
			***							
140	NS8888	78211372859	CH3 HT8JBH1DAA5 3POS SSW		2	2	0	109.65	E	219.30
150		MESSAGE	DELIVERY: 2-WEEKS							
160		MESSAGE	*****							
			***							
170	NS8888	78211397102	CH3 AE16DNS0AC 3P 120V IEC STA		2	2	0	503.60	E	1007.20
180		MESSAGE	DELIVERY:2-WEEKS							
190		MESSAGE	*****							
			***							
210	NS8888	78358523108	HUBW HBL2320SW LKG RCPT-NMA L6		2	2	0	101.35	E	202.70
220		MESSAGE	DELIVERY; 12 TO 14-WEEKS							
230		MESSAGE	*****							

Invoice Due By: 6/13/2022

Invoices not paid within 30 days from the billing date are subject to a late fee of 1.5% per month.

All sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any proposed term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.coloniaelectric.com/termsandsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all calls for quality and training.

For a Complete List of Locations  
Please Visit  
**www.coloniaelectric.com**

www.BrightLightDesignCenter.com

www.AnnapolisLighting.com



## Divisions of Colonial Electric:

Original Invoice  
**INVOICE****colonial**electric supply company, inc.  
Since 1972... Powered By Excellence!  
201 W. Church Road  
King of Prussia, PA 19406  
610-312-8100  
www.coloniaelectric.com**colonial**major projects  
coloniaelectric.com/cmp

colonial

**teltek**  
colonialteltek.com**Bright Light**

brightlightdesigncenter.com

**Annapolis Lighting**

annapolislighing.com

INVOICE NUMBER

14291798

INVOICE DATE

05/14/22

PLEASE REMIT PAYMENT TO

Colonial Electric Supply Company, Inc.  
PO BOX 414564  
Boston MA 02241-4564

Billing Questions?

Call: THOMAS KARACKAI  
484-679-2295**BILLING ADDRESS**

10995 1 MB 0.485 E0370X I0676 D9113243093 S2 P9025097 0002:0002

**SHIPPING ADDRESS**EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE  
WEST CHESTER PA 19380EAST GOSHEN TOWNSHIP  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380-6107

CUSTOMER PO			ORDER DATE	ORDERED BY	SHIP DATE	SHIPPED VIA		FREIGHT TERM	
SPARE PART ASHBRIDGE			10/22/21	JIM H	05/14/22			PAD	
COMMENTS			CO. UNIT / WH	ENTERED BY	ACCOUNT ID	ORIGINAL INVOICE		SALESPERSON	
			02 / DC	9795	E163	QT148326		0001	
LINE	SKU	CUSTOMER SKU	DESCRIPTION	ORD QTY	SHIP QTY	BO QTY	UNIT PRICE	UM	EXTENDED AMT
250	NS8888	78358503982	*** HUBW HBL3331GC LKG PLUG-2P3W30 DELIVERY:2-WEEKS ***** ***	2	2	0	45.15	E	90.30
260		MESSAGE							
270		MESSAGE							
280	SOW10/3-CUT		SOW10/3-CUT 10/3 SO BLACK COR\$	30	30	0	3181.76	M	95.45
281		MESSAGE	1 X 30 ON COIL						
290	NS8888	78211397101	CH3 AE16DN0AC 3P 120V IEC STAR	0	0	0	448.60	E	0.00
300	78211341348	78211341348	CH3 C320KGS1 CNCTR AUX CNT	0	0	0	55.00	E	0.00
310	78211396757	78211396757	CH3 H2011B-3 NM STR OL RELAY H	2	2	0	92.40	E	184.80
320	NS8888	78358523108	HUBW HBL2320SW LKG RCPT-NMA L6	0	0	0	101.35	E	0.00
330	78358503782	78358503782	HUBW HBL2321 GRD LKG PLUG-NM L	2	2	0	23.58	E	47.16
340	SOW10/3-CUT		SOW10/3-CUT 10/3 SO BLACK COR\$	4	4	0	0.00	M	0.00
341		MESSAGE	NO CHARGE-OVERAGE LINE 280						

Invoice Due By: 6/13/2022

Invoices not paid within 30 days from the billing date are subject to a late fee of 1.5% per month. All sales are subject to Colonial's standard terms and conditions of sale in effect as of the date of the placement of an order. Colonial objects to any proposed term that is inconsistent with its standard terms of sale. Colonial's current standard terms and conditions of sale can be found at <http://www.coloniaelectric.com/termsofsale> or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change without notice. To ensure proper customer service, Colonial Electric records all calls for quality and training.

For a Complete List of Locations  
Please Visit  
**www.coloniaelectric.com**

www.BrightLightDesignCenter.com

www.AnnapolisLighting.com

Accepted By

CHAOK

CUMMINS

SUBTOTAL 2861.05

S&amp;H CHGS

0.00% TAX 0.00

**PAY THIS AMOUNT 2861.05**



# colonial electric supply

Since 1972... Powered By Excellence!

[www.coloniaelectric.com](http://www.coloniaelectric.com)

Downingtown (610) 873-6400  
Reading (610) 374-2134

Glenolden (610) 870-0160  
Warminster (215) 672-5600

Corporate Office  
201 W.Church Road  
King of Prussia, PA 19406  
Phone: (610) 312-8100  
Fax: (610) 312-8131

Myerstown (717) 376-3039  
Vineland (856) 462-63009  
Collegeville (610) 489-7600

Lancaster (717) 405-3101  
Hammonton (609) 704-99501  
Pleasantville (609) 645-8110

Allentown (610) 435-9691  
Brooklyn (718) 210-0590  
Wilmington (302) 998-9993

Northeast Philadelphia (215) 464-0800  
Center City Philadelphia (215) 928-0800  
Cape May Court House (609) 465-7144

## PACKING LIST

Invoice No.	Date	Page
14291798	05/12/22	1 of 4

Ship To	
EAST GOSHEN TOWNSHIP EAST GOSHEN TWP 1580 PAOLI PIKE [F]	Sig Req'd
WEST CHESTER PA 19380	

Sold To	
EAST GOSHEN TOWNSHIP ATTN: ACCOUNTS PAYABLE 1580 PAOLI PIKE WEST CHESTER PA 19380	E163

Customer PO	Date Ordered	Ordered By	Date Required
SPARE PART ASHBRIDGE	10/22/21	JIM H	05/13/22

Shipped Via	Freight	Source	Co. Unit / WH	Entered By	Account ID
	PAD	CC	02 / DC	9795	E163

Original Invoice	Salesperson	Comments
QT148326	0001	

Job No	Contact	Payment Terms
	ANNE Phone: 610-436-9922	N30D

Line	SKU	WH Location	Description	Ordered	Back Ordered	Shipped	Unit Price	UM	Extended Amt
10	NS8888		HMND PJU201610TF 20X16X10IN TW CUST SKU: 62398002088	2	0	2	327.12	E	654.24
20	MESSAGE		DELIVERY: 10 TO 12-WEEKS						
30	MESSAGE		*****						
40	NS8888		HMND P2068 BACK PANEL CUST SKU: 62398095244	2	0	2	29.95	E	59.90
50	NS8888		FAZ-B20/2-NA-L CUST SKU: 01508190130	2	0	2	93.80	E	187.60
60	MESSAGE		DELIVERY: 12 TO 14-WEEKS						
70	MESSAGE		*****						
80	NS8888		FAZ-B5/1-NA-L-SP CUST SKU: 01023809316	2	0	2	47.50	E	95.00
90	MESSAGE		DELIVERY: 12 TO 14-WEEKS						
100	MESSAGE		*****						
110	NS8888		CH3 HT8SP51 STANDARD L-PLT	2	0	2	8.70	E	17.40

Continued Next Page





# colonial electric supply

Since 1972... Powered By Excellence!

[www.coloniaelectric.com](http://www.coloniaelectric.com)

Downingtown (610) 873-6400  
Reading (610) 374-2134

Glenolden (610) 870-0160  
Warminster (215) 672-5600

Corporate Office  
201 W.Church Road  
King of Prussia, PA 19406  
Phone: (610) 312-8100  
Fax: (610) 312-8131

Myerstown (717) 376-3039  
Vineland (856) 462-63009  
Collegeville (610) 489-7600

Lancaster (717) 405-3101  
Hammonton (609) 704-99501  
Pleasantville (609) 645-8110

Allentown (610) 435-9691  
Brooklyn (718) 210-0590  
Wilmington (302) 998-9993

Northeast Philadelphia (215) 464-0800  
Center City Philadelphia (215) 928-0800  
Cape May Court House (609) 465-7144

## PACKING LIST

Invoice No.	Date	Page
14291798	05/12/22	2 of 4

### Ship To

EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE [F]

WEST CHESTER PA 19380

### Sold To

EAST GOSHEN TOWNSHIP E163  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380

Customer PO	Date Ordered	Ordered By	Date Required
SPARE PART ASHBRIDGE	10/22/21	JIM H	05/13/22

Shipped Via	Freight	Source	Co. Unit / WH	Entered By	Account ID
	PAD	CC	02 / DC	9795	E163

Original Invoice	Salesperson	Comments
QT148326	0001	

Job No	Contact	Payment Terms
	ANNE Phone: 610-436-9922	N30D

Line	SKU	WH Location	Description	Ordered	Back Ordered	Shipped	Unit Price	UM	Extended Amt
120	MESSAGE		DELIVERY: 4 TO 6-WEEKS						
130	MESSAGE		*****						
			CUST SKU: 78211372859						
140	NS8888		CH3 HT8JBH1DAA5 3POS SSW	2	0	2	109.65	E	219.30
			CUST SKU: 78211372859						
150	MESSAGE		DELIVERY: 2-WEEKS						
160	MESSAGE		*****						
170	NS8888		CH3 AE16DNS0AC 3P 120V IEC STA	2	0	2	503.60	E	1007.20
			CUST SKU: 78211397102						
180	MESSAGE		DELIVERY: 2-WEEKS						
190	MESSAGE		*****						
210	NS8888		HUBW HBL2320SW LKG RCPT-NMA L6	2	0	2	101.35	E	202.70
			CUST SKU: 78358523108						
220	MESSAGE		DELIVERY: 12 TO 14-WEEKS						
230	MESSAGE		*****						

Continued Next Page



# colonial electric supply

Since 1972... Powered By Excellence!

[www.coloniaelectric.com](http://www.coloniaelectric.com)

Downingtown (610) 873-6400  
Reading (610) 374-2134

Glenolden (610) 870-0160  
Warminster (215) 672-5600

Corporate Office  
201 W.Church Road  
King of Prussia, PA 19406  
Phone: (610) 312-8100  
Fax: (610) 312-8131

Myerstown (717) 376-3039  
Vineyard (856) 462-63009  
Collegeville (610) 489-7600

Lancaster (717) 405-3101  
Hammonton (609) 704-99501  
Pleasantville (609) 645-8110

Allentown (610) 435-9691  
Brooklyn (718) 210-0590  
Wilmington (302) 998-9993

Northeast Philadelphia (215) 464-0800  
Center City Philadelphia (215) 928-0800  
Cape May Court House (609) 465-7144

## PACKING LIST

Invoice No.	Date	Page
14291798	05/12/22	3 of 4

Ship To  
EAST GOSHEN TOWNSHIP  
EAST GOSHEN TWP  
1580 PAOLI PIKE [F]  
  
WEST CHESTER PA 19380

Sold To  
EAST GOSHEN TOWNSHIP E163  
ATTN: ACCOUNTS PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER PA 19380

Customer PO	Date Ordered	Ordered By	Date Required
SPARE PART ASHBRIDGE	10/22/21	JIM H	05/13/22

Shipped Via	Freight	Source	Co. Unit / WH	Entered By	Account ID
	PAD	CC	02 / DC	9795	E163

Original Invoice	Salesperson	Comments
QT148326	0001	

Job No	Contact	Payment Terms
	ANNE Phone: 610-436-9922	N30D

Line	SKU	WH Location	Description	Ordered	Back Ordered	Shipped	Unit Price	UM	Extended Amt
250	NS8888	Wire	HUBW HBL3331GC LKG PLUG-2P3W30 CUST SKU: 78358503982 DELIVERY:2-WEEKS *****	2	0	2	45.15	E	90.30
260	MESSAGE								
270	MESSAGE								
280	SOW10/3-CUT		SOW10/3-CUT 10/3 SO BLACK COR\$	30	0	30	3181.76	M	95.45
281	MESSAGE		1 X 30 ON COIL						
290	NS8888		CH3 AE16DN0AC 3P 120V IEC STAR CUST SKU: 78211397101	0	0	0	448.60	E	0.00
300	78211341348		CH3 C320KGS1 CNCTR AUX CNT CUST SKU: 78211341348	0	0	0	55.00	E	0.00
310	78211396757		CH3 H2011B-3 NM STR OL RELAY H CUST SKU: 78211396757	2	0	2	92.40	E	184.80
320	NS8888		HUBW HBL2320SW LKG RCPT-NMA L6 CUST SKU: 78358523108	0	0	0	101.35	E	0.00
330	78358503782		HUBW HBL2321 GRD LKG PLUG-NM L	2	0	2	23.58	E	47.16

X

**RETURNS POLICY:** All returns must have prior authorization. Returns under \$25.00 will not be accepted. No cash refunds will be given for material returned. Returns must be undamaged in manufacturers original carton and may be subject to a restocking fee.  
**SPECIAL ORDERS:** A deposit is required on special order merchandise, and these orders are non-cancelable and non-returnable.  
**TERMS & CONDITIONS:** Colonial's current standard terms and conditions of sale can be found at [www.coloniaelectric.com/TermsOfSale](http://www.coloniaelectric.com/TermsOfSale) or a copy can be obtained from Colonial's Customer Financial Services Dept. All terms and conditions are subject to change.

TP: 1

Subtotal

2861.05

17:26:28

Transportation

0.00

.0% Tax

0.00

Total

2861.05

Picked by Cartons Packages Reels

Coils Pieces Bundles Skids



68547



Gawthrop Greenwood, PC  
Attorneys at Law

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

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

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

PAID  
5/4

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
04/11/2022  
Client No: 6604-001M  
Invoice No. 255872

General Authority Services

### Fees

		Hours	
03/11/2022			
PMM	Email from S. Smith regarding meeting agenda.	0.20	40.00
03/14/2022			
SLF	Preparation for and attendance at Board meeting	2.00	400.00
	For Current Services Rendered	2.20	440.00

### Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Stacey L. Fuller	2.00	\$200.00	\$400.00
Patrick M. McKenna	0.20	200.00	40.00

Previous Balance \$360.00

Total Current Charges 440.00

03/15/2022 Payment -360.00

Balance Due \$440.00

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

*[Signature]*  
4/11/22

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

68515

PAID  
5/3

CCNY

500 North Lewis Road  
Limerick, PA 19468  
Phone: 610-935-1420  
EIN: 23-1518888

Web: [www.maillie.com](http://www.maillie.com)  
E-mail: [firm@maillie.com](mailto:firm@maillie.com)

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

Client Number: 2500  
Invoice: 1000121613  
Date: 03/31/2022  
Due Date: Upon Receipt

Billing for time incurred to March 31, 2022, for the following services:

Final billing on the 2021 East Goshen Municipal Authority financial statements and preparation of your audit report thereon \$3,250.00

Billed Time & Expenses \$3,250.00

Invoice Total \$3,250.00

APPROVED BY: \_\_\_\_\_

DATE PAID: \_\_\_\_\_

CHECK #: \_\_\_\_\_

CHARGED TO: 07424,3110

<u>03/31/2022</u>	<u>02/28/2022</u>	<u>01/31/2022</u>	<u>12/31/2021</u>	<u>11/30/2021+</u>	<u>Total</u>
3,250.00	0.00	0.00	0.00	0.00	\$3,250.00

Please return this portion with payment.

