

EAST GOSHEN MUNICIPAL AUTHORITY

August 9, 2021

7:00 PM

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

- a. Ask if anyone will be taping the meeting

2. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS

3. SEWER REPORTS

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

4. APPROVAL OF MINUTES

- a. July 12, 2021

5. APPROVAL OF INVOICES

Pennoni Invoice #1080846	\$	1,672.50
Pennoni Invoice #1080847	\$	4,121.24
Pennoni Invoice #1080848	\$	776.50
Ward Landscape Services Act. No. 306 (Hibberd Lane Meter)	\$	3,100.00
Operator Licence Renewal	\$	100.00

6. LIAISON REPORTS

7. FINANCIAL REPORTS – (David Ware) Finance Director

- a. July Financial Report

8. OLD BUSINESS

- a.

9. 2021 Goals:

Goal	Status
Ridley Creek Plant Compliance	January, February, March, April and May and June and July were all in compliance and met all requirements
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station July 7 th meeting	On Going
Continue to Implement Infiltration and Inflow for the Sewer System	Cleaned 17,700 LF, televised 17,000
Caustic Soda Project Mike Ellis is currently working on the Project	75% complete – Mike Ellis will be meeting with Mark and Chas
Replace sewer line Hershey Mill Estates trunk line replacement	Engineer will bring you up to date under old business. Mark has met with residents to keep them up to date
Hunt Country Pump Station Mag Meter Replacement	2021 – \$15,000.00 – on Hold - possibly apply for grant funding
Hunt Country Pump Station Muffin Monster Replacement	2021 – \$67,000.00 – on Hold – possibly apply for grant funding
Hunt Country Pump Station Bypass Pump	2021 - \$5,000 on hold – possibly apply for grant
Three new meters for Ridley Creek Collection	Hibberd Lane is on line.

10. NEW BUSINESS

- a. Stimulus Meeting (Derek Comment)
- b. House Bill - Discuss
- c. Chester County Quarterly Sanitary Sewer Rates

11. CAPACITY REQUESTS

- a. 932 N. Chester Road

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

August 2, 2021

To: Municipal Authority
From: Mark Miller
Re: July 2021 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 724,483 per day.

Meters: The meters were read on a daily basis. The Hibberd Lane meter was finally hooked up to receive the flows via satellite.

C.C. Collection: Pipe Data View was utilized to clean and televise Milltown, all laterals and depths were marked on the asphalt as Aqua its main replacement on August 3rd. We cleaned the trunk line at Hershey Mill from manhole RC 077 up to the tennis courts. Unfortunately, we were not able to televise the pipe as the sags prohibited us from seeing the laterals.

We had a problem with the fog rod at the Ashbridge Pump Station, the rod was pulled and cleaned and was put back in service.

We were notified of a lateral blockage at 22 Margaret lane, it turned out to be the water valve box leaking. The water company was notified.

R.C. Collection: The pump station was visited on a daily basis and the meters were read with no problems to report. We are currently in the process of replacing the castings and lids in the Clock Tower Development since we will be overlaying the roads. We cleaned and televised all the mains last week which is all part of the paving overlay that is scheduled to begin August 9th.

Ridley Creek Plant:

The pumps that were sent to Deckmen's to be checked were returned. The oil was changed and no problems were found with either pump. The water pump on the generator failed and needed to be replaced.

Alarms:

We responded to 19 alarms for July.

PA One Calls:

We responded to over 124 PA One Calls for the month July.

Monthly Rainfall:

3.17 inches of rain for the month of July.

Lateral repairs or Caps:

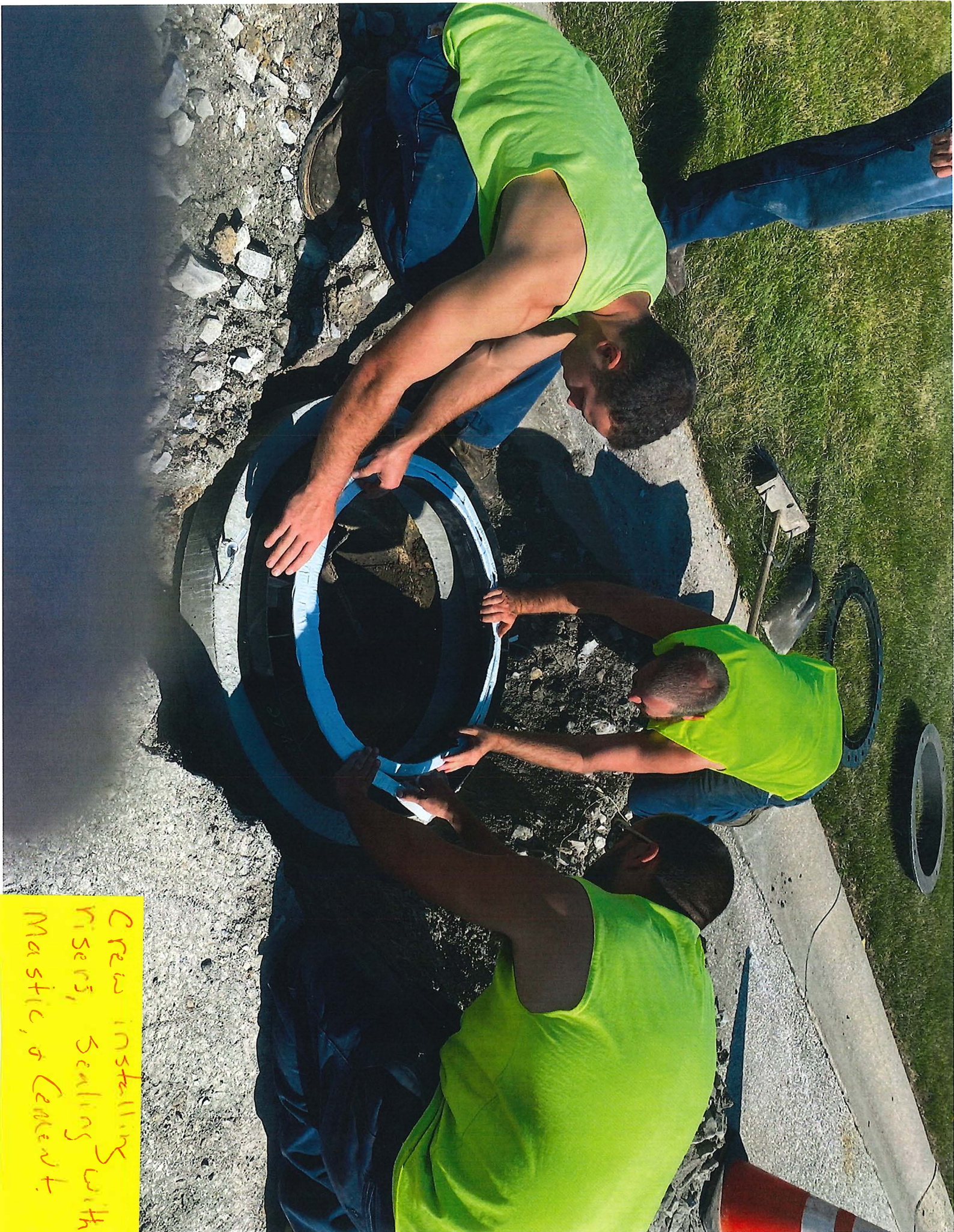
We repaired 6 laterals and inspected them.



Old castings replaced
in preparation for
paving



casting is broke in
3 areas. CO_2 replaced
36 castings



Crew installing
risers, Sealing with
Mastic, & Cement.

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
August 9, 2021**

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – No activity since our last report. An updated progress plan was previously submitted to the Township for review. A field review meeting with Public Works, the operator, and controls contractor is being scheduled.
- SBR #1 Repairs – Coating and concrete repairs were previously completed. We are finalizing our inspection report for submission to track the condition vs. prior tank inspections.
- We continued the NPDES Permit Renewal application.

Ridley Creek Collection System Permanent Meters

- We obtained updated price quotes for the RCSTP influent permanent meter and manhole as requested by the insurance company for the insurance claim.

Westtown Way Pump Station

- No activity since our last report.

Sanitary Sewer Pipe Rehab

- Supplee Valley – No activity since our last report.
- Hershey's Mill Estates –
 - The wetland delineation and bog turtle habitat investigation reports were submitted to US Fish & Wildlife Service (USFWS) on May 19, 2021. We anticipate the USFWS review will take 60-90 days and that we will have comments in August.
 - Upon receipt of USFWS concurrence, we will submit the Waterways permit application. The extent of wetlands impacts will dictate if the permitting will be a PADEP General Permit or a USACE Individual Permit, which is still being determined. This permitting typically takes 90-120 days for review.
 - We performed a field survey investigation to locate existing property corners along the sewer alignment and to set stakes to clearly demarcate the residential properties for use in design and construction and for property owner coordination. There were approximately 40 corners of which only three pins were located. Stakes were set at all corners with a tolerance of ± 2 feet of the exact location. Exact locating would have required significantly more effort to research and plot deeds, which is not considered necessary for this purpose.
 - Mark Miller located original plans from the neighborhood. We are reviewing the plans to determine if they provide adequate information on the two storm sewer pipes that discharge to the creek near the tennis courts to avoid additional survey to located the upstream junctions.
 - It is our understanding that Public Works commissioned re-televising of the sewers and that severe grease and water build-up problems were encountered at the downstream end again. The videos are therefore unlikely to identify the exact locations of laterals and cleanouts that

have not been found. If not found, we will note approximate lateral locations on the plans for the contractor's reference with a note that they may not be exactly where depicted.

- Since grease and sedimentation in the piping has already occurred again (since the prior cleaning and TV work last year), we are now planning to have all piping replaced as part of the Base Bid Scope. The pipes that were proposed to remain (or be replaced as Add Items) have higher slopes than the problematic pipes so we propose to "borrow" from those higher slope pipes to slightly increase the slopes on all the other pipes.
- Lastly, our geotechnical engineers have performed a field visit and in-office evaluation of alternatives to support the piping from settlement and uplift (buoyancy). A solution to address both conditions for the long-term is to install helical piles under every pipe segment, which would require over 100 piles and is expected to add at least \$200,000 to the construction cost. Helical piles are a possibility since they do not require a pile driving machine and can likely be installed with the same excavator doing the sewer work. We are coordinating with a contractor to establish the feasibility and ballpark cost.