ID: 2500

East Goshen Municipal Authority

Date: 03/31/2022

Due Date: Upon Receipt

Invoice: 1000121613

Amount Due: \$3,250.00

Amount Enclosed: \$ \_\_\_\_\_

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

To pay by ACH, email payment details to [Payments@maillie.com](mailto:Payments@maillie.com) and use this ACH information:

Customers Bank  
99 Bridge Street  
Phoenixville, PA 19460

Routing #: 031302971

Account #: 6874053

# Memo

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To: Municipal Authority  
From: Dave Ware  
Re: MA April 2022 Financial Report  
Date: June 9, 2022

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In April 2022, the Municipal Authority recorded \$36,415 in revenues (transfers from Sewer Operating and Sewer Capital Reserve) and \$36,414 in expenses (General Engineering Services, 2 Rebuilt Fairbanks Pumps for the Ashbridge Pump Station, Engineering for Hershey's Mill Estates Sewer Replacement and Engineering for RCSTP UV Replacement), for a net result of operations of \$0. As of April 30, 2022, the fund balance was \$9,128.

EAST GOSHEN TOWNSHIP  
Other Funds  
April 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
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000			0.69	0.69		0.15	0.15
DCED 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)			
MISCELLANEOUS REVENUE	07380 1000			141.12	141.12			
TRANSFER FROM SEWER OPERATING	07392 0500	130,000		39,027.55	39,027.55		10,814.00	10,814.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	476,930	248,228	52,634.75	(195,593.18)	90,393	25,600.37	(64,792.74)
<b>TOTAL REVENUE</b>		<b>764,910</b>	<b>248,563</b>	<b>92,085.99</b>	<b>(156,476.74)</b>	<b>90,393</b>	<b>36,414.52</b>	<b>(53,978.59)</b>
<b>EXPENSES</b>								
ADMINISTRATIVE WAGES	07424 1400	30,529	7,281	8,372.05	(1,091.55)			
MISCELLANEOUS EXPENSE	07424 3000	1,500	1,345	1,540.25	(195.27)	780		779.79
MUNIC.AUTH.-AUDITING	07424 3110	10,300	10,300	7,000.00	3,300.00	2,223		2,222.74
ENGINEERING SERVICES	07424 3130	45,000	14,113	20,555.25	(6,442.27)	9,181	10,814.00	(1,632.75)
LEGAL SERVICES	07424 3140	8,000	2,852	1,560.00	1,291.57	2,121		2,120.64
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)			
ASHBRIDGE PUMP STATION CAPITAL	07429 1502			8,632.00	(8,632.00)		8,632.00	(8,632.00)
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503			29,268.57	(29,268.57)		3,403.62	(3,403.62)
HUNT CO PUMP STATION CAPITAL	07429 1504			1,870.00	(1,870.00)			
RCSTP CAPITAL	07429 1505	46,897	50,917	13,564.75	37,351.75	13,526	13,564.75	(38.85)
WEST GOSHEN CAPITAL	07429 6100	136,284						
<b>TOTAL EXPENSES</b>		<b>764,910</b>	<b>86,807</b>	<b>94,577.87</b>	<b>(7,771.34)</b>	<b>27,830</b>	<b>36,414.37</b>	<b>(8,584.05)</b>
<b>NET RESULT FROM OPERATIONS</b>			<b>161,756</b>	<b>(2,491.88)</b>	<b>(164,248.08)</b>	<b>62,563</b>	<b>0.15</b>	<b>(62,562.64)</b>

# Memo

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To: Municipal Authority  
From: Dave Ware  
Re: MA May 2022 Financial Report  
Date: June 9, 2022

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In May 2022, the Municipal Authority recorded \$10,576 in revenues (transfers from Sewer Operating and Sewer Capital Reserve plus Tapping Fees) and \$10,276 in expenses (General Engineering Services, Legal Services, and Engineering for RCSTP UV Replacement), for a net result of operations of \$300. As of May 31, 2022, the fund balance was \$9,428.

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

EAST GOSHEN TOWNSHIP  
Other Funds  
May 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
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000			0.78	0.78		0.09	0.09
DCED GRANT	07354 0400	152,980						
C.C. TAPPING FEES	07364 1100	2,000	2,000		(2,000.00)	2,000		(2,000.00)
R.C.TAPPING FEES	07364 1110	2,000		300.00	300.00		300.00	300.00
CONNECTION FEES - SEWER	07364 1130	1,000	335	281.88	(52.92)			
MISCELLANEOUS REVENUE	07380 1000			141.12	141.12			
TRANSFER FROM SEWER OPERATING	07392 0500	130,000		44,001.05	44,001.05		4,973.50	4,973.50
TRANSFER FROM SEWER CAP RESERVE	07392 0900	476,930	383,818	57,937.25	(325,880.80)	135,590	5,302.50	(130,287.62)
<b>TOTAL REVENUE</b>		<b>764,910</b>	<b>386,153</b>	<b>102,662.08</b>	<b>(283,490.77)</b>	<b>137,590</b>	<b>10,576.09</b>	<b>(127,014.03)</b>
<b>EXPENSES</b>								
ADMINISTRATIVE WAGES	07424 1400	30,529	7,281	8,372.05	(1,091.55)			
MISCELLANEOUS EXPENSE	07424 3000	1,500	1,345	1,540.25	(195.27)			
MUNIC.AUTH.-AUDITING	07424 3110	10,300	10,300	10,250.00	50.00		3,250.00	(3,250.00)
ENGINEERING SERVICES	07424 3130	45,000	16,665	25,857.75	(9,192.69)	2,552	5,302.50	(2,750.42)
LEGAL SERVICES	07424 3140	8,000	2,852	2,000.00	851.57		440.00	(440.00)
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)			
ASHBRIDGE PUMP STATION CAPITAL	07429 1502			8,632.00	(8,632.00)			
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503			29,268.57	(29,268.57)			
HUNT CO PUMP STATION CAPITAL	07429 1504			1,870.00	(1,870.00)			
RCSTP CAPITAL	07429 1505	46,897	56,771	14,848.25	41,922.82	5,855	1,283.50	4,571.07
WEST GOSHEN CAPITAL	07429 6100	136,284						
<b>TOTAL EXPENSES</b>		<b>764,910</b>	<b>95,213</b>	<b>104,853.87</b>	<b>(9,640.69)</b>	<b>8,407</b>	<b>10,276.00</b>	<b>(1,869.35)</b>
<b>NET RESULT FROM OPERATIONS</b>			<b>290,940</b>	<b>(2,191.79)</b>	<b>(293,131.46)</b>	<b>129,183</b>	<b>300.09</b>	<b>(128,883.38)</b>

# MUNICIPAL AUTHORITY May 31, 2022 YTD Financials

Account #	Description	Per	Src	Trx#	Debits	Credits	Balance	Date	Check#	Name	Description	Description 2
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	7100.1035	
07341-1000	INTEREST EARNINGS	2203	JE	82815	-	0.17	0	3/31/2022	INTEREST	INTEREST EARNED MARCH 2022	07 FUND	
07341-1000	INTEREST EARNINGS	2204	JE	83206	-	0.15	0	4/30/2022	INTEREST	INTEREST EARNED APRIL 2022	7100	
07341-1000	INTEREST EARNINGS	2205	JE	83641	-	0.09	0	44712	INTEREST	INTEREST EARNED MAY 2022	07 FUND	
07364-1110	BEGINNING BALANCE						0					
07364-1110	R.C.TAPPING FEES	2205	RE	83419	-	300.00	0	44699 83419 1			706 HEMLOCK HILL SEWER INSPECT	R.C.TAPPING FEES
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	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	XFER \$ FROM 05 & 09 RE: JAN.	2022 MA EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82519	-	660.00	0	44628	XFER	XFER \$ FROM SEWER & SEWER	CAPITAL TO MA	
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82561	-	360.00	0	44631	XFER	XFER \$ FROM 05 TO 07 MA AUTH.		
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82627	-	7,000.00	0	44638	XFER	XFER \$ FROM 05 TO 07 RE: 07	EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERATING	2203	JE	82773	-	8,372.05	0	44650	XFER	XFER \$ FROM 05 TO 07 TO COVER	MA EXPENSE - EGT QTR.1	
07392-0500	TRANSFER FROM SEWER OPERATING	2204	JE	82986	-	10,814.00	0	44665	XFER MA	XFER \$ FROM 05 & 09 TO MA RE:	APRIL EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERATING	2205	JE	83218	-	3,690.00	0	44685	XFER	XFER \$ FROM 05 TO MA TO COVER	EXPENSES	
07392-0500	TRANSFER FROM SEWER OPERATING	2205	JE	83370	-	1,283.50	0	44694	XFER	XFER \$ TO MA RE: MAY EXPENSES	FROM 05 & 09	
07392-0900	BEGINNING BALANCE						0					
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2201	JE	81851	-	18,986.13	0	44574	XFER	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	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	XFER \$ FROM SEWER & SEWER	CAPITAL TO MA	
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2204	JE	82986	-	25,600.37	0	44665	XFER MA	XFER \$ FROM 05 & 09 TO MA RE:	APRIL EXPENSES	
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2205	JE	83370	-	5,302.50	0	44694	XFER	XFER \$ TO MA RE: MAY EXPENSES	FROM 05 & 09	
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 REIMBURSEMENT	
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	ANNL 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	
07424-3110	MUNIC.AUTH.-AUDITING	2205	CD	83214	3,250.00	-	0	44684	3314	MAILLIE FALCONIERO & CO.	FINAL BILLING - 2021 MUNICIPAL AUTH	FINANCIAL STATEMENTS
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	
07424-3130	ENGINEERING SERVICES	2204	CD	82985	10,814.00	-	0	44665	3313	PENNONI ASSOCIATES INC.	SERVICES THRU 3/20/22 2022 GEN.SERV	
07424-3130	ENGINEERING SERVICES	2205	CD	83360	5,302.50	-	0	44693	3316	PENNONI ASSOCIATES INC.	SERVICES THRU 4/17/22 2022 GEN.SERV	
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.	
07424-3140	LEGAL SERVICES	2205	CD	83217	440.00	-	0	44685	3315	GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 3/11-3/14/22 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	
07429-1502	BEGINNING BALANCE						0					
07429-1502	ASHBRIDGE PUMP STATION CAPITAL	2204	CD	82985	8,632.00	-	0	44665	3312	DECKMAN MOTOR & PUMP INC.	2 REBUILT FAIRBANKS PUMPS	
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	

# MUNICIPAL AUTHORITY May 31, 2022 YTD Financials

Account #	Description	Per	Src	Trx#	Debits	Credits	Balance	Date	Check#	Name	Description	Description 2
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	
07429-1503	HERSHEYS MILL PUMP STATION CAPITAL	2204	CD	82985	3,403.62	-	0	44665	3313	PENNONI ASSOCIATES INC.	SERVICES THRU 3/20/22 HM ESTATES	
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	
07429-1505	BEGINNING BALANCE						0					
07429-1505	RCSTP CAPITAL	2204	CD	82985	13,564.75	-	0	44665	3313	PENNONI ASSOCIATES INC.	SERVICES THRU 3/20/22 RCSTP UV REP.	
07429-1505	RCSTP CAPITAL	2205	CD	83360	1,283.50	-	0	44693	3316	PENNONI ASSOCIATES INC.	SERVICES THRU 4/17/22 RCSTP UV	



# Memo

To: Municipal Authority  
From: Dave Ware  
Re: Financial Update for the MA - Current obligations and long term funding  
Date: June 9, 2022

Gentlemen,

Considering the conversations and preliminary studies by Pennoni regarding a possible sewer expansion which would necessitate a minimum of \$20.0M of new debt, I thought it prudent to illuminate our current financial situation as it pertains to sewer reserves, current projects, rates, and our current shortfall.

Our current total sewer debt service (principal & interest) through 2037 is \$11.9M. This includes roughly \$1.0M annually through 2032, and then \$1.0M total remaining from 2033 through 2037. (\*See additional information in the packet). Mark Miller was kind enough to put together an Inventory List for Ridley Creek Sanitary Treatment Plant (including Pump Stations and Collection System) which indicates that East Goshen Township should have just over \$4.6M already in reserve to replace all of the capital items currently in operation. Our current Sewer Capital Reserve Fund balance is \$2.3M. I believe the primary reason for this funding gap is due to the calculation of sewer rates based on the current budget year, rather than additionally accounting for un-capitalized sewer assets, future projects, etc...For instance, the average single family household's quarterly bill has increased only 4.0% total, or 0.5% per year, over the 8 year period 2012 through 2019.

Below is a summary of Capital needed to attain the level of reserves I believe is needed to provide a level of security of funding for our sewer infrastructure in addition to the annual amounts transferred for Capital and Pipe Re-Lining already in place.

<b>Summary of Capital Plan Needed</b>
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Total Sewer Capital Reserves Needed	4,620,462
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\*(Capital Inventory List from Mark Miller not including sewer re-lining)

Current Sewer Reserves	<u>2,299,857</u>
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Needed for Reserves	2,320,604
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RCSTP UV Disinfection System Replacement	310,000
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West Goshen Sewer Authority Capital Project	215,000
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Hershey's Mill Estates Sewer Replacement	<u>550,000</u>
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Additional Need for Reserves	1,075,000
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<b>Total Needed for Reserves</b>	<b>3,395,604</b>
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<b>10 Year Proposed Capital Plan</b>	<b>3,430,309</b>
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(To be revisited for accuracy annually)

The logistics of my proposed 10 year Capital Plan investment are based similarly to West Goshen's current plan. I would leave 2021 sewer rates in place in 2022, but through an increase in the variable rate, the fixed rate, or a combination, raise the rate in 2023 such that the average single family household quarterly bill would increase \$15.00, or \$60.00 annually. The current average single family quarterly bill is \$169.84, increasing to \$184.84 in 2023, slightly above the average Chester County rate of \$177/Qtr and the median of \$180/Qtr. This would increase revenue by \$343K annually, which would be an additional capital contribution. That rate would remain for subsequent years subject to an annual analysis validating its methodology and whether the 10 year Capital Plan remains on track. It could need to be adjusted based on inflation, unforeseen projects, etc...The intention is to not overly burden current sewer customers, but provide time before an increase would go into effect, during which they could be educated on why the rate increase is necessary for the prolonged funding of this necessary infrastructure. Again, this is a preliminary idea, but I would like feedback on the current financial situation from the Municipal Authority as well as the time-table that I've laid out. I respect your practical and historical knowledge in these matters in which you are so well versed. Thank you in advance for your input and I look forward to discussion.