At the time of this report, our initial calculations and assumptions indicate the buoyancy will not be an issue so we may only need to design for settlement into soft soils. Settlement can be addressed conservatively via helical piles or alternatively with excavation to firm material and installation of stone (as has been tentatively planned to this point of design). Without a geotechnical investigation to determine the depths of firm subgrade, we will be guesstimating at quantities of overexcavation and stone subgrade stabilization in the bid documents.

In order to better define the subgrade parameters, a focused geotechnical investigation could be performed. A rough scope consists of performing three Standard Penetration Test borings using a track mounted drill rig, each to an approximate depth of 25 ft below the existing ground surface (see attached sketch for approximate locations). The test borings would be located in areas of soft, wet surface conditions. We would also perform a day of dynamic cone penetration testing using hand held equipment to supplement the test borings and attempt to delineate soft soil areas from dryer, more firm areas. We will provide limited geotechnical lab testing and develop a brief report. **We estimate a fee of \$13,000 for these services.**

That fee does not include provisions for site clearing or stabilization to access the boring locations, which will require limited tree/brush clearing and matting. That effort would be for an additional fee unless it can be performed by Public Works. There may be an opportunity to keep the matting in-place for future use by the construction contractor.

- Schedule – The aforementioned permitting is expected to take another 4-5 months. A 5-month duration would result in bidding in or around December, award in early 2021, and construction thereafter with timeframes to potentially be dictated by environmental agencies.

I&I Program

- No activity since our last report.

New Connections

- No activity since our last report.

Industrial Pretreatment Ordinance

- No activity since our last report. As discussed at the May MA meeting, a headworks study with sampling at the RCSTP need to be conducted to set contaminant limits. There will not be a notable cost savings to perform the sampling as part of the ongoing NPDES Permit Renewal sampling since the sampling will be significantly different. Consideration should be given to budgeting for the headworks study and sampling in 2022.

END OF REPORT



Executive Summary¹

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of June 2021. All supplemental reports were submitted with the DMR. Discharge to the Applebrook irrigation lagoon remained in service. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. Aluminium sulfate solution continued to be reduced while remaining 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 for the June 2021 DMR.

Table 1

June 2021- Final Effluent - Outfall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform	
	MGD		lbs/		lbs/		lbs/		lbs/		Geo
	Average	mg/L	month	mg/L	month	mg/L	month	mg/L	month	Geo Mean	Mean
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		15							
Sample Date											
June 1, 2021	0.250	2.5	5.2	5	10.4	0.233	0.49	0.14	0.29	1	0.0000
June 8, 2021	0.363	2.3	7.0	5	15.1	0.286	0.87	0.12	0.36	3	0.4771
June 15, 2021	0.316	3.0	7.9	4	10.5	0.100	0.26	0.12	0.32	10	1.0000
June 22, 2021	0.318	3.7	9.8	6	15.9	0.115	0.30	0.12	0.32		
June 25, 2021	0.244									1	0.0000
June 29, 2021	0.252	4.9	10.3	4	8.4	0.100	0.21	0.12	0.25	1	0.0000
Average	0.291	3.3	8.04	5	12.1	0.167	0.43	0.12	0.31	3	0.2954
Minimum	0.244	2.3	5.21	4	8.4	0.100	0.21	0.12	0.25	1	0.0000
Maximum	0.363	4.9	10.30	6	15.9	0.286	0.87	0.14	0.36	10	1.0000

Compliance with the NPDES discharge permit was achieved during June. The monthly average total phosphorus was reported as 0.12 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 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

June 2021 Final Effluent Weekly TSS Averages	
Week 1	5 mg/L
Week 2	5 mg/L
Week 3	4 mg/L
Week 4	6 mg/L

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

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 3 presents the available pollutant data for the Applebrook discharge reported as outfall 002 on the June 2021 DMR.

Table 3

June 2021 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD₅		TSS		NH₄-N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	25		30		2.5	44	0.5	3	200	1,000
		40		45							
June 1, 2021	0.0509	2.5	1.06	5	2.12	0.233	0.10	0.14	0.06	1	0.0000
June 8, 2021	0.0479	2.3	0.92	5	2.00	0.286	0.11	0.12	0.05	3	0.4771
June 15, 2021	0.0430	3.0	1.08	4	1.43	0.100	0.04	0.12	0.04	10	1.0000
June 22, 2021	0.0461	3.7	1.42	6	2.31	0.115	0.04	0.12	0.05		
June 25, 2021	0.0498									1	0.0000
June 29, 2021	0.0511	4.9	2.09	4		0.100	0.10	0.12	0.05	1	0.0000
Average	0.048	3.3	1.31	5	1.97	0.167	0.08	0.12	0.05	3	0.2954
Minimum	0.043	2.3	0.92	4	1.43	0.100	0.04	0.12	0.04	1	0.0000
Maximum	0.051	4.9	2.09	6	2.31	0.286	0.11	0.14	0.06	10	1.0000

Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during June 2021.

Table 4

June 2021 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
June 1, 2021	0.957	367	2,930	413	3,298	49.9	398	81.5	651	12.3	98.2
June 8, 2021	0.913	212	1,614	337	2,565	42.2	321	52.2	397	9.5	72.3
June 15, 2021	0.486	241	977	273	1,107	36.9	150	43.0	174	5.3	21.5
June 22, 2021	0.507	193	816	310	1,311	35.4	150	42.9	181	5.9	24.9
June 29, 2021	0.482	191	767	357	1,434	38.8	156	41.2	165	7.9	31.7
Average	0.6690	241	1,421	338	1,943	41	235	52.2	314	8.2	49.7
Minimum	0.4816	191	767	273	1,107	35	150	41.2	165	5.3	21.5
Maximum	0.9574	367	2,930	413	3,298	50	398	81.5	651	12.3	98.2

The foam on the SBR surface reduced to approximately 5% to 20% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. These conditions may contribute to a decrease in clarity within the final effluent post flow equalization basins; however, the clarity is improved after passing through the disc filters. The operation strategy is to lower the MLSS to maintain a F:M ratio of 0.06 while ensuring the ammonia effluent discharge concentration remains within the seasonal limit of 2.5 mg/L.

Table 5 illustrates the available data for the final effluent composite sample data reported for outfall 001 for use with the July 2021 DMR.

Table 5

July 2021- Final Effluent - Outfall 001												
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform		
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean	
		0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40			15							
Sample Date												
July 6, 2021	0.240	2.0	4.0	4	8.0	0.386	0.77	0.10	0.20	1	0.0000	
July 13, 2021	0.211	3.2	5.6	3	5.3	0.118	0.21	0.10	0.18	1	0.0000	
July 20, 2021	0.247	3.0	6.2	5	10.3	0.100	0.21			1	0.0000	
July 27, 2021	0.220											
Average	0.230	2.7	5.3	4	7.9	0.201	0.40	0.10	0.19	1	0.0000	
Minimum	0.211	2.0	4.0	3	5.3	0.100	0.21	0.10	0.18	1	0.0000	
Maximum	0.247	3.2	6.2	5	10	0.386	0.77	0.10	0.20	1	0.0000	

Table 6 presents the available pollutant data for the Applebrook discharge reported as outfall 002 on the July 2021 DMR.

Table 6

July 2021 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total		Fecal Coliform	
	MGD	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	Average	25		30		2.5	44	0.5	3	200	1,000
		40		45							
July 6, 2021	0.0490	2.0	0.82	4	1.63	0.386	0.16	0.10	0.04	1	0.0000
July 13, 2021	0.0490	3.2	1.31	3	1.23	0.118	0.05	0.10	0.04	1	0.0000
July 20, 2021	0.0530	3.0	1.33	5	2.21	0.100	0.04			1	0.0000
July 27, 2021	0.0507										
Average	0.050	2.7	1.15	4	1.69	0.201	0.08	0.10	0.04	1	0.0000
Minimum	0.049	2.0	0.82	3	1.23	0.100	0.04	0.10	0.04	1	0.0000
Maximum	0.053	3.2	1.33	5	2.21	0.386	0.16	0.10	0.04	1	0.0000

Table 7 represents the influent wastewater collected at the doghouse manhole during July 2021. The influent wastewater pollutant loadings remain within the design criteria for the treatment process and equipment.

Table 7

July 2021 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
July 6, 2021	0.422	285	1,002	327	1,150	32.2	113	59.7	210	6.3	22.1
July 13, 2021	0.411	208	713	315	1,079	32.6	112	42.7	146	6.8	23.3
July 20, 2021	0.404	257	866	297	1,001	42.4	143	40.5	136	0.95	3.2
July 27, 2021	0.360										
Average	0.3992	250	860	313	1,076	36	123	47.6	164	4.7	16.2
Minimum	0.3603	208	713	297	1,001	32	112	40.5	136	0.95	3.2
Maximum	0.4215	285	1,002	327	1,150	42	143	59.7	210	6.8	23.3

PA DEP

No activity

Significant Rainfall

During July, there ten (10) days when rainfall occurred. There were three (3) events of rainfall exceeding 0.50 inches.

These events occurred on:

July 2 nd	1.19 inches
July 4 th	0.53 inches
July 18 th	0.58 inches

A total of 2.85 inches of rainfall measured during the month.

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001. Adjustments included reducing aeration minutes per cycle, extending decant minutes per cycle and reducing settling times.

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

Chemical Usage:

July 2021		
Chemical	Daily Average	Total Monthly
Soda Ash, pounds	300	9.600
Aluminium Sulfate solution, gal	65.2	2.021

Flow data:

July 2021			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	12.591	406,171	475,920
Influent Wastewater to SBRs*	12.601	406,466	469,760
Internal Recycle**	0.258	17,171	114,656

Treated Effluent to Disc Filters	12.728	410,466	477,056
Final Effluent Discharge	7.553	244,000	313,000
Applebrook Golf Course	1,521	49,050	59,568

During July, the average monthly influent wastewater flow measured at the “field” flow meter was 406,171 gallons//day as compared to the influent flow into the SBRs as 406,466 gallon/day. The difference between the daily averages is 295 gpd. The “field” flow meter is believed to have over reported flows as the flow measured into the SBRs is anticipated to be 5 to 10% greater than the “field” flow meter due to internal recycle flows from the disc filter and centrifuge. The “field flow meter” is planned to be located in the doghouse manhole within the facility perimeter.