Sincerely,



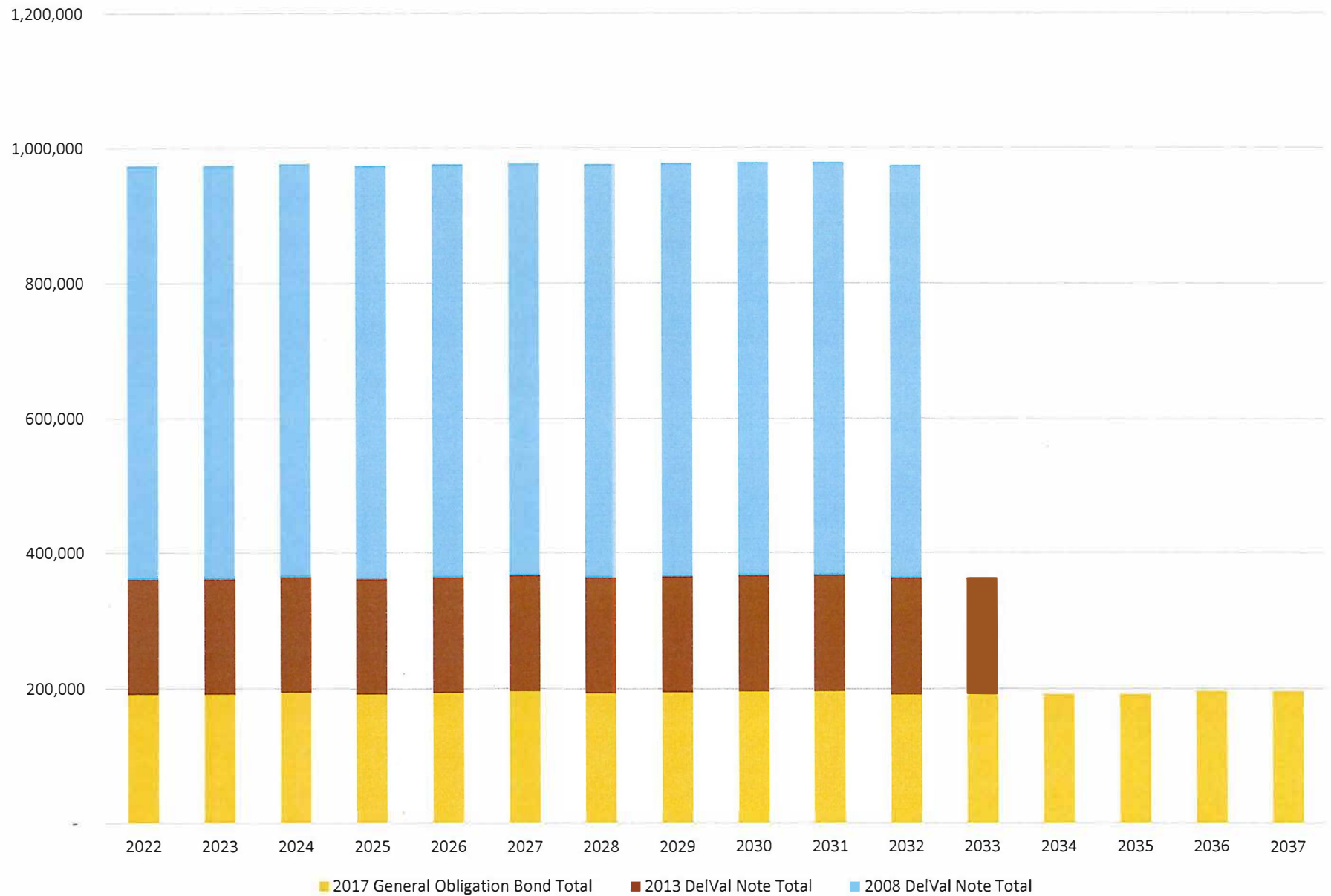
Dave Ware  
Director of Finance  
East Goshen Township

## Total Sewer Obligations by Source and Year

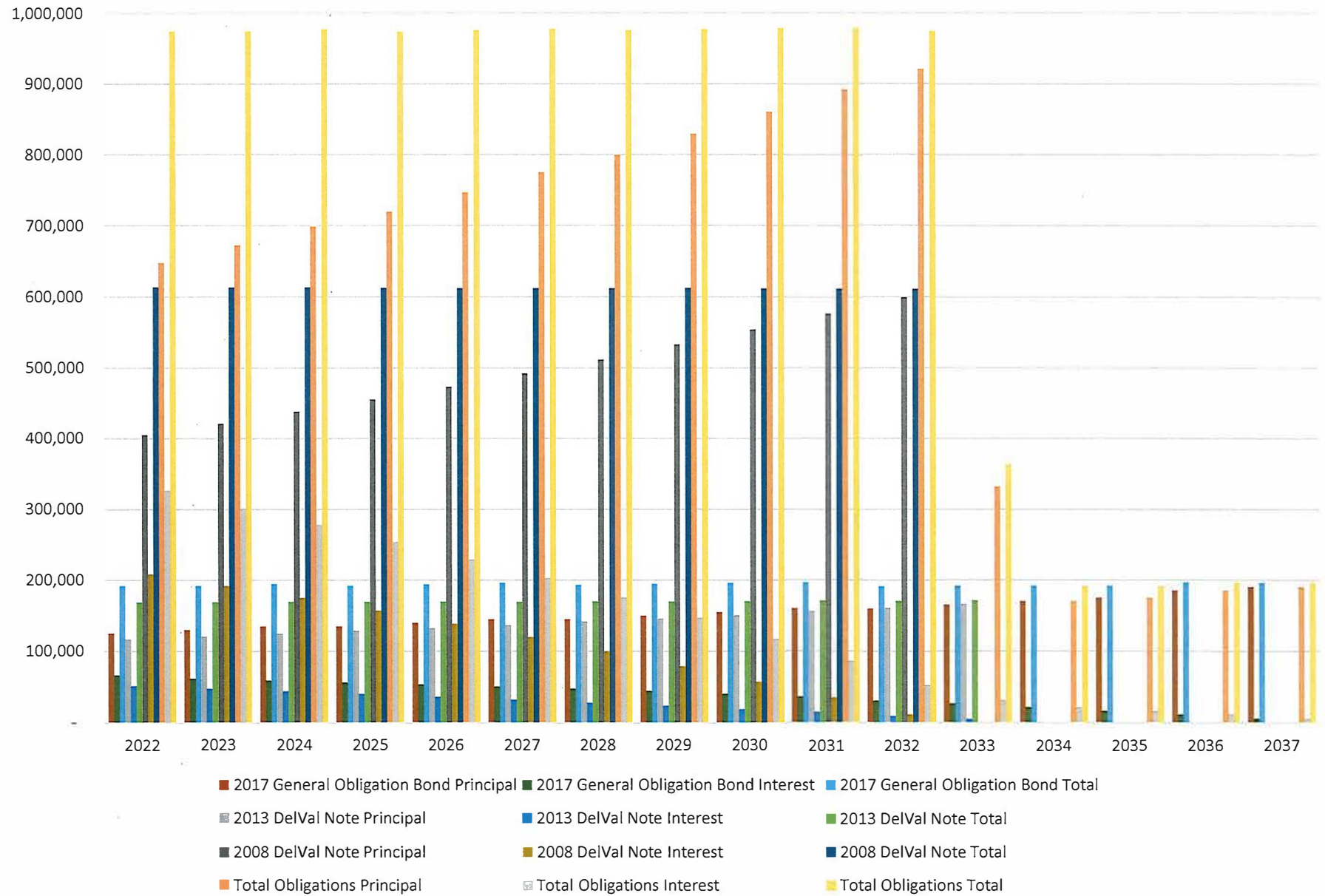
Source	Payment Type	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	\$ Outstanding
2017 General Obligation Bond	Principal	125,000	130,000	135,000	135,000	140,000	145,000	145,000	150,000	155,000	160,000	160,000	165,000	170,000	175,000	185,000	190,000	2,465,000
	Interest	66,789	61,789	59,189	56,489	53,789	50,989	47,908	44,645	40,895	36,245	31,445	26,645	21,695	16,595	11,345	5,795	632,245
	Total	191,789	191,789	194,189	191,489	193,789	195,989	192,908	194,645	195,895	196,245	191,445	191,645	191,695	191,595	196,345	195,795	3,097,245
2013 DelVal Note	Principal	117,000	121,000	125,000	129,000	133,000	137,000	142,000	146,000	151,000	156,000	161,000	166,000					1,684,000
	Interest	51,345	47,778	44,089	40,277	36,344	32,289	28,112	23,782	19,331	14,727	9,970	5,061					353,105
	Total	168,345	168,778	169,089	169,277	169,344	169,289	170,112	169,782	170,331	170,727	170,970	171,061	-	-	-	-	2,037,105
2008 DelVal Note	Principal	405,000	421,000	438,000	455,000	473,000	492,000	512,000	533,000	554,000	576,000	599,000						5,458,000
	Interest	208,118	191,763	174,755	157,073	138,699	119,592	99,713	79,022	57,499	35,125	11,860						1,273,219
	Total	613,118	612,763	612,755	612,073	611,699	611,592	611,713	612,022	611,499	611,125	610,860	-	-	-	-	-	6,731,219
Total Obligations	Principal	647,000	672,000	698,000	719,000	746,000	774,000	799,000	829,000	860,000	892,000	920,000	331,000	170,000	175,000	185,000	190,000	9,607,000
	Interest	326,252	301,330	278,032	253,839	228,832	202,870	175,732	147,449	117,725	86,097	53,275	31,706	21,695	16,595	11,345	5,795	2,258,569
	Total	973,252	973,330	976,032	972,839	974,832	976,870	974,732	976,449	977,725	978,097	973,275	362,706	191,695	191,595	196,345	195,795	11,865,569

**Note: Approximately \$1.0M paid annually through 2032. Then \$1.0M total from 2033-2037.**

## Total Sewer Debt By Source and Year (Principal & Interest)



## Sewer Debt By Source and Year (Principal, Interest, Total)



Steve Botella Construction & Excavation Inc.  
190 Locksley Rd  
Glen Mills, Pa 19342  
610.399.3359  
PA042512



1/17/22

Kyong-Ale Thomas  
1344 Moorstein Rd  
West Chester, Pa 19380

267-250-4528

This is an estimate to connect the house at address above to public sewer to include:

- Install an E-One DH071-93 grinder pump near the septic tanks
- Provide all electrical labor and materials to install the control panel. Install the pump control panel on the septic tank side of the house
- Directional Drill from the pump to the sewer main in Eastwick Circle and pull back 1-1/4 inch hdpe with tracer wire.
- Make a connection at the sewer main in the grass area of the cul-de-sac with a saddle, 5ft of 4 inch pipe and one clean out.
- Pump out the existing septic tanks/cesspool up to 3000 gallons and fill with dirt.
- Finish grade, seed and straw disturbed areas
- Botella will not be responsible for damage to any unmarked or mis-marked utilities
- Plumbing, electrical permits, testing and electrical inspection is not included
- All materials remain the property of Botella Construction until final payment
- In the event the contractor discovers rock or any other obstruction that requires additional time, equipment or materials, an additional cost will be charged.

- TOTAL: \$38,760.00

2043 2/2/22

**TERMS: \$10,000.00 deposit, Balance upon completion of the sewer work**

ACCEPTED: 

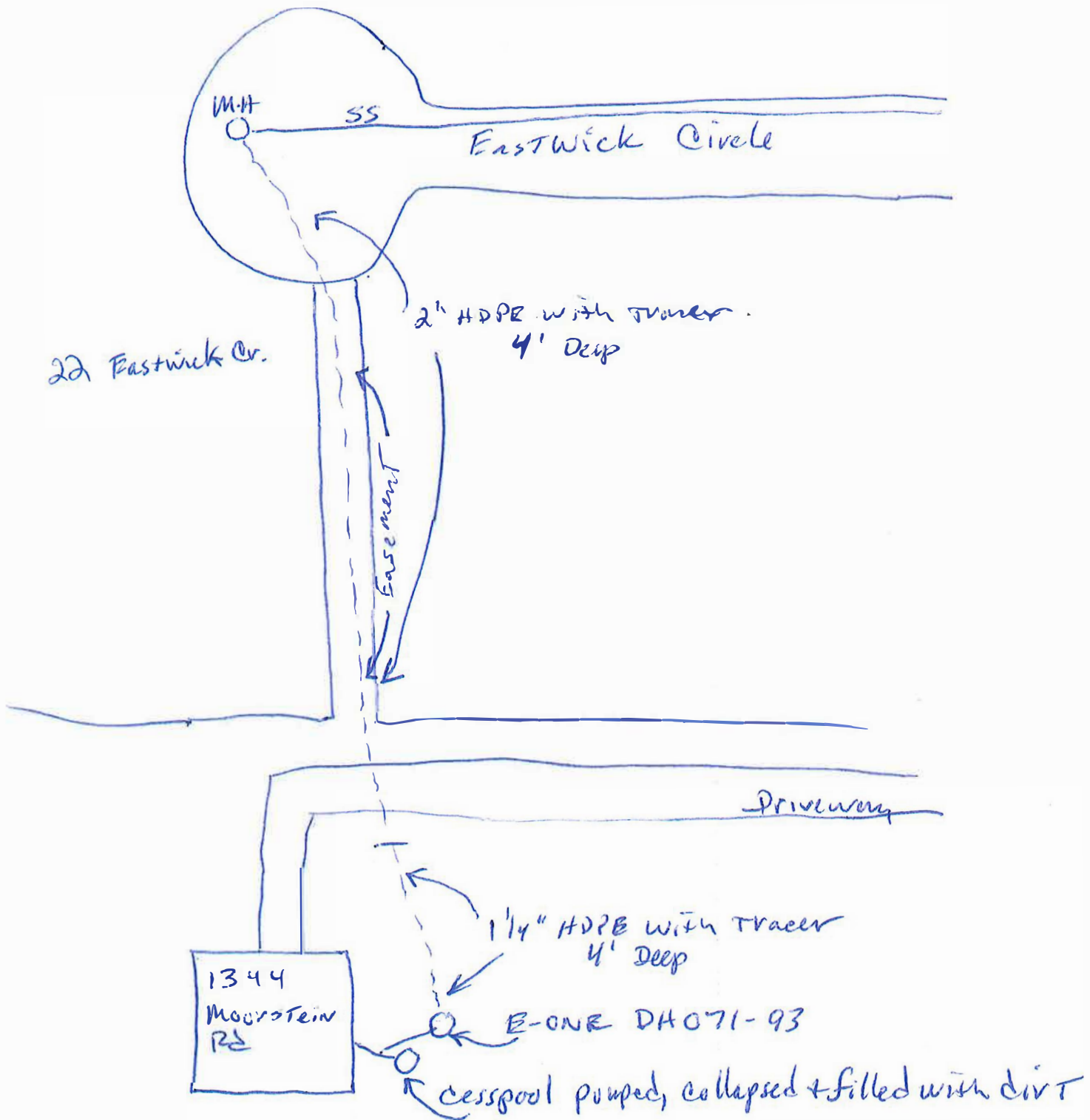
DATE: 

Sincerely,

Steve Botella



1344 Moorstein Rd





EAST GOSHEN TOWNSHIP  
CONTRACTOR INFORMATION FORM

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199  
PHONE (610)-692-7171 FAX (610)-692-8950 Website [www.eastgoshen.org](http://www.eastgoshen.org)  
codes@eastgoshen.org

PLEASE PRINT



Complete the applicable items and provide information as required by the East Goshen Township Code: §124.

1. ☐ Complete Contractor Information Form below.
2. ☐ Copy of General Liability Insurance certificate. §124-5.  
**EAST GOSHEN TOWNSHIP SHALL BE LISTED AS A CERTIFICATE HOLDER ON ALL INSURANCE CERTIFICATES.**
3. ☐ Copy of Worker's Compensation Insurance. (If applicable)  
If you are self-employed and are not required to carry Worker's Compensation, or claim religious exemption from Worker's Compensation, you must provide a completed affidavit with your application. See Item # 4.
4. ☐ Signed Affidavit regarding Worker's Compensation. (Page 2 of Application)  
The Commonwealth of PA requires contractors to be covered by Worker's Compensation Insurance.  
(This applies only to contractors who do **NOT** have employees) If you do not have employees, and additional contractors and/or subcontractors are working on the project, **ALL** must complete and submit individual contractor information forms.
5. ☐ **Check for \$25.00 (if applicable) Commercial Contractors & New Home Construction Contractors/Subcontractors.**  
NOTE: Residential home improvement contractors shall provide a copy of their PA HIC # and thereby are not required to submit the contractor's registration fee to East Goshen Township unless they are working on new dwellings or commercial projects or do not qualify under the requirements of the PA Home Improvement Consumer Protection Act 132.

Please contact the Township Code Department with any questions you might have regarding the above instructions.

Business Name: Botella Construction  
Address: 190 Locksley Rd  
City/State: Glen Mills, Pa Zip: 19342  
Phone #: 610 399 3359 Cell #: 610 636 8436  
Fax: \_\_\_\_\_ E-mail: Sjbotella@gmail.com  
Business Owners' Name: Steve Botella

Contractor Type (☒ applicable) ☐ General ☒ Plumbing ☐ Mechanical ☐ Electrical ☐ Other

Classification (☒): ☐ Residential ☐ Commercial ☐ Residential and Commercial

TWP Registration # \_\_\_\_\_ PA HIC # Pa 042512 PA HIC Expiration Date 8/12/23

☒ I hereby verify and affirm that all information on this application is true, correct and complete to the best of my ability and belief. I understand that if this application and information has been made with fraudulent intent, I may be guilty of a misdemeanor of the second degree punishable by a fine up to \$5000 and/or imprisonment up to two years upon conviction, pursuant to 18PA C.S.A. #4904 relating to unsworn falsification to authorities.

Date: 5/16/22

Signature of Applicant: Steve Botella

Please Print: Steve Botella



Prepared by/Return to:  
Matthew M. McKeon, Esq.  
MacElree Harvey, Ltd.  
17 W. Miner St., P.O. Box 660  
West Chester, PA 19381-0660  
(610) 436-0100

UPI Nos.: 53-1-45  
53-1-11.1

### **SANITARY SEWER EASEMENT AGREEMENT**

THIS SANITARY SEWER EASEMENT AGREEMENT (the "Agreement") is made this \_\_\_\_\_ day of May, 2022, between **ROBERT J. YOEGEL and MARYELLEN YOEGEL**, adult individuals (hereinafter called the "Grantors") and **KYONG-AIE THOMAS**, an adult individual (hereinafter called the "Grantee").

#### Background

WHEREAS, the Grantors own a certain parcel of real property situate in East Goshen Township, Chester County, Pennsylvania, more particularly described in Exhibit "A" hereto, being UPI No. 53-1-45 (the "Grantors' Property"); and

WHEREAS, the Grantee owns certain real property located in East Goshen Township, Chester County, Pennsylvania, more particularly described in Exhibit "B" hereto, being UPI No. 53-1-11.1 (the "Grantee's Property"); and

WHEREAS, the Grantee seeks to connect the Grantee's Property to the public sewer system as shown on the "Sanitary Sewer Easement Plan" drawn by G.D. Houtman & Son, Inc., dated March 21, 2022, and approved by the Board of Supervisors of East Goshen Township on \_\_\_\_\_, 2022 (the "Plan"), made a part hereof as Exhibit "C", and

WHEREAS, the Plan shows sanitary sewer lines through the Grantors' Property, and therefore the Grantee requires a sanitary sewer easement from the Grantors in order to connect the sewer line to the public sewer system as shown on the Plan; and

WHEREAS, the Grantors desire to grant, and the Grantee desires to accept, an easement for a sanitary sewer pipeline under the Grantors' Property (the "Easement"), as shown at Exhibit C and as described more particularly in the legal description attached hereto and made a part hereof as Exhibit "D".

NOW, THEREFORE, in consideration of the foregoing recitals which are incorporated herein by reference, and intending to be legally bound hereby, the Grantors hereby establish, for the Grantee and the Grantee's successors and assigns, the following perpetual sanitary sewer easement, right-of-way, restrictions and servitudes upon Grantor's Property:

1. Incorporation of Background. The above-stated Background is incorporated herein by reference as if fully set forth.

2. Grant of Easement.

a. The Grantors hereby grant, bargain and sell unto the Grantee, her successors and assigns, a 20 foot wide sanitary sewer easement (the "Easement Area") across the Grantors' Property as shown on Exhibit "C" and as described in Exhibit "D" attached hereto and made part hereof to have and to hold the said Easement Area described unto the said Grantee, her successors and assigns, to and for the use of the said Grantee, her successors and assigns, as and for the purposes herein described. The rights in and to the Easement Area granted herein shall run with the land in perpetuity and bind the future owners of Grantors' Property and Grantee's Property.

b. The Grantors hereby grant, bargain and sell unto the Grantee, her successors and assigns the right on, under and through the Easement Area, to excavate, construct, install, operate, replace, renew and maintain, in perpetuity, the sanitary sewer pipeline, accessories, and appurtenances together with rights of ingress, egress and regress in, to, over, upon, through, along and from said Easement Area for these purposes, as specified herein. The exercise of said rights being defined and limited as follows. The Grantee's rights pursuant to this Agreement are limited to the Easement Area shown at Exhibit C and described at Exhibit D hereto and solely for the purposes described in this Agreement.

3. Covenants Running With Land. The Easement and right-of-way hereby created and the rights and restrictions herein contained, shall run with the land and shall inure to the benefit of and be binding upon the present and future owners of the Grantors' Property and the Grantee's Property and their respective heirs, legal and personal representatives and assigns, successors in interest, and mortgagees and any tenants and any other persons or entities to whom they may grant rights and privileges under the Easement. Such rights and privileges shall be granted in writing.

4. Completion of Construction. Any work related to the initial construction of the sewer connection which occurs on the Grantors' Property, including below the surface of the Grantors' Property, shall be completed no later than fifteen (15) days of the commencement of the that portion of the work.

5. Compliance. The Grantee, her successors and assigns, shall exercise the rights herein granted, in accordance with sound and accepted engineering and construction practices, and in strict compliance with any permits issued and with any

rules and regulations governing the installation of the sanitary sewer pipeline and related facilities, and shall perform any and all work within the Easement Area as may be required in a careful and expeditious manner. The Grantee shall exercise her rights hereunder without interference with the Grantors' use of the Grantors' Property not contained within the boundaries of the Easement Area.

6. Restoration. The Grantee, no later than thirty (30) days following the exercise of any of her rights and privileges granted hereunder, shall back-fill any areas excavated, compact the ground as may be appropriate, and restore any and all disturbed surface of the ground. Any disturbance of ground of the Grantors' Property which was, prior to the construction, covered by grass shall be completely restored with natural turf of the same type and color within thirty (30) days of the completion of the construction of the sanitary sewer pipeline. Merely re-seeding disturbed areas of grass-covered ground on the Grantors' Property shall not be considered sufficient "restoration" for purposes of this Agreement.

7. Limitations on Access to the Grantors' Property. Should the Grantee or her successors, employees, agents or assigns need to access the Easement Area for a purpose authorized in this Agreement, she shall first notify the owners of the Grantors' Property in writing at forty-eight (48) hours beforehand. Access to the Easement Area for any purpose authorized by this Agreement shall be limited to between the hours of 8:30 a.m. and 6 p.m.

8. Use. This Easement is made subject to the right of the Grantors, and their successors and assigns, to the use and enjoyment of the Easement Area for any

purpose not inconsistent with the use, operation and maintenance of the said sanitary sewer pipelines, accessories, and appurtenances.

9. No Obstruction. The Grantors, for themselves and their heirs, successors and assigns, hereby covenant and agree to and with the Grantee, her successors and assigns, that no building, structure, or other impediments to the Grantee's free and unobstructed access to the Easement Area shall be placed, located, constructed or permitted to remain on or within the Easement Area. Any plants within the Easement Area as of the date of this Agreement may be maintained and replaced by the Grantors.

10. Maintenance. The Grantee shall be responsible for the construction, repair, replacement, and maintenance of the sanitary sewer pipeline and any of its associated accessories and appurtenances and the cost thereof, as well as any restoration of the Easement Area or any other part of the Grantors' Property and the costs associated with such restoration. The Grantees shall be responsible for maintaining the surface of the Easement Area other than maintenance for which the Grantee is responsible for under this Agreement.

11. Warranty. The Grantors, their heirs, successors and assigns, do by these presents, covenant, grant and agree to and with the Grantee, her successors and assigns, all and singular the hereditaments and premises herein described and granted, or mentioned and intended so to be, unto the Grantee, her successors and assigns, against it, the Grantors, their heirs successors and assigns, and against all and every other person or persons, whomsoever lawfully claiming or to claim the same or any part thereof, by, from or under them, SHALL AND WILL WARRANT AND FOREVER DEFEND.



12. Indemnification. The Grantee and her successors and assigns shall release, indemnify, defend, protect and save harmless the Grantors and their successors and assigns from and against any and all demands, claims, suits, damages, liabilities, costs and expenses, including without limitation, reasonable court costs and attorneys' fees, resulting from any and all loss of life or property, or from injury or damage to persons or property of any person, firm or entity including, but not limited to, the current and future owners of the Grantors' Property, their employees, agents and invitees, East Goshen Township, or the Greenhill Homeowners Association caused in whole or in part by the construction, use, operation, maintenance, repair, renewal, reconstruction or alteration of the sanitary sewer pipeline or its accessories or appurtenances or the Easement Area by any person or entity other than the owners of the Grantors' Property or their employees, agents, and invitees. This release and indemnity shall survive any termination of the sanitary sewer easement.

13. Termination or Modification. This Easement created herein shall not be extinguished, altered, amended, or limited except by a writing in form sufficient to be recorded, executed by the then record owners of the Lots and also executed by all mortgagees then holding mortgages of record.

14. Compliance; Governing Law. This Easement and any subsequent easement or access provided pursuant to the terms of this Easement, shall comply with all state and local ordinances, rules, and regulations. This Easement shall be construed,

interpreted, and applied in accordance with the laws of the Commonwealth of Pennsylvania.


IN WITNESS WHEREOF, the parties have signed this Easement on the day and year first indicated hereinabove.

**GRANTORS:**

  
Robert J. Yoegel

  
Maryellen Yoegel

**GRANTEE:**

  
Thomas Kyong-Aie

**ACKNOWLEDGMENTS**

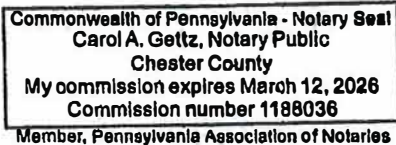
COMMONWEALTH OF PENNSYLVANIA

:  
: SS.  
:

COUNTY OF CHESTER

On this, the 10<sup>th</sup> day of May, 2022, before me, the undersigned officer, personally appeared **Robert J. Yoegel**, known to me or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.



Carol A. Gettz  
Notary Public

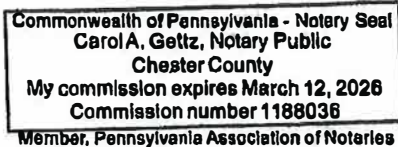
COMMONWEALTH OF PENNSYLVANIA

:  
: SS.  
:

COUNTY OF CHESTER

On this, the 10<sup>th</sup> day of May, 2022, before me, the undersigned officer, personally appeared **Maryellen Yoegel**, known to me or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that she executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.



Carol A. Gettz  
Notary Public

My Commission Expires:

My Commission Expires:

**ACKNOWLEDGMENT**

COMMONWEALTH OF PENNSYLVANIA

:  
: ss.  
:

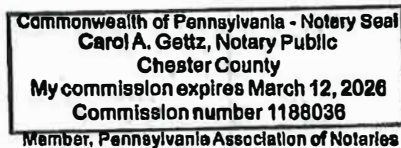
COUNTY OF CHESTER

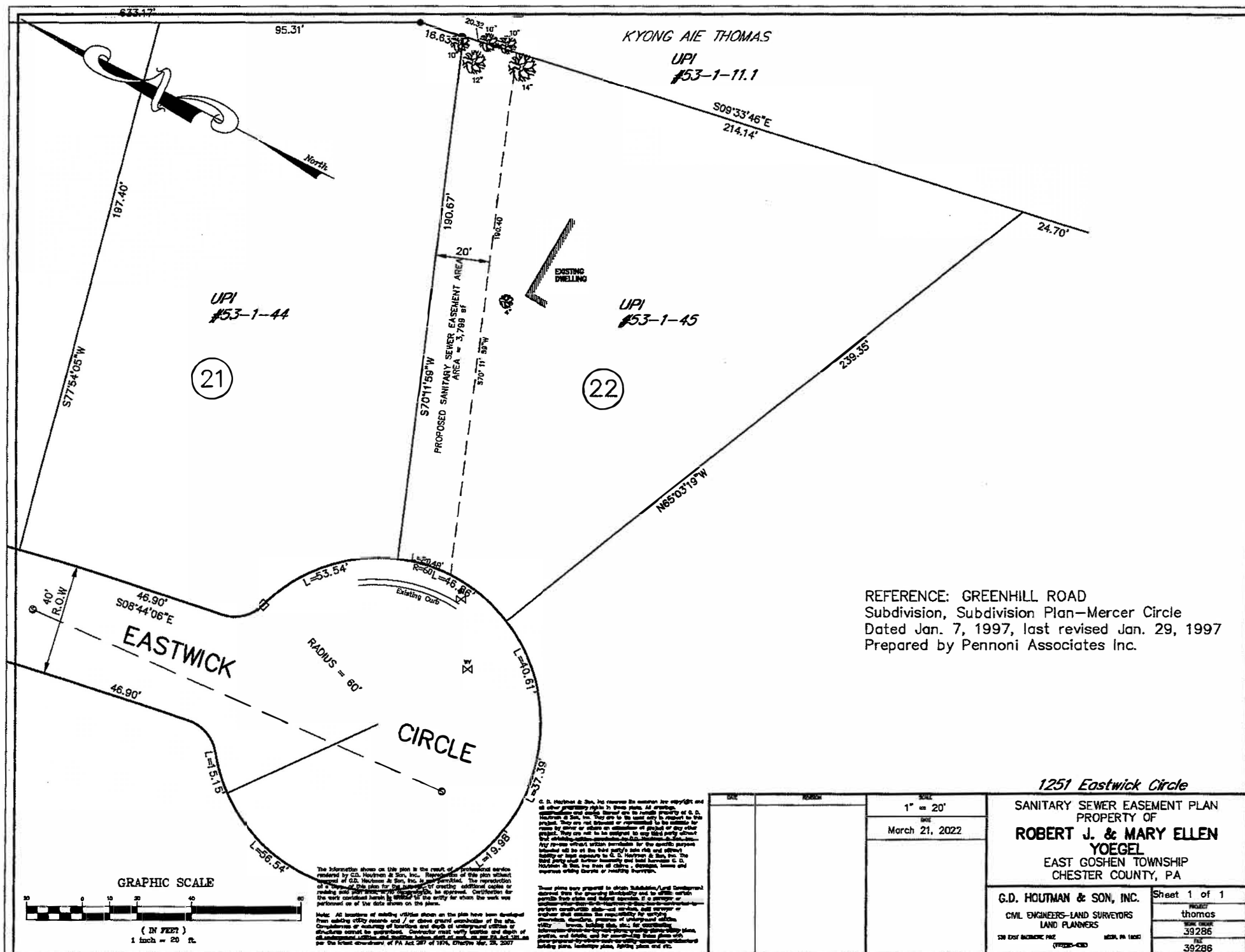
On this, the 5<sup>th</sup> day of May, 2022, before me, the undersigned officer, personally appeared **Thomas Kyong-Aie**, known to me or satisfactorily proven, to be the person whose name is subscribed to the foregoing instrument, and acknowledged that he executed the same for the purposes therein contained.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

Carol A. Gettz  
Notary Public

My Commission Expires:







March 23, 2022

Description of Proposed Sanitary Sewer Easement through Lands of Robert J. & Mary Ellen Yoegel (UPI #53-1-45)

All that Certain parcel of ground Situate in East Goshen Township, the County of Chester, and the Commonwealth of Pennsylvania, described according to a Sanitary Sewer Easement Plan, Property of Robert J. & Mary Ellen Yoegel Prepared by G. D. Houtman & Son, Inc. Civil Engineers and Land Surveyors dated March 21, 2022 as follows:

Beginning at a point of curve on the easterly right-of-way line of the cul-de-sac of Eastwick Circle (40' Wide R/W), a corner of Lots #21 (UPI #53-1-44) & 22 (UPI #53-1-45); thence leaving the easterly right-of-way line along the division line between Lots #21 & 22 and along the northerly side of the proposed 20' Wide Sanitary Sewer Easement North 70 degrees 11 minutes 59 seconds East 190.67 feet to a point in line of Lands of Kyong Aie Thomas (UPI #53-1-11.1); thence along said Lands of Thomas South 09 degrees 33 minutes 46 seconds East 20.32 feet to a point thence passing through Lot #22 (UPI #53-1-45) along the southerly side of the Proposed 20' Wide Sanitary Sewer Easement South 70 degrees 11 minutes 59 seconds West 190.40 feet to a point of curve on the easterly right-of-way line Eastwick Circle (40' Wide R/W); thence along a curve to the left with a radius of 60.00 feet an arc distance of 20.48 feet to a point, a corner of Lots #21 (UPI #53-1-44) & 22 (UPI #53-1-45), the first mentioned point and place of beginning

Containing within said Sanitary Sewer Easement 3,799 sf

## Sue Smith

---

**From:** Michael Ellis <MEllis@Pennoni.com>  
**Sent:** Friday, June 10, 2022 12:10 AM  
**To:** Sue Smith  
**Cc:** Mark Miller  
**Subject:** FW: UV Replacement Engineering Budget Recommendation

Sue,

Can you please include the below email on the MA agenda since there was not a quorum to consider it in May?