Maintenance and Repair Activities

July 7th

The call box called out a “generator 2 failure” alarm. The plant was remotely checked for alarms and everything was running normal, however, with the approaching storms a visit to the facility was required. Upon arrival, the generator control panel was showing a “low coolant” warning. I called Steve Walker (the township mechanic), who then called Kevin Miller. Kevin came out with other township guys and added coolant. The warning on the generator control panel was then able to be cleared. We identified a potential leak in one of the coolant lines at a drain petcock, and Kevin is going to get in contact with whoever services our generators to come out and take a closer look.

July 8th

Assisted with troubleshooting the centrifuge electrical problems. We determined that the UPS is faulty. We jumped around the UPS for now to get the machine up and running. We will get the information for a new UPS to mark.

July 16th

A new centrifuge UPS was delivered to the facility. Install was completed during the week.

July 22nd

The pumps for SBR 1 were delivered from Deckman’s. Installation was completed during the weekend.

July 24th

Reinstalled the flange adapter for SBR 1 effluent valve and started bolts. Had to cut to length and install all-thread for the wedge seal collar on the flange adapter because we had to cut all the old T-bolts out when we removed it.

July 26th

Installed a chain on SBR 1 WAS pump as a backup to the hoist cable because it was the only pump that didn’t have one yet-wired in both pumps for SBR 1, checked their rotations, and then lowered them into the tank

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
July 12, 2021

The East Goshen Township Municipal Authority held their regular meeting on Monday, July 12, 2021 at 7:00 pm. Due to restrictions caused by the COVID-19 virus, the meeting was held via electronic conferencing Zoom. Members in attendance were: Chairman Dana Pizarro, Phil Mayer, Jack Yahraes, Kevin Cummings and Walter Wujcik. Also in attendance were: Derek Davis (Township Manager), Dave Ware (Chief Financial Officer), Mike Ellis (Pennoni), Robert Jefferson (Gawthrop), Michael Lynch (Township Supervisor), Scott Towler (Big Fish) and Susan Smith (PW Administrative Assistant).

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 & Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&I – Inflow & 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

Dana called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. He asked for a moment of silence for our military around the world, EMTs, First Responders and Police.

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

Chairman’s Report

None

Sewer Reports

1. Director of Public Works, Mark Miller’s report for June 2021

Monthly Flows: The average daily flow to West Goshen was 743,989 per day.

We were busy the month of June with several different projects. The work was completed on SBR1. We are currently waiting on the pumps to return from Deckmens. The piping was sandblasted and then recoated with a highly abrasive type of material. We also worked in various developments televising the sewers.

Meters: The meters were read on a daily basis. A tree took out the overhead wire at Ellis Lane. We will string a new wire next Monday. All other meters are working.

C.C. Collection – The pumping stations were visited on a daily basis where routine maintenance was performed. The new VFDs have arrived for the Hershey Mill Pump Station. We will get them installed as soon as time allows. We had a reported residential sewer clog on Grand Oak Lane. After several attempts to clear the lateral, we decided to dig. We found that

1 the water company's contractor struck the lateral so, we continued to make the repair. All costs
2 for the job will be invoiced to the contractor. The contractor was called, and they did arrive at
3 the scene so they could witness the damage. Our crews worked into the evening installing a
4 new lateral.

5 We also televised all of Bitter Sweet Development as the water company will be installing new
6 water mains. Prior to them starting, I held a Pre-con meeting with the crew to explain that if
7 they hit a lateral, they are to report it as soon as it happens. We also had to remove 12 large
8 Ash trees along the sanitary sewer line located behind Thistle Lane.

9 **R.C. Collection** – The pump station was visited on a daily basis, and the meters were read with
10 no problems to report. We did complete the clearing along the Hershey Mill trunk line. While
11 doing so, we managed to bury our skid steer with Vince inside.

12 **Ridley Creek Plant** – We had to go in when the number 2 generator went into alarm mode for low
13 coolant level. Paul Sydell was notified to come out and check the generator. He found out that the
14 water pump was bad. The part has been ordered and once it arrives it will be installed.

15 **Alarms:** We responded to 20 alarms in June.

16 **PA One Calls:** We responded to over 130 PA One Calls for the month of June.

17 **Rainfall:** 7.50 inches for the month of June

18 **Lateral Caps:** We repaired 12 laterals and inspected them.

19

20 Comments – The report was reviewed. No one knew were Bitter Sweet Development was. Metal
21 boxes were discussed. Derek will ask Mark about this.

22

23 **2. Pennoni Engineer's Report for June dated July 9, 2021**

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

25 • Caustic Soda Conversion – No activity since our last report. An updated progress plan was
26 submitted to the Township for review. A field review meeting with Public Works, the operator, and
27 controls contractor is being scheduled.

28 • SBR#1 Repairs – Coating and concrete repairs were previously completed. We are finalizing
29 our inspection report for submission to track the condition vs. prior tank inspections.