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](http://www.pennoni.com) | MEllis@Pennoni.com

---

**From:** Michael Ellis  
**Sent:** Wednesday, May 4, 2022 2:05 PM  
**To:** Mark Miller (mmiller@eastgoshen.org) <mmiller@eastgoshen.org>; David Ware <dware@eastgoshen.org>  
**Cc:** Derek Davis <ddavis@eastgoshen.org>; ssmith@eastgoshen.org  
**Subject:** UV Replacement Engineering Budget Recommendation

Hi Mark and Dave,

As discussed prior to and at the April MA meeting, the overall engineering effort for the UV Replacement project is recommended to be budgeted at \$30,000. A budget had not previously been set since it was originally authorized as a separate "General Engineering" task in 2021. Since it evolved into a larger project thereafter, we created a separate billing project for it to track against a separate Township budget line item.

The effort through March was approximately \$16,000 to scope the project, evaluate alternative vendors, prepare designs, and scope other mechanical, electrical, and controls work.

We anticipate an additional approximately \$14,000 will be needed to prep the mech and electrical bid docs, structural design for channel wall height extensions, conduct bidding, and perform construction admin and inspections.

We thereby recommend an engineering budget be formally established and approved by the MA for an amount not-to-exceed \$30,000, to be billed at our approved hourly rates.

Mike

**Michael Ellis, PE**  
Municipal Division Manager

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

We received the updated quote from Pyrzs for the caustic tank. The cost went up by \$980.00 to increase the 4" fill and 6" vent lines. The cost including the ultrasonic level sensor is now \$34,465.00. The Municipal Authority approved the tank for \$33,485.00 at their April meeting.

I suggest this be included on the MA agenda for you to approve the increased amount. We can obtain your signature on it, and provide it to Pyrzs along with the approval for the caustic feed pumps.

Mike Ellis

# 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 REVISION 1

DATE: May 11, 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) 6" PVC bulkhead fitting w/ EPDM gasket for VENT (TOP)  
(1) 4" 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 ...\$ 32,740.00

- 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





COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

## CHAPTER 105 WATER OBSTRUCTIONS AND ENCROACHMENT GENERAL PERMIT REGISTRATION

SECTION A. APPLICANT INFORMATION					
<input type="checkbox"/> FERC Natural Gas Activity		Docket Number _____		Type of Facility _____	
Has a Water Quality Certification (WQC) request been sent to DEP? <input type="checkbox"/> Yes <input type="checkbox"/> No					
<input type="checkbox"/> Activity Subject to FERC approval and/or Oil & Gas Exploration, Production, Storage or Transmission if the activity is regulated by FERC and provide the FERC docket number.					
Applicant's Name / Client East Goshen Municipal Authority		DEP Client ID# (if known) 62683		Employer ID# (EIN) 23-6005479	
Client Information - Please select Client Type / Code from drop down box under the correct entity shown below. (or may be written in) ↓					
Government		Non-Government		Individual	
AUTH Authority					
Mailing Address 1580 Paoli Pike		City West Chester		State PA	ZIP + 4 19380
Contact Person – Last Name Miller		First Mark	MI	Suffix	Telephone (610) 692-7171
Email Address mmiller@eastgoshe.org					
SECTION B. CONSULTANT INFORMATION (If applicable) <input type="checkbox"/> N/A					
Contact Person – Last Name Ellis		First Michael	MI J	Suffix	Consultants Title Authority Engineer
Mailing Address 121 Continental Drive, Suite 207		City Newark		State DE	ZIP + 4 19713
Telephone (302) 351-5236		Fax (302) 654-2895		Employer ID# (EIN) 23-1683429	
Email mellis@pennoni.com					
SECTION C. PROJECT INFORMATION					
Project / Site Name Hershey's Mill Estates Sanitary Sewer Replacement			DEP Site ID# (if known or leave blank)		
Client Relationship - Please select Site-to-Client Relationship / Code from drop down box to the right. (or may be written in) →			Double-click on shaded area below to select correct Site-to-Client Relationship / Code ↓		
			OWN Owner		
County Chester	Municipality East Goshen	<input type="checkbox"/> City <input type="checkbox"/> Borough <input checked="" type="checkbox"/> Township		Note: Municipal & County Notification is Required	
Site Location / Address Tanglewood Drive		City West Chester		State PA	ZIP + 4 19380
Collection Method: <input type="checkbox"/> EMAP <input type="checkbox"/> HGIS <input type="checkbox"/> GISDR* <input type="checkbox"/> ITPMP <input checked="" type="checkbox"/> GPS <input type="checkbox"/> WAAS <input type="checkbox"/> LORAN					
Check the horizontal reference datum (or projection datum) employed in the collection method.					
EMAP and HGIS (PNDI) have known datum and do not require checking here. <input type="checkbox"/> NAD27 <input checked="" type="checkbox"/> NAD83 <input type="checkbox"/> WGS84					
(GEO84) LAT.: 40.016267 LONG.: -75.555523					

**NOTE: A Submerged Lands License Agreement (SLLA) with an annual fee, if applicable, may also be required for your project. You will be notified if an SLLA is required.**

The [Aquatic Resources Impact Table \(SECTION E. PROPOSED IMPACTS\)](#) must be completed or equivalent submitted for this registration to be complete.

**SECTION D. REGISTRATION CHECKLIST AND REQUIREMENTS**

Please place an "X" next to each item (1-9) to ensure it is completed and/or provided.

Unless otherwise specified, all items are required to ensure a complete Registration package.

**\*\*Provide ONE (1) ORIGINAL and ONE (1) COPY of the Registration package\*\***

**Please provide a copy of the Registration form to the Municipality & County in which the work will be performed. Proof of receipt is not required to be provided to DEP.**

**1. REGISTERING A GENERAL PERMIT (GP) check all that apply**

Federal, State, county or municipal agencies or municipal authorities:

☒ EXEMPT from fees

<input type="checkbox"/> GP-1	Fish Habitat Enhancement Structures..... Per Project	\$ 50	= \$ _____
<input type="checkbox"/> GP-2	Small Docks and Boat Launching Ramps ..... Per Dock / Ramp _____ (#) x	\$ 175	= \$ _____
<input type="checkbox"/> GP-3	Bank Rehabilitation, Bank Protection and Gravel Bar Removal ..... Per Project _____ (#) x	\$ 250	= \$ _____
<input type="checkbox"/> GP-4	Intake and Outfall Structures..... Per Structure _____ (#) x	\$ 200	= \$ _____
<input type="checkbox"/> GP-5	Utility Line Stream Crossings ..... Per Individual Utility _____ (#) x _____ (#) x	\$ 250	= \$ _____
<input type="checkbox"/> GP-6	Agricultural Crossings and Ramps ..... Per Crossing / Ramp _____ (#) x	\$ 50	= \$ _____
<input type="checkbox"/> GP-7	Minor Road Crossings <sup>2</sup> ..... Per Crossing _____ (#) x	\$ 350	= \$ _____
<input checked="" type="checkbox"/> GP-8	Temporary Road Crossings <sup>2</sup> ..... Per Crossing _____ (#) x	\$ 175	= \$ <u>0</u>
<input type="checkbox"/> GP-9	Agricultural Activities ..... Per Project	\$ 50	= \$ _____
<input type="checkbox"/> GP-10	Abandoned Mine Reclamation ..... Per Project	\$ 500	= \$ _____
<input checked="" type="checkbox"/> GP-11	Maintenance, Testing, Repair, Rehabilitation, or Replacement of Water Obstructions and Encroachments <sup>1</sup> .....	\$ 750	+
<input checked="" type="checkbox"/>	Temporary Disturbance (\$400/0.1ac) ..... acres x \$4,000 =	\$ <u>0</u>	+
<input checked="" type="checkbox"/>	Permanent Disturbance (\$800/0.1ac) ..... acres x \$8,000 =	\$ <u>0</u>	= \$ <u>0</u>
<input type="checkbox"/> GP-15	Private Residential Construction in Wetlands <sup>1</sup> .....	\$ 750	+
<input type="checkbox"/>	Temporary Disturbance (\$400/0.1ac) ..... acres x \$4,000 =	\$ _____	+
<input type="checkbox"/>	Permanent Disturbance (\$800/0.1ac) ..... acres x \$8,000 =	\$ _____	= \$ _____
GP(s) FEE subtotal (b)			\$ <u>0</u>

**NOTE:** If the Pennsylvania Wetland Replacement Fund is proposed to be used as compensatory mitigation for waters of the Commonwealth the U.S. Army Corps of Engineers may also require additional mitigation if the proposed activity impacts waters of the United States.



COMMONWEALTH OF PENNSYLVANIA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATERWAYS ENGINEERING AND WETLANDS

NOTE: Form 3150-PM-BWEW0557 or equivalent must be printed/submitted for this General Permit Registration or Joint Permit Application.

Applicant's Name / Client East Goshen Municipal Authority

**AQUATIC RESOURCE IMPACT TABLE**  
**FOR PENNSYLVANIA CHAPTER 105 WATER OBSTRUCTION AND ENCROACHMENT APPLICATION / REGISTRATION**

Project / Site Name:			Hershey's Mill Estates Sanitary Sewer Replacement										Date: March 2022		
DEP USE ONLY			Project Information										PADEP / 105		
PADEP Permit Number	Single Complete Crossing No.	Crossing Number	Fee	Structure / Activity unique Identifier	Aquatic Resource Type	Latitude dd nad83	Longitude dd nad83	Waters Name	PA Code Chapter 93 Designation	Work Proposed	DEP Impact Type temp / perm	Watercourse Impact Top of Bank to Top of Bank	Floodway Impact Top of Bank Landward	Wetland Impact Dimension	
												Length and Width in feet	Length and Width in feet	Length and Width in feet	
			N/A	R083	Perennial , PFO1A, PEM	40.0184	-75.5528	UNT to Ridley Creek	HQ-TSF, MF	Placement of Riprap	Perm	11 - 4	N/A -	11 - 4	
			N/A	Storm Sewer	Perennial , PFO1A, PEM	40.0174	-75.5533	UNT to Ridley Creek	HQ-TSF, MF	Placement of Riprap	Perm	5 - 6	N/A -	5 - 6	
			N/A	R080	Perennial	40.0165	-75.5543	UNT to Ridley Creek	HQ-TSF, MF	Placement of Riprap	Perm	24 - 3	N/A -	N/A -	
			N/A	R084	PFO1A, PEM	40.0191	-75.5526	N/A	N/A	Excavation	Temp	N/A -	N/A -	245 - 15	
			N/A	R083	Perennial , PFO1A, PEM	40.0184	-75.5528	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	26 - 9	N/A -	48 - 21	
			N/A	R082C	Perennial , PFO1A, PEM	40.0178	-75.5529	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	9 - 5	N/A -	160 - 15	
			N/A	R082B	PFO1A, PEM	40.0178	-75.5531	N/A	N/A	Excavation	Temp	N/A -	N/A -	15 - 3	
			N/A	R082A	PFO1A, PEM	40.0175	-75.5533	N/A	N/A	Excavation	Temp	N/A -	N/A -	70 - 3	
			N/A	Storm Sewer	Perennial , PFO1A, PEM	40.0174	-75.5533	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	21 - 18	N/A -	25 - 18	
			N/A	R080	Perennial	40.0165	-75.5543	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	37 - 7	N/A -	N/A -	
			N/A	R076	Perennial , PFO1A, PEM	40.0157	-75.5567	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	21 - 10	N/A -	41 - 15	
			N/A	R076-R075	Perennial	40.0154	-75.5568	UNT to Ridley Creek	HQ-TSF, MF	Excavation	Temp	80 - 4	N/A -	N/A -	
			N/A	R076-R073	PFO1A, PEM	40.0150	-75.5567	N/A	N/A	Excavation	Temp	N/A -	N/A -	499 - 15	

### SECTION F. CERTIFICATION

I certify under penalty of law that the information provided in this permit registration is true and correct to the best of my knowledge and information and that I possess the authority to undertake the proposed action. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. (If any of the information and/or plans is found to be in error, falsified, and/or incomplete, this authorization/verification may be subject to modification, suspension, or revocation in accordance with applicable regulations.) I further certify that this project complies with all the conditions of the general permit.

  
Signature of Applicant / Owner

3-3-2022

Date

Mark Miller

Typed / Printed Name

Public Works Director

Typed / Printed Title

*This General Permit shall not be effective until the owner has had their E&S Plan reviewed by the appropriate Regional Office or District, and, where required, obtained an SLLA from DEP.*

**THIS ACKNOWLEDGED COPY OF THIS GENERAL PERMIT REGISTRATION PACKAGE AND THE E&S PLAN MUST BE AVAILABLE AT THE PROJECT SITE DURING CONSTRUCTION.**

### SECTION G. DECISION / DISPOSITION – COMPLETED BY DEP

#### Decision Review:



DEP / District Reviewer Signature

GP 081501222-005 and 111501222-015

Abdel Nassani

Reviewer's Typed / Printed Name

GP

**NOTE: See Aquatic Resource Impact Table for any additional authorizations.**

#### Disposition Status

#### Comments



**ACKNOWLEDGED**

Date 5/25/2022

Ready and OK to be issued

SLLA Required

☒ Yes Attached ☐ No



**INCOMPLETE / DEFICIENCY**

Date



**EXTENSION REQUEST**

Date



**WITHDRAWN**

Date

**NOTE: If the GP registration information is incomplete a copy of this registration form and requested additional information will be sent to the applicant. A copy of the returned registration form and additional information must be re-submitted within 60 calendar days unless extended by the extension date listed above.**



**FEDERAL AUTHORIZATION**

☒ Non-reporting PASPGP verification / authorization attached.