30 • We initiated the NPDES Permit Renewal application.

31 **Ridley Creek Collection System Permanent Meters**

32 • No activity since our last report.

33 **Westtown Way Pump Station**

34 • We analyzed cost estimates and project programming alternatives in preparation for the
35 intermunicipal coordination meeting with West Goshen. We attended the coordination meeting on
36 July 7.

- 1 • **Sanitary Sewer Pipe Rehab**
- 2 • Supplee Valley – No activity since our last report.
- 3 • Hershey’s Mill Estates –
- 4 1. Wetland delineation and bog turtle habitat investigation reports were submitted to US
- 5 Fish & Wildlife Service (USFWS) on May 19, 2021. We anticipate the USFWS
- 6 review will take 60-90 days and that we will have comments in late July or August.
- 7 2. Upon receipt of USFWS concurrence, we will submit the Waterways permit
- 8 application. The extent of wetlands impacts will dictate if the permitting will be a
- 9 PADEP General Permit or a USACE Individual Permit, which is still being
- 10 determined. This permitting typically takes 90-120 days for review.
- 11 3. An updated approx. 80% progress plan submission was made to the Township on June
- 12 23. We conducted a field review meeting with Mark thereafter. There are several
- 13 residential cleanouts/laterals that our survey was unable to uncover. Public Works
- 14 will have the sewers re-televised to locate the laterals and to revisit the condition of a
- 15 few pipes that were not planned for replacement to determine if they should be added
- 16 to the contract as Add Items.
- 17 4. We will need to commission an additional field survey to obtain elevations and
- 18 locations for storm sewer culverts near the tennis court and the previously unlocated
- 19 cleanouts. We will also stakeout residential property lines throughout the project
- 20 extent to ensure work is contained within easements and Township property.
- 21 5. Schedule – The aforementioned permitting is expected to take another 4-5 months. A
- 22 5-month duration would result in bidding in or around December, award in early 2022
- 23 and construction thereafter with timeframes to potentially be dictated by
- 24 environmental agencies.

25 Comments – Mike Ellis mentioned that Mark met with the homeowners and walked the site with
26 them. Mike will have surveyors stakeout the area and put orange construction tape up. Phil
27 would like to walk the site. Mike explained a few add items and laterals. In about a week he
28 should be able to schedule a site visit. Mike Lynch mentioned the Hershey Mill Dam project
29 which should be done by the end of the year. Mike Ellis commented that the dam will not be
30 impacted by the Hershey Mill Estates project.

31

32 **I&I Program**

- 33 • No activity since our last report.

34 **New Connections**

- 35 • No activity since our last report.

1 **Industrial Pretreatment Ordinance**

- 2 • No activity since our last report. As discussed at the May MA meeting, a headworks study with sampling
3 at the RCSTP needs to be conducted to set contaminant limits. There will not be a notable cost savings to
4 perform the sampling as part of the ongoing NPDES Permit Renewal sampling since the sampling will be
5 significantly different. Consideration should be given to budgeting for the headworks study and sampling
6 in 2022.
7
8

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

10 The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge
11 limitations for the month of May 2021. All supplemental reports were submitted with the DMR.
12 Discharge to the Applebrook irrigation lagoon was placed on line. Chemical usage utilized for pH
13 and total alkalinity remained consistent with previous months. Aluminium sulfate solution continued
14 to be reduced while remaining to achieve phosphorus removal. No significant mechanical or
15 operational issues were observed during operation of sludge dewatering equipment or SBR treatment
16 process. There were a couple of odor complaints, as a result of warmer temperatures contributing to
17 odors from the sludge holding tanks. Actions to mitigate the odors were placed in effect and no
18 additional odors were reported during the month.
19

20 Comments – Scott mentioned that the flow meter will be moved so they can read it daily. Walter
21 spoke about flow numbers which Scott has reported to DEP. Scott explained about the flows and
22 reports data. Mike Ellis mentioned that Willistown and East Whiteland have agreements with Aqua.
23 He explained the process of valuation and length of time it takes. He guesses about 1 year.
24

25 **Approval of Minutes**

26 Walter moved to approve the June 14, 2021 minutes as amended. Jack seconded the motion. The
27 motion passed unanimously.
28

29 **Approval of Invoices**

30 Approval process was discussed. Kevin asked if Mark Miller is approving all invoices. Derek
31 will discuss this with Mark. Mike Lynch feels the Director of Finance should have control. Dave
32 mentioned that Mark makes notes and they put the invoices together for the meeting. On Pennoni
33 Invoice #1076825, Dana thought X537 was passed on. Mike Ellis explained.
34 Phil moved to approve payment of the six invoices as shown on the agenda with a correction on the
35 Highway Materials invoice which should be \$393.82 paid. Jack seconded the motion. The motion
36 passed unanimously.
37

38 **Liaison Reports**

39 1. Conservancy Board – Walter reported that they removed several trees from Clymers Woods.

40 2. Board of Supervisors – Mike Lynch mentioned regarding the Paoli Pike Trail Segment B across
41 the Hicks property, by a split decision, they adopted a resolution for eminent domain. He felt they
42 had a good discussion with the Hicks. He explained that they plan to have an electric gate, double
43 fencing and extensive landscaping. It will take a while.