☐ Reporting – A copy of this General Permit registration package has been sent to the U.S. Army Corps of Engineers. Separate federal authorization may be required

**NOTE: Please be advised that if the reporting box is checked you do not have Federal authorization for this project and such authorization may be required prior to starting your project. In accordance with Section 404 of the Clean Water Act, a Department of the Army authorization is required for the discharge of dredged and/or fill material into waters of the United States, including jurisdictional wetlands. Section 10 of the Rivers and Harbors Act also requires Department of the Army authorization for any work in, over, or under a navigable water of the United States. In accordance with procedures established with the U.S. Army Corps of Engineers, you will be contacted directly by the Corps regarding Federal Authorization.**

**PENNSYLVANIA STATE PROGRAMMATIC GENERAL PERMIT – 6**  
**(PASPGP-6)**  
**July 1, 2021**

**Please note: the full text of the PASPGP-6 may be viewed on the Baltimore District web site at <http://www.nab.usace.army.mil/Missions/Regulatory/PermitTypesandProcess.aspx> or by calling the Corps at 814-235-0570**

**Permittee: East Goshen Municipal Authority**  
**Date of PASPGP-6 Verification: 5/25/2022**  
**State Authorization(s): GP111501222-015 & GP081501222-005**

**Corps District:**

☐ **Baltimore District**  
U.S. Army Corps of Engineers State College Field Office  
1631 South Atherton Street  
Suite 101  
State College, Pennsylvania 16801-6260  
**Email:** [NAB-Regulatory@usace.army.mil](mailto:NAB-Regulatory@usace.army.mil)

☒ **Philadelphia District**  
U.S. Army Corps of Engineers  
Wanamaker Building  
100 Penn Square East Regulatory Branch  
Philadelphia, Pennsylvania 19107-3390  
**Email:** [PhiladelphiaDistrictRegulatory@usace.army.mil](mailto:PhiladelphiaDistrictRegulatory@usace.army.mil)

☐ **Pittsburgh District**  
U.S. Army Corps of Engineers, Regulatory Branch  
William S. Moorhead Federal Building, 20<sup>th</sup> floor  
1000 Liberty Avenue  
Pittsburgh, Pennsylvania 15222-4186  
**Email:** [Regulatory.Permits@usace.army.mil](mailto:Regulatory.Permits@usace.army.mil)

It has been determined that your proposed project, which includes the discharge of dredged and/or fill material and/or the placement of structures into waters of the United States, including wetlands, qualifies for federal authorization under the provisions of Section 404 of the Clean Water Act and /or Section 10 of the River and Harbor Act of 1899, under the terms and conditions of the PASPGP-6.

**All activities authorized under PASPGP-6 must comply with all conditions of the authorization, including General, Procedural, and Special Conditions. Failure to comply with all the conditions of the authorization, including project special conditions, will constitute a permit violation and may be subject to criminal, civil, or administrative penalties, and /or restoration.**



The authorized activity must be performed in compliance with the following General Conditions to be authorized under PASPGP-6:

**General Conditions:**

1. Permit Conditions: The permittee shall conduct all work and activities in waters of the United States, including jurisdictional wetlands, in strict compliance with the approved authorization/verification including all final maps, plans, profiles, and design specifications.
2. 401 State Water Quality Certification (SWQC) Conditions: The permittee shall comply with the following conditions unless a project specific SWQC is required as identified below:
  - a. Prior to beginning any activity authorized by the Corps under PASPGP-6, the applicant shall obtain from the Department all necessary environmental permits, authorizations or approvals, and submit to the Department environmental assessments and other information necessary to obtain the permits and approvals, as required under state law, including The Clean Streams Law (35 P.S. §§ 691.1—691.1001), the Dam Safety and Encroachments Act (32 P.S. §§ 693.1—693.27), the Surface Mining Conservation and Reclamation Act (52 P.S. §§ 1396.1—1396.19b), the Noncoal Surface Mining Conservation and Reclamation Act (52 P.S. §§ 3301—3326), the Bituminous Mine Subsidence and Land Conservation Act (52 P.S. §§ 1406.1—1406.21), the Coal Refuse Disposal Control Act (52 P.S. §§ 30.51—30.66), the Solid Waste Management Act (35 P.S. §§ 6018.101—6018.1003), the Hazardous Sites Cleanup Act (35 P.S. §§ 6020.101—6020.1305), the Land Recycling and Environmental Remediation Standards Act (35 P.S. §§ 6026.101—6026.908), 58 Pa.C.S. §§ 3201—3274 (related to development), the Air Pollution Control Act (35 P.S. §§ 4001—4015), the Storage Tank and Spill Prevention Act (35 P.S. §§ 6021.101—6021.2104) and the regulations promulgated thereunder, including 25 Pa. Code Chapters 16, 71, 77, 78, 78a, 86—91, 92a, 93, 95, 96, 102, 105, 106, 127, 245 and 260a—299.
  - b. Fill material may not contain any wastes as defined in the Solid Waste Management Act.
  - c. Applicants and projects eligible for the PASPGP-6 must obtain all state permits or approvals, or both, necessary to ensure that the project meets the state's applicable water quality standards, including a project-specific SWQC.

Note: As part of PADEP's issuance of 401 SWQC for PASPGP-6 on February 12, 2021, the following was included to clarify the meaning of this condition:

This 401 SWQC is only available for projects that do not require any federal authorization other than authorization from the Corps under Section 404 of the Act or Section 10 of the Rivers and Harbors Act of 1899. Applicants seeking authorization for activities not eligible for coverage under PASPGP-6, or for activities that require another federal authorization (such as an interstate natural gas pipeline, a gas storage field or a nuclear or hydroelectric project requiring authorization by another federal agency), must submit a request to the Department for a project-specific SWQC. The scope of the issuance of this SWQC is related only to the scope and applicability of the proposed PASPGP-6. Any activity or project requiring the Department to

issue 401 SWQC that is beyond the scope of the proposed PASPGP-6 or other programmatically issued SWQC (e.g. Nationwide Permits) will require the applicant to obtain a project-specific SWQC from the Department. This would include any activity or project requiring a SWQC associated with an authorization, permit or license issued by a federal agency, such as Federal Energy Regulatory Commission or Nuclear Regulatory Commission. Such activities or projects include, but are not limited to, an interstate natural gas pipeline, a gas storage field or a nuclear or hydroelectric project.

3. Terms and Conditions Related to Coastal Zone Management Act (CZMA) Certification: For those projects located within Pennsylvania's Coastal Zones, Non-Reporting Activities have General CZMA consistency determination and Reporting Activities must obtain individual CZMA consistency determination (see General Condition 30(b)).
4. Aquatic Life Movements: No activity may substantially disrupt the necessary life cycle movements of those species of aquatic life indigenous to the waterbody, including those species that normally migrate through the area, unless the activity's primary purpose is to impound water. All permanent and temporary crossings of waterbodies shall be suitably culverted, bridged, or otherwise designed and constructed to maintain low flows to sustain the movement of those aquatic species. If a bottomless crossing cannot be used, then culverts should be designed, constructed, and appropriately depressed, if possible, below the stream invert to minimize adverse effects to aquatic life movements.
5. Threatened and Endangered Species: By signing the Pennsylvania Natural Diversity Inventory (PNDI) receipt, the permittee has agreed to comply with all avoidance measures identified by the PNDI receipt. The applicant may also agree in writing to comply with all avoidance measures identified in U.S. Fish and Wildlife Service (USFWS) correspondence, including IPaC, as part of the application. To ensure compliance with the Endangered Species Act (ESA), those avoidance measures associated with federally listed, threatened, or endangered species are a condition of the PASPGP-6 verification, unless modified by the Corps.

If an activity is verified under the PASPGP-6, and a federally listed, threatened, or endangered species, or proposed species, is subsequently found to be present, all work must cease, and the Corps and USFWS (or National Marine Fisheries Service (NMFS)) must be notified by telephone immediately (contact information below). The PASPGP-6 verification is automatically suspended without additional notification to the permittee and will not be re-issued until consultation pursuant to Section 7 of the ESA is concluded and adverse effects to federally listed, threatened, endangered, and proposed species are avoided, or incidental take authorization issued.

Furthermore, persons have an independent responsibility under Section 9 of the ESA to avoid any activity that could result in the "take" of a federally listed species.

USFWS:

Pennsylvania Field Office  
110 Radnor Rd; Suite 101  
State College, PA 16801  
office phone: 814 234-4090  
fax: 814-234-0748 or 814 206-7452

NMFS:

Ms. Jennifer Anderson  
Assistant Regional Administrator  
Protected Resources Division NOAA Fisheries  
55 Greater Republic Drive  
Gloucester, Massachusetts 01930

6. Spawning Areas: The permittee shall comply with all time-of-year-restrictions (see below) associated with spawning areas as set forth by the Pennsylvania Fish and Boat Commission (PFBC) or other designated agency. Discharges or structures in spawning or nursery areas shall not occur during spawning seasons unless written approval is obtained from the PFBC or another designated agency. In addition, work in areas used for other time sensitive life span activities of fish and wildlife (such as hibernation or migration) may necessitate the use of seasonal restrictions for avoidance of adverse impacts to vulnerable species. Impacts to these areas shall be avoided or minimized to the maximum extent practicable during all other times of the year.

Wild Trout	October 1 - December 31
Class A Wild Trout	October 1 - April 1

List of Trout Streams found at:

<https://www.fishandboat.com/Fish/PennsylvaniaFishes/Trout/Pages/TroutWaterClassifications.aspx>.

7. Shellfish Production: No discharge of dredged and/or fill material and/or the placement of structures may occur in areas of concentrated shellfish production, unless the discharge is directly related to an authorized shellfish harvesting activity.
8. Adverse Effects From Impoundment: If the regulated activity creates an impoundment of water, the adverse effects on the aquatic system caused by the accelerated passage of water and/or the restriction of its flow, including impacts to wetlands, shall be minimized to the maximum extent practicable.
9. Management of High Flows: To the maximum extent practicable, the preconstruction course, condition, capacity, and location of open waters must be maintained for each activity, including stream channelization, storm water management activities, and temporary and permanent road crossings, except as provided below. The activity must be constructed to withstand expected high flows. The activity must not restrict or impede the passage of normal or high flows unless the primary purpose of the activity is to impound water or manage high flows. The activity may alter the pre-construction course, condition, capacity,

and location of open waters if it benefits the aquatic environment (e.g., stream restoration or relocation activities).

10. Erosion and Sediment Controls: Appropriate soil erosion and sediment controls, in accordance with state regulations, must be used and maintained in effective operating condition during construction, and all exposed soil and other fills, as well as any work below the ordinary high water mark or high tide line, must be permanently stabilized at the earliest practicable date. Permittees are encouraged to perform work within waters of the United States, including jurisdictional wetlands, during periods of low-flow or no-flow, or during low tides.
11. Suitable Material: No activities, including discharges of dredged and/or fill material or the placement of structures, may consist of unsuitable material (i.e., asphalt, trash, debris, car bodies, etc.). No material discharged shall contain toxic pollutants in amounts that would violate the effluent limitation standards of § 307 of the Clean Water Act (CWA).
12. Temporary Fill and Structures: Temporary fill (i.e., access roads and cofferdams) and structures in waters and/or wetlands authorized by PASPGP-6 shall be properly constructed and stabilized during use to prevent erosion and accretion. Temporary fill in wetlands shall be placed on geotextile fabric laid on existing wetland grade, unless such requirement is specifically waived by the Corps. Whenever possible, rubber or wooden mats should be used for equipment access through wetlands to the project area. Temporary fills and structures shall be removed, in their entirety, to an upland site, and suitably contained to prevent erosion and transport to a waterway or wetland. Temporarily impacted areas shall be restored to their preconstruction contours, elevations, and hydrology, and revegetated with a wetland seed mix that contains non-invasive, native species, to the maximum extent practicable. Unless approved by the Corps, the restoration work must be completed within 30 days of the date the temporary fill/structure is no longer needed.
13. Equipment Working in Wetlands: Heavy equipment working in wetlands or mudflats must be placed on mats, or other measures must be taken to minimize soil disturbance.
14. Installation and Maintenance: Any regulated structure or fill authorized by PASPGP-6 shall be properly installed and maintained to ensure public safety.
15. PASPGP-6 Authorization:
  - a. PASPGP-6 expires June 30, 2026, unless suspended or revoked.
  - b. Verifications of PASPGP-6 expire June 30, 2026, unless the PASPGP-6 permit is suspended, revoked, or the PADEP authorization expires, whichever date occurs sooner. Activities authorized under PASPGP-6 that have commenced construction or are under contract to commence construction will remain authorized provided the activity is completed within 12 month of the date of the PASPGP-6 expiration, modification, or revocation; or until the expiration date of the project specific verification, whichever is sooner.

16. One-Time Use: A PASPGP-6 verification is valid to construct the project, or perform the activity, one time only, except for PASPGP-6 verifications specifically issued for reoccurring maintenance activities.
17. Water Supply Intakes: No regulated activity may occur in the proximity of a public water supply intake and adversely impact the public water supply. In order to minimize the effects of intakes on anadromous fish eggs and larvae, and oyster larvae, intake structures should be equipped with screening (with mesh size no larger than 2 mm) of wedge wire or another material of equal or better performance. Where feasible, intakes should be located away from spawning or nursery grounds, or to minimize the impingement on, or entrainment of, eggs or larvae. In addition, intake velocities should not exceed 0.5 ft/sec.
18. Historic Properties: For all activities verified under a PASPGP-6, upon the unanticipated discovery of any previously unknown historic properties (historic or archeological), all work must cease immediately, and the permittee must notify the State Historic Preservation Officer (SHPO) and the Corps. The Corps will contact the tribes with whom they routinely consult, within 24 hours in accordance with each District's tribal consultation process. PASPGP-6 may be re-verified, and special conditions added if necessary, after an effect's determination on historic properties and/or tribal resources is made, in consultation with the SHPO, the tribes and other interested parties. The PASPGP-6 verification may be modified and/or rescinded for the specific activity if an adverse effect on the historic property cannot be avoided, minimized, or mitigated.
19. Tribal Rights: No activity or its operation may impair reserved tribal rights, including, but not limited to, reserved water rights and treaty fishing and hunting rights.
20. Corps Civil Works Projects: The PASPGP-6 does not authorize any work which will interfere with an existing or proposed Corps Civil Works project, or any Corps-owned or managed property or easement (i.e., flood control projects, dams, reservoirs, and navigation projects), unless specifically approved by the Corps in writing. Pursuant to 33 U.S.C 408, a review by, or permission from the Corps is required for activities that will alter or temporarily or permanently occupy or use a Corps federally authorized Civil Works project. Any activity that requires Section 408 permission and/or review is not authorized by PASPGP-6 until the appropriate Corps office issues the Section 408 permission or completes its review to alter, occupy, or use the Corps Civil Works project, and Corps issues a written PASPGP-6 verification.
21. Navigation: No activity verified under PASPGP-6 may cause more than minimal adverse effect on navigation. No attempt shall be made by the permittee to prevent the full and free use by the public of all navigable waters at or adjacent to the activity authorized herein. In addition, activities that require temporary causeways that prohibit continued navigational use of a waterway (i.e., temporary causeways extending greater than  $\frac{3}{4}$  the width across the waterway) shall be removed in their entirety upon completion of their use. Any safety lights and signals prescribed by the U.S. Coast Guard (USCG), through regulation or otherwise, must be installed and maintained at the permittee's expense on authorized facilities in navigable waters of the United States. The permittee understands and agrees that, if further operations by the United States require the removal, relocation, or other alteration, of the

structure or work herein authorized, or if, in the opinion of the Secretary of the Army or an authorized representative, said structure or work shall cause unreasonable obstruction to the free navigation of the navigable waters, the permittee will be required, upon due notice from the Corps, to remove, relocate, or alter the structural work or obstructions caused thereby, without expense to the United States. No claim shall be made against the United States on account of any such removal or alteration.