44 The Pipeline Ordinance will be reviewed later in the month. Derek mentioned the Hershey Mill Dam
45 and that work is starting on the Milltown Dam project. These are 2 large open space properties for
46 the public.
47

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Financial Reports

Dave Ware reviewed the following report:
In June, the Municipal Authority recorded \$27,215 in revenues (from transfers) and \$25,190 in expenses for a positive variance of \$2,025. As of June 30, 2021, the fund balance was \$11,099.

Old Business

1. Resolution to Reimburse Expenditures for Capital Projects – Rob reviewed this final version and mentioned the highlights and the 60-day time limit. The time limit is in a Federal code which he read and explained. It was decided to approve the resolution today and have Dave and Derek check on anything that comes under the 60-day limit.
Kevin moved to approve the resolution as presented for East Goshen to reimburse expenditures from the guaranteed note. Phil seconded the motion. The motion passed unanimously.

Goals

Dana reviewed the goals which were updated.

New Business

1. Discuss July 7th meeting with West Goshen - Dana discussed the meeting. East Goshen does not feel they should be responsible for stream bank restoration. Dana feels the meeting went well. There may be some room for negotiation for future payments. We are in the \$1.5 million range. Contingencies of 10% were discussed. They plan to bid it in August. Mike Lynch reviewed his notes from the meeting. Phil asked about the 2 months of by-pass pumping. By-pass pumping costs about \$32,500 a month. Mike Ellis hopes, as this moves forward, that there isn't as much of a problem getting equipment. He expects delays for piping – it takes 4 months right now. He discussed the costs on the spreadsheet and will contact Josh from HRG. Stormwater overflows were discussed. Mike Lynch would like to get detailed monthly reports from West Goshen. Derek commented that he and Mark Miller and Dave Ware will meet with Mike Moffa to go over the numbers again.
Dana thanked everyone for their participation in this project.

Any Other Matter -

1. Derek received the following email from Mr. & Mrs. D'Orta who live on Grand Oak Lane. As a homeowner on Grand Oak Lane, I wanted to tell you about our experience with your work crew. They responded immediately to a water/sewer problem that turned into a big job. They were respectful and diligent while solving the problem. They even stayed late to get the job done. I just want them to get the recognition they deserve.
2. Mike Lynch mentioned that Marty Shane is in the hospital.

Capacity Request – Kevin moved to approve the new lateral connection request for 1725 Town Drive. Jack seconded the motion. The motion passed unanimously.

1 **Correspondence-** Dana acknowledged a letter from PMAA regarding their annual conference to be
2 held August 29 to September 1, 2021.

3
4 **Public Comment -** None

5
6 **Adjournment**

7 There being no further business Jack moved to adjourn the meeting. Walter seconded the motion.
8 The motion passed unanimously. The meeting was adjourned at 8:45 pm.
9 The next regular meeting will be held on Monday, August 9, 2021 at 7:00 pm.

10
11 Respectfully submitted,

12
13
14 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 : 1080846
Invoice Date : 07/30/2021
Project : EGMAU21001
Project Name : 2021 General
Services

For Services Rendered Through 07/18/2021

July Engineer's Report, reviewed July RCSTP operator's report, and attended July MA meeting. Continued analysis of current and past cost estimates and current cost environment for Westtown Way Pump Station Rehab, and prepared for and attended intermunicipal coordination meeting between East Goshen and West Goshen on July 7.

Billing Limits	Current	Prior	To-Date
Total Billings	1,672.50	12,720.50	14,393.00
Limit			30,000.00
Remaining			15,607.00

Labor

	Hours	Rate	Amount
Authority Engineer	11.25	132.00	1,485.00
Associate Professional	1.50	97.00	145.50
Engineering Technician	.50	84.00	42.00
Totals	13.25		1,672.50
Total Labor			1,672.50
Total this Invoice			<u>\$1,672.50</u>

MM
8/6/2021

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

West Goshen Sewer System Consultation
EGMAU21001 Invoice Summary
Invoice Date 7/30/2021

Project:	EGMAU21001		
Pennoni Job No.:	2021 General Services		
Invoice No:	1080846		
Invoice Period:	6/21/2021	to	7/18/2021
Initial Authorization:	\$ 30,000.00	Date:	7/30/2021
Contract Amount:	\$ 30,000.00		
Previously Invoiced:	\$ 12,720.50		
Current Invoice:	\$ 1,672.50		
Invoiced to Date (\$):	\$ 14,393.00		
Invoiced to Date (%):			
Remaining Budget (\$):	\$ 15,607.00		
Remaining Budget (%):	52%		

Budget by Phase:

Phase Name:	2021 General Services
Phase Budget:	\$ 30,000.00
Previously Invoiced:	\$ 12,720.50
Current Invoice:	\$ 1,672.50
Invoiced to Date (\$):	\$ 14,393.00
Invoiced to Date (%):	
Remaining Budget (\$):	
Remaining Budget (%):	

Comments: July Engineer's Report, reviewed July RCSTP operator's report, and attended July MA meeting. Continued analysis of current and past cost estimates and current cost environment for Westtown Way Pump Station Rehab, and prepared for and attended intermunicipal coordination meeting between East Goshen and West Goshen on July 7



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 : 1080847
 Invoice Date : 07/30/2021
 Project : EGMAU21004
 Project Name : HM Estates Sewer
 Design & Permitting

For Services Rendered Through 07/18/2021

Phase 04: Continued design and plan preparation. Attended field meeting with M. Miller to review approximately 80% complete progress plans and to evaluate site staging area, unlocated sewer lateral services/cleanouts, and property line stakeout extents.