22. Inspections: The permittee shall allow a District Engineer or an authorized representative(s) to make periodic inspections at any time deemed necessary in order to ensure that the work is being performed in accordance with all the terms and conditions of PASPGP-6. The District Engineer may also require post-construction engineering drawings (as-built plans) for completed work.
23. Modifications of Prior Verifications: Any proposed modification of a previously verified Single and Complete project that results in a change in the verified impact to, or use of waters of the United States, including jurisdictional wetlands, must be approved by PADEP, or the Corps if applicable. Corps written approval is required if the prior verification was reviewed by the Corps, or if the proposed modification is a Reporting Activity under PASPGP-6. Project modifications that cause a Single and Complete Project to exceed 0.5 acre of loss of waters of the United States, including jurisdictional wetlands (except those identified in Part II A.2. a. and b.), or greater than 1,000 linear feet of permanent jurisdictional stream loss (except those identified in Part II A.2. a and b.), are not eligible for PASPGP-6 and will be forwarded to the Corps for review under an alternative permit review procedure.
24. Recorded Conservation Instruments: As per Part III.D.27 and Part III.E.8 of this permit, proposed Draft Conservation Instruments may be submitted by the applicant as part of the permit application package for review and approval. When such proposed Conservation Instruments are submitted by the applicant, proof of the recorded deed restriction, conservation easement, or deed restricted open space area shall be forwarded to the appropriate Corps District and appropriate PADEP offices, prior to the initiation of any permitted work, unless specifically waived by the Corps in writing. Conservation Instrument templates can be found at:  
<http://www.nab.usace.army.mil/Missions/Regulatory/PermitTypesandProcess.aspx>
25. Property Rights: PASPGP-6 does not obviate the need to obtain other federal, state, or local authorizations required by law, nor does the permit grant any property rights or exclusive privileges or authorize any injury to the property or rights of others.
26. Navigable Waters of the United States (Section 10 Waters):

In addition to the other general conditions, the following conditions are applicable for activities in the eligible navigable waters of the United States identified in Appendix B:

- a. For aerial transmission lines, the following minimum clearances are required for aerial electric power transmission lines crossing navigable waters of the United States. These clearances are related to the clearances over the navigable channel provided by the



existing fixed bridges, or the clearances which would be required by the USCG for new fixed bridges, in the vicinity of the proposed aerial transmission line. These clearances are based on the low point of the line under conditions producing the greatest sag, taking into consideration temperature, load, wind, length of span, and type of supports as outlined in the National Electric Safety Code:

Nominal System Voltage (kV)	Minimum Additional Clearance (ft.) Above Clearance Required for Bridges
115 and below	20
138	22
161	24
230	26
350	30
500	35
700	42
750-765	45

- i. Clearances for communication lines, stream gauging cables, ferry cables, and other aerial crossings must be a minimum of ten feet above clearances required for bridges, unless specifically authorized otherwise by the District Engineer.
  - ii. Corps regulation ER 1110-2-4401 prescribes minimum vertical clearances for power communication lines over Corps lake projects. In instances where both regulation and ER 1110-2-4401 apply, the greater minimum clearance is required.
- b. Encasement: The top of any cable, encasement, or pipeline shall be located a minimum of three feet below the existing bottom elevation of the streambed and shall be backfilled with suitable heavy material to the preconstruction bottom elevation. Where the cable, encasement, or pipeline is placed in rock, a minimum depth of one foot from the lowest point in the natural contour of the streambed shall be maintained. When crossing a maintained navigation channel, the requirements are a minimum of eight feet between the top of the cable, encasement, or pipeline and the authorized depth of the navigation channel. For maintained navigational channels, where the utility line is placed in rock, a minimum depth of two feet from the authorized depth of the navigation channel shall be maintained.
- c. As-Built Drawings: Within 60 days of completing an activity that involves an aerial transmission line, submerged cable, or submerged pipeline across a navigable water of the United States (i.e., Section 10 waters), the permittee shall furnish the Corps and National Oceanic and Atmospheric Administration, Nautical Data Branch, N/CS26, Station 7317, 1315 East-West Highway, Silver Spring, Maryland, 20910 with professional, certified as-built drawings, to scale, with control (i.e., latitude/longitude, state plane coordinates), depicting the alignment and minimum clearance of the aerial wires above the mean high water line at the time of survey or depicting the elevations and alignment of the buried cable or pipeline across the navigable waterway.

d. Aids to Navigation: The permittee must prepare and provide for USCG approval, a Private Aids to Navigation Application (CG-2554). The application can be found at: [https://media.defense.gov/2017/Nov/20/2001846135/-1/-1/0/CG\\_2554.pdf](https://media.defense.gov/2017/Nov/20/2001846135/-1/-1/0/CG_2554.pdf). The completed application must be sent to the appropriate USCG office as indicated below:

- i. Baltimore/Philadelphia Districts: Commander Fifth Coast Guard District, 431 Crawford Street, Room 100, Portsmouth, VA 23704-5504, Attn: Mr. Matthew Creelman; by email to [Matthew.K.Creelman2@uscg.mil](mailto:Matthew.K.Creelman2@uscg.mil); or by FAX to (757) 398-6303.
- ii. Pittsburgh District: Eighth Coast Guard District, Sector Ohio Valley, USCGC Osage, 300 McKown Ln, Sewickley, PA 15143; phone (412) 741-1180

Within 30 days of the date of receipt of the USCG approval, the permittee must provide a copy to the appropriate Corps district office.

27. PADEP Waiver: If the Corps determines a specific activity, which is eligible for a PADEP Non-reporting Waiver, has a significant adverse impact on life, property or important aquatic resources, the Corps may require the owner to modify the activity to eliminate the adverse condition or to obtain a Corps Individual Permit. In accordance with 33 CFR 325.7(a), "The District Engineer may reevaluate the circumstances and conditions of any permit, including regional permits, either on his own motion, at the request of the permittee, or a third party, or as the result of periodic progress inspections, and initiate action to modify, suspend, or revoke a permit as may be made necessary by considerations of the public interest. In the case of regional permits, this reevaluation may cover individual activities, categories of activities, or geographic areas."
28. Corps Water Releases: For projects located downstream of a Corps dam, the permittee should contact the appropriate Corps, Area Engineer Office, to obtain information on potential water releases and to provide contact information for notification of unscheduled water releases. It is recommended that no in-water work be performed during periods of high-water flow velocities. Any work performed at the project site is at the permittee's own risk.
29. State Authorization: The activity must receive state authorization. For the purpose of this requirement, any one of the following is considered as a state authorization:
  - a. A PADEP Chapter 105 Water Obstruction and Encroachment Permit, including PADEP approved Environmental Assessment pursuant to 25 Pa. Code § 105.15; or
  - b. A PADEP GP issued pursuant to 25 Pa. Code § 105.441-105.449; or
  - c. A PADEP approved Environmental Assessment for activities not otherwise requiring a PADEP permit pursuant to 25 Pa. Code § 105.12; or
  - d. A PADEP Dam Permit, including maintenance or repairs of existing authorized dams, including maintenance dredging; or

- e. A PADEP Emergency Permit issued pursuant to 25 Pa. Code § 105.64; or
  - f. A PADEP permit for the construction of a bridge or culvert which allows for maintenance activities of bridges and culverts; or
  - g. A PADEP Chapter 105 Dam Safety and Encroachment Enforcement Action.
30. Other Authorizations: Additional federal, state, and/or local authorizations or approvals may be required and where applicable must be secured by the applicant, prior to initiating any discharge of dredged and/or fill material, and/or the placement of structures into waters of the United States, including jurisdictional wetlands. These approvals include, but are not limited to:

- a. A project specific 401 SWQC issued by PADEP or considered waived, consistent with Section 401 of the CWA.

PADEP has issued 401 SWQC for activities authorized by PASPGP-6 with conditions. See General Condition 2 for conditions and for identification when a project specific 401 SWQC or a waiver thereof is required. If the permittee cannot comply with all of the conditions of the 401 SWQC previously issued for PASPGP-6, then the permittee must obtain a project specific 401 SWQC or waiver for the proposed discharge in order for the activity to be authorized by PASPGP-6. The Corps or certifying authority may require additional water quality management measures to ensure that the authorized activity does not result in more than minimal degradation of water quality; and

- b. Reporting Activities located within the designated CZM Areas. Require a CZMA consistency determination issued by PADEP or a presumption of concurrence pursuant to Section 307 of the Federal Coastal Zone Management Act.

The District Engineer or PADEP may require additional measures to ensure that the authorized activity is consistent with state CAM requirements; and

- c. Fills within the 100-year floodplains. This activity must comply with applicable Federal Emergency Management Agency approved state or local floodplain management requirements.

31. Federal Liability: In issuing this permit and any subsequent activity verification, the federal government does not assume any liability, including but not limited to the following:

- a. Damages to permitted project or users, thereof, as a result of other permitted or unpermitted activities or from natural causes;
- b. Damages to the permitted project or uses, thereof, as a result of current or future activities undertaken by or on behalf of the United States in the public interest;
- c. Damages to persons, property, or to other permitted or unpermitted activities or structures caused by the activity authorized by this permit;

- d. Design or construction deficiencies associated with the permitted work; and
- e. Damage claims associated with any future modification, suspension, or revocation of the PASPGP-6.

32. False and Incomplete Information: The Corps may modify or rescind a previously issued project specific verification, if it determines that the original verification was issued based on false, incomplete and/or inaccurate information; or other information becomes available whereby such action is necessary to ensure compliance with other federal laws and regulations.

33. Anadromous Fish Waters: To protect anadromous fish during their migration and spawning, no work can take place in the following anadromous fish waterways listed in the table below from March 15 to June 30 unless approved in writing by the Corps. Questions on the applicability of this condition should be directed to the Corps, Philadelphia District.

<u>Waterway</u>	<u>Downstream extent</u>	<u>Upstream extent</u>	<u>Upstream Latitude (N)</u>	<u>Upstream Longitude (E)</u>
<u>Delaware River in Pennsylvania (including W. Branch)</u>	<u>Rte. 220 Bridge</u>	<u>PA/NY Border</u>	<u>41.999448</u>	<u>-75.359573</u>
<u>Lehigh River and adjacent canals</u>	<u>confluence with Delaware River</u>	<u>500 feet upstream of the Cementon Dam</u>	<u>40.690275</u>	<u>-75.503800</u>
<u>Little Lehigh Creek</u>	<u>confluence with Lehigh River</u>	<u>500 feet upstream of the lowermost dam</u>	<u>40.596318</u>	<u>-75.475570</u>
<u>Hokendauqua Creek</u>	<u>confluence with Lehigh River</u>	<u>State Route 4014 (West Scenic Drive)</u>	<u>40.793273</u>	<u>-75.439262</u>
<u>Bushkill Creek</u>	<u>confluence with Delaware River</u>	<u>500 feet upstream of the lowermost dam</u>	<u>40.694859</u>	<u>-75.212406</u>
<u>Waterway</u>	<u>Downstream extent</u>	<u>Upstream extent</u>	<u>Upstream Latitude (N)</u>	<u>Upstream Longitude (E)</u>
<u>Brodhead Creek</u>	<u>confluence with Delaware River</u>	<u>500 feet upstream of the Stroudsburg Water Co. Dam</u>	<u>41.018667</u>	<u>-75.201063</u>
<u>Bush Kill</u>	<u>confluence with Delaware River</u>	<u>500 feet upstream of Resica Falls</u>	<u>41.111235</u>	<u>-75.095824</u>
<u>Lackawaxen River</u>	<u>confluence with Delaware River</u>	<u>500 feet upstream of the Woolen Mill Dam</u>	<u>40.984304</u>	<u>-75.191569</u>
<u>Dyberry Creek</u>	<u>confluence with Lackawaxen River</u>	<u>Jadwin Dam</u>	<u>41.612088</u>	<u>-75.263391</u>
<u>Darby Creek</u>	<u>Confluence with Delaware River</u>	<u>500 feet upstream of the confluence of Cobbs Creek and Darby Creek</u>	<u>39.907278</u>	<u>-75.255432</u>

Schuylkill River	Fairmount Dam	500 feet upstream of the Bingaman St. Bridge in Reading, Pennsylvania	40.326411	-75.934417
Neshaminy Creek	Confluence with Delaware River	500 feet upstream of the lowermost dam	40.143369	-74.915828

34. Compliance Certification: Each permittee who receives a written PASPGP-6 verification letter from the Corps must provide a signed certification documenting completion of the authorized activity and implementation of any required compensatory mitigation. This certification should indicate if the success of any required permittee-responsible mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits. The signature of the permittee is also required to certify the completion of the activity and mitigation. The completed certification document must be submitted to the District Engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later.
35. Migratory Birds and Bald and Golden Eagles: The permittee is responsible for ensuring that an action authorized by PASPGP-6 complies with the Migratory Bird Treaty Act and the Bald and Golden Eagle Protection Act. The permittee is responsible for contacting the appropriate local office of the USFWS to determine what measures, if any, are necessary or appropriate to reduce adverse effects to migratory birds or eagles, including whether "incidental take" permits are necessary and available under the Migratory Bird Treaty Act or Bald and Golden Eagle Protection Act for a particular activity. The permittee should contact the appropriate local office of the USFWS to determine if such authorizations are required for a particular activity. Information on the conservation of migratory birds and Bald and Golden Eagles can be found at the following USFWS web site:  
<http://www.fws.gov/northeast/pafo/>
36. Migratory Bird Breeding Areas: Activities in waters of the United States, including jurisdictional wetlands, that serve as breeding areas for migratory birds must be avoided to the maximum extent practicable. Recommendations pertaining to the conservation of migratory birds can be found at the following USFWS web site:  
<http://www.fws.gov/northeast/pafo/>

By Authority of the Secretary of the Army:

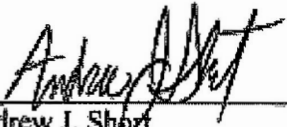
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Date: 2021.06.24 16:54:15 -04'00'

John T. Litz  
Colonel, U.S. Army  
Commander and District Engineer  
Baltimore District

**PARK.DAVID.CHON** Digitally signed by  
**GWO.1044560808** PARK.DAVID.CHONGWOO.1044560808  
Date: 2021.06.14 10:26:03 -04'00'

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David C. Park  
Lieutenant Colonel, Corps of Engineers  
District Commander  
Philadelphia District



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Andrew J. Short  
Colonel, Corps of Engineers  
District Engineer  
Pittsburgh District



## PASPGP-6 PERMIT COMPLIANCE, SELF-CERTIFICATION - EXAMPLE

PASPGP-6 General Condition 34 requires submittal of a signed certification documenting the completion of the authorized activity and implementation of any required compensatory mitigation. This certification should indicate if the success of any required permittee-responsible mitigation was completed in accordance with the permit conditions. If credits from a mitigation bank or in-lieu fee program are used to satisfy the compensatory mitigation requirements, the certification must include the documentation required by 33 CFR 332.3(l)(3) to confirm that the permittee secured the appropriate number and resource type of credits. The signature of the permittee is also required to certify the completion of the activity and mitigation. The completed certification document must be submitted to the district engineer within 30 days of completion of the authorized activity or the implementation of any required compensatory mitigation, whichever occurs later. Below are Corps District mailing and email addresses, and a list of the information to be included as part of the certification submittal.

Project Name: Hershey's Mill Estates Sanitary  
Sewer Replacement

Applicant Name: East Goshen Municipal Authority

PADEP Permit No: GP081501222-005 and  
GP111501222-015

Date of Issuance: May 25, 2022

Corps Permit Number:

Date of Issuance:

Waterway:

County: Chester

### Corps District:

☐ **Baltimore District**  
U.S. Army Corps of Engineers State College Field Office  
1631 South Atherton Street  
Suite 101  
State College, Pennsylvania 16801-6260  
Email: [NAB-Regulatory@usace.army.mil](mailto:NAB-Regulatory@usace.army.mil)

☒ **Philadelphia District**  
U.S. Army Corps of Engineers  
Wanamaker Building  
100 Penn Square East Regulatory Branch  
Philadelphia, Pennsylvania 19107-3390  
Email: [PhiladelphiaDistrictRegulatory@usace.army.mil](mailto:PhiladelphiaDistrictRegulatory@usace.army.mil)

☐ **Pittsburgh District**  
U.S. Army Corps of Engineers, Regulatory Branch  
William S. Moorhead Federal Building, 20<sup>th</sup> floor  
1000 Liberty Avenue  
Pittsburgh, Pennsylvania 15222-4186  
Email: [Regulatory.Permits@usace.army.mil](mailto:Regulatory.Permits@usace.army.mil)

### The following information is required by PASPGP-6 General Condition 34:

- ☐ Date authorized work commenced.
- ☐ Date authorized work completed.
- ☐ Was all work, including any required mitigation, completed in accordance with your PASPGP-6 authorization, explain any deviations?
- ☐ Was compensatory wetland/stream mitigation accomplished through an approved Mitigation Bank and/or In-Lieu fee program, if yes, attach proof of transaction, including resource type and number of credits purchased? Was permittee compensatory wetland and/or stream mitigation required, if yes, was the required compensatory mitigation completed in accordance with the permit and mitigation plan requirements?
- ☐ Sign and date certification.

July 1, 2021



May 9, 2022

Reference No. 11198802

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

**Re: Proposal for Phase 1 Bog Turtle Survey  
East Goshen Township Proposed Sewer Rehabilitation  
East Goshen Township, Chester County, Pennsylvania**

Dear Mr. Ellis:

GHD Services, Inc. (GHD) is pleased to submit this proposal to East Goshen Township. (Client) to conduct a bog turtle (*Glyptemys muhlenbergii*) habitat assessment (Phase 1 survey) for a proposed sanitary sewer rehabilitation project located along the East Branch of Ridley Creek in East Goshen Township, Chester County, Pennsylvania (Site). The Site is generally located south of Paoli Pike, between N. Chester Road and the Applebrook Golf Club. This proposal provides a scope of work, cost estimate, and schedule for completing a bog turtle habitat assessment (Phase 1 Survey) for the Site.

## **1. Scope of Work**

### **1.1 Bog Turtle Habitat Assessment & Report**

A bog turtle habitat assessment will be conducted in accordance with the USFWS Guidelines for Bog Turtle Surveys (revised 2020) for all wetlands and streams on and within 300 feet of the Site. The Phase 1 survey will be conducted by Mr. Scott Bush, a USFWS recognized bog turtle surveyor. The habitat in each wetland on and adjoining the Site will be assessed for its suitability to support bog turtles based on the soil, plant community composition and structure, and hydrology. Documentation of each wetland/waterway assessed will be provided on USFWS Bog Turtle Habitat Evaluation Field Forms completed in the field as well as photographs.

GHD will prepare a Bog Turtle Habitat Assessment Report documenting the methodology and results of our bog turtle habitat assessment. GHD will provide a determination as to whether habitat suitable to potentially support the bog turtle is present or absent on or adjoining the Site. Photographic documentation of the habitats present will be provided in the report. A draft copy of the Habitat Assessment Report will be provided to you for review and comment prior to formal submission to the USFWS for concurrence.



## **2. Business Conditions & Fee**

We propose that the scope of work be performed in accordance with GHD's Standard Terms for Professional Services (attached). The Scope of Work will be completed on a time and materials basis and our fee will not exceed the total estimated fee below.

<b>Total Estimated Cost</b>	<b>\$2,500</b>
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If additional tasks are required beyond the proposed Scope of Work, GHD will submit a supplemental scope of work and cost estimate for your review and approval.

## **3. Schedule**

GHD anticipates commencing with the fieldwork for the bog turtle habitat assessment within 5 days of receiving your authorization to proceed. If we identify potential habitat for the bog turtle on or adjoining the Site, we will verbally notify you immediately and work with you and USFWS to determine if additional studies are required. We will submit a draft copy of our report to you for review and comment prior to submitting the final report to USFWS.

Thank you for providing us with the opportunity to assist you on this project. If you would like us to proceed with the proposed Scope of Work, please sign and return a copy of GHD's Standard Terms for Professional Services to my attention. If you have any questions concerning this proposal, please feel free to contact me at (610) 646-7486 or [scott.bush@ghd.com](mailto:scott.bush@ghd.com).

Sincerely,

GHD

A handwritten signature in black ink, appearing to read 'Scott E. Bush'.

Scott E. Bush, PWS  
Senior Ecologist

SB/cm/1

Encl.

**East Goshen Township Sewer Rehab  
Scope, Fee, and Schedule per GHD proposal 5-8-2022  
GHD Terms below.**

Reference No.: 11198802

**Standard Terms for Professional Services**

GHD Limited ("GHD") and Client (as set out below) agree that any professional services performed by GHD for Client, relating to the scope of work, will be on the following standard terms:

1. Invoices for services rendered will be issued monthly payable on receipt. Amounts due will be increased at the rate of 1 1/2 percent per month after 30 days. GHD reserves the right, without penalty, to discontinue services in the event of non-payment of undisputed amounts.
2. GHD maintains statutory workers compensation insurance, and professional, pollution, general, auto, and employers liability insurance which GHD deems adequate. Certificates of insurance shall be provided on request.
3. GHD's services are solely for Client's benefit and may not be relied upon by any third party without GHD's express written consent. Any use, change, or distribution of Work Product without the written consent of GHD shall be at Client's risk and will not give rise to liability of GHD.
4. GHD shall perform its professional services in the manner consistent with the level of care and skill ordinarily exercised by other professional firms acting under similar circumstances and at similar times. GHD makes no other warranty, implied or expressed.
5. GHD shall indemnify and hold harmless Client for its services to the extent GHD's neglect or willful misconduct causes liability for the Client. Neither party shall be liable for any consequential loss, injury or damages suffered by the other party, including but not limited to loss of use, earnings, and business interruption.
6. To the maximum extent permitted by law, GHD's liability and that of its employees, agents, directors, officers, and subcontractors to Client due to any negligent acts, errors or omissions, shall not exceed \$1,000,000, except as to damages resulting from the gross negligence or willful misconduct of GHD.
7. Client acknowledges that the pre-existing presence, if any, of pollutants, and other potentially hazardous conditions at the project site were not caused by or are not the responsibility of GHD, and that this contractual arrangement does not transfer any legal responsibilities for such conditions to GHD.
8. GHD may terminate this Agreement for nonpayment or other default by Client. Terms agreed to under this Agreement shall survive any such termination.
9. Client hereby agrees that this agreement may be assigned to another entity within the GHD group of companies that will be directly or indirectly wholly-owned by GHD Group Pty Ltd. (a "Related Entity"). Any such Related Entity shall assume all of GHD's liabilities, duties and obligations in, to, and under this Agreement. Client hereby agrees that this assignment may be effected without any further notice or action on the part of GHD. Upon request, Client agrees to execute and deliver any further documents as may be reasonably requested by GHD or its successor to evidence such consent and/or assignment.

These Terms and Conditions are hereby accepted this 1st day of June, 2022.

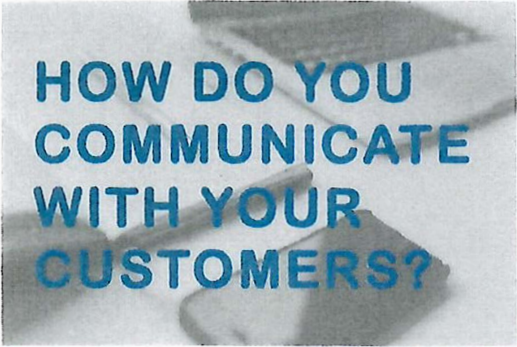
Client Signature:

Name :

Title:

I have authority to Authorize the requested services





## HOW DO YOU COMMUNICATE WITH YOUR CUSTOMERS?

**FYI**



### **PMAA is pleased to announce the creation of the Municipal Authority Communications Award!**

**M**unicipal authorities in Pennsylvania have been providing the citizens of our Commonwealth with a wide array of critical services for over 80 years. All too often authorities do their work efficiently and quietly, in the background, with their good work taken for granted, a consequence of the safe, reliable, and economical services provided. The better you do your job, the more likely you go unnoticed, and perhaps, unfortunately, underappreciated.

**I**n an effort to recognize and value the integral work done by authorities, PMAA is pleased to announce the creation of the Municipal Authority Communications Award.

**A**uthorities are a success story that needs to be told. They meet the continuing environmental and regulatory challenges of an evolving world. They work in concert with their municipalities to manage and support the growth and vitality of our communities. In a time when privatization and monetization threaten this model of service, the authority story needs to move to the forefront more than ever before.

**W**hat does your authority do to raise the awareness of your projects and services? How do you communicate needed information, your messaging, YOUR STORY, and the VALUE you bring to your customers?

**T**he Award will recognize member authorities that have established an effective communications strategy for their customers. Design, innovation, creativity, comprehensiveness and, of course, effectiveness are included in the award criteria.

**F**inalists will be announced, in August, with the awards presented on September 12<sup>th</sup> during the Awards Banquet at the Annual Conference in Erie. In addition to finalists and winners in each category, honorable mention recognition will be given for excellent submissions.

**T**hank you for your membership and support of PMAA!

Communication can be delivered in many ways. Your authority may employ some, many or maybe all of the following:

- Email blasts
- Text alerts
- Robo calls
- Information on billings
- Direct mailings
- Newsletters
- Press releases
- Billboards
- Newspaper ads
- TV ads
- Radio ads
- Website
- Social media
- Brochures
- Posters
- Banners
- Take away items

Your communication outreach could include information and education touchpoints such as:

- Tours
- Community events
- Presentations before schools and civic organizations
- Communications unique to your authority

# Municipal Authority Communications Award Application

Contact Name: \_\_\_\_\_ Title: \_\_\_\_\_

Authority: \_\_\_\_\_

Address: \_\_\_\_\_

City, State Zip: \_\_\_\_\_

Email: \_\_\_\_\_ Phone: \_\_\_\_\_

## Authority Size:

Please complete, where applicable, in order to determine authority size:

- Number of connections: \_\_\_\_\_
- Number of customers: \_\_\_\_\_
- Population served: \_\_\_\_\_
- Annual gross revenues: \_\_\_\_\_

## Submit the following with application:

1. An Executive Summary of your communication strategies, mediums utilized, etc. (approximately 500 words)
2. Attachments, links, or hard copy samples. Event and presentation outreach examples can be described in summaries with any accompanying pictures or images.

## Please check what items you are submitting for review and evaluation:

- |  |   |
|--|---|
| <input type="checkbox"/> Email blasts            | <input type="checkbox"/> Website  |
| <input type="checkbox"/> Text alerts             | <input type="checkbox"/> Social media   |
| <input type="checkbox"/> Robo calls              | <input type="checkbox"/> Brochures  |
| <input type="checkbox"/> Information on billings | <input type="checkbox"/> Posters  |
| <input type="checkbox"/> Direct mailings         | <input type="checkbox"/> Banners  |
| <input type="checkbox"/> Newsletters             | <input type="checkbox"/> Take away items                                      |
| <input type="checkbox"/> Press releases          | <input type="checkbox"/> Tours  |
| <input type="checkbox"/> Billboards              | <input type="checkbox"/> Community events                                     |
| <input type="checkbox"/> Newspaper ads           | <input type="checkbox"/> Presentations before schools and civic organizations |
| <input type="checkbox"/> TV ads                  | <input type="checkbox"/> Communications unique to your authority              |
| <input type="checkbox"/> Radio ads               |   |

- Finalists will be notified in early August. Authority communications will be highlighted, and winners announced during the Annual Awards Banquet September 12<sup>th</sup> at the Annual Conference in Erie. All finalists will receive award recognition as well.
- Award winners will not be eligible for consideration of the Award for 5 years and other finalists for 3 years. Honorable mention recognitions are encouraged, with all other member authorities, to submit communication award applications

**Submit applications to the PMAA office no later than July 1<sup>st</sup>, 2022.**

- Via email to [info@municipalauthorities.org](mailto:info@municipalauthorities.org)
- Via mail to PMAA, 1000 North Front Street, Suite 401, Wormleysburg, PA 17043





# The Authorities

PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOCIATION

**FYI**

## *Notification of Voter Delegate*

**TO:** PMAA Member Authorities

**FROM:** Douglas E. Bilheimer  
Executive Director

**DATE:** June 1, 2022

The PMAA Board of Directors' voted April 18, 1994, to implement, by its resolution, certain administrative recommendations set forth by the PMAA By-Law Revision Committee. These do not require prior amendment of the By-Laws because the existing By-Laws (Article IX, Sections 1 and 2) do provide the basic authorization for voting at meetings: one vote per active member to be cast by a delegate chosen by its own board of directors. The procedures approved by the Board are as follows:

1. Fifteen days before the meeting, each member authority will notify the Executive Director of the name of its official voting at the meeting and also the name of an alternate delegate, both of whom have been approved by the members' Board of Directors. The delegates shall either be an elected or an appointed official of the applicable authority.
2. As part of the registration procedure at the Annual Meeting, the named delegate shall be handed a "card", which he or she may hold up to cast the vote of that authority. It shall be the responsibility of each delegate, in the event he or she is not on the floor, to hand the card to the appropriate alternate delegate.
3. The presiding officer at the Annual Meeting shall have the discretion in each vote to designate voting by voice, by a show of delegate cards, or by written ballot, unless upon motion duly made and adopted the Body itself votes to require written ballots.
4. In pursuance of the powers of the presiding officer, the President may designate a time limit for floor remarks by each person speaking, which shall be stated by the presiding officer at the opening of the meeting.

Please note, this form **does not** need returned to our office if no one from your authority is attending the conference.

DEB/kaw  
Attachment

# Notification of Voting Delegate & Alternate

Our Authority's Board of Directors hereby name the following individuals to serve as Voting Delegate and Alternate Delegate:

## Voting Delegate

Name: \_\_\_\_\_

Title: \_\_\_\_\_

## Alternate Delegate

Name: \_\_\_\_\_

Title: \_\_\_\_\_

## Authority submitting this information:

Authority: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Designated Voting Delegate or Alternate Delegate will receive an identification card at the Registration Booth at the PMAA Annual Conference.

**Please note this form must be returned to the  
PMAA office by Friday, August 26, 2022.**