Phase 06: Prepared for field recon to search for residential property corners along sewer alignment and to stakeout associated property lines and easements. NOTE - THIS PHASE IS SUPPLEMENTAL WORK BEYOND THAT WHICH WAS PREVIOUSLY APPROVED BY THE MUNICIPAL AUTHORITY. THE ESTIMATED CONTRACT AMOUNT FOR THIS PHASE WILL BE DETERMINED AFTER THE INITIAL SURVEY FIELD RECON.

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	\$16,791.76	80.00%	\$20,880.00	\$4,088.24
05 -- Permitting	\$8,000.00	\$1,520.39	19.00%	\$1,520.39	\$0.00
06 -- Property Line Stakeout	est. \$0.00	\$0.00		\$33.00	\$33.00
Total :	\$64,800.00	\$49,012.15		\$53,133.39	\$4,121.24

Phase: 06 -- Property Line Stakeout

Labor

Class	Hours	Rate	Amount
Authority Engineer	0.25	132.00	33.00

Labor

Phase Subtotal

33.00
\$33.00
\$4,121.24

Amount Due This Invoice

MSJ
8/6/2021

West Goshen HM Estates Sewer Design Permitting
EGMAU21004 Invoice Summary
Invoice Date 7/30/2021

Project:	EGMAU21004		
Pennoni Job No.:	HM Estates Sewer Design & Permitting		
Invoice No:	1080847		
Invoice Period:	6/21/2021	to	7/18/2021
Initial Authorization:	\$ 64,800.00	Date:	7/30/2021
Contract Amount:	\$ 64,800.00		
Previously Invoiced:	\$ 49,012.15		
Current Invoice:	\$ 4,121.24		
Invoiced to Date (\$):	\$ 53,133.39		
Invoiced to Date (%):	82%		
Remaining Budget (\$):	\$ 11,666.61		
Remaining Budget (%):	18%		

Budget by Phase:

Phase Name:	HM Estates Sewer Design & Permitting		
Phase Budget:	\$ 64,800.00		
Previously Invoiced:	\$ 49,012.15		
Current Invoice:	\$ 4,121.24		
Invoiced to Date (\$):	\$ 53,133.39		
Invoiced to Date (%):	82%		
Remaining Budget (\$):	\$ 11,666.61		
Remaining Budget (%):	18%		

Comments: Phase 04: Continued design and plan preparation. Attended field meeting with M. Miller to review approximately 80% complete progress plans and to evaluate site staging area, unlocated sewer lateral services/cleanouts, and property line stakeout extents.

Phase 06: Prepared for field recon to search for residential property corners along sewer alignment and to stakeout associated property lines and easements. NOTE - THIS PHASE IS SUPPLEMENTAL WORK BEYOND THAT WHICH WAS PREVIOUSLY APPROVED BY THE MUNICIPAL AUTHORITY. THE ESTIMATED CONTRACT AMOUNT FOR THIS PHASE WILL BE DETERMINED AFTER THE INITIAL SURVEY FIELD RECON.



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 : 1080848
Invoice Date : 07/30/2021
Project : EGMAU21005
Project Name : RCSTP NPDES
Permit Renewal

For Services Rendered Through 07/18/2021

Assembled data and background information, began filling out application forms, and determined sampling requirements.

Billing Limits	Current	Prior	To-Date
Total Billings	776.50	144.00	920.50
Limit			7,000.00
Remaining			6,079.50

Labor

	Hours	Rate	Amount
Authority Engineer	.50	132.00	66.00
Project Professional	2.25	111.00	249.75
Associate Professional	4.75	97.00	460.75
Totals	7.50		776.50
Total Labor			776.50

Total this Invoice \$776.50

MM
8/16/2021

RCSTP NPDES Permit Renewal
EGMAU21005 Invoice Summary
Invoice Date 7/30/2021

Project: EGMAU21005
Pennoni Job No.: RCTP NPDES Permit Renewal
Invoice No: 1080848
Invoice Period: 6/21/2021 to 7/18/2021
Initial Authorization: \$ 7,000.00 **Date:** 7/30/2021
Contract Amount: \$ 7,000.00
Previously Invoiced: \$ 144.00
Current Invoice: \$ 776.50
Invoiced to Date (\$): \$ 920.50
Invoiced to Date (%): 13%
Remaining Budget (\$): \$ 6,079.50
Remaining Budget (%): 87%

Budget by Phase:

Phase Name: RCTP NPDES Permit Renewal
Phase Budget: \$ 7,000.00
Previously Invoiced: \$ 144.00
Current Invoice: \$ 776.50
Invoiced to Date (\$): \$ 920.50
Invoiced to Date (%): 13%
Remaining Budget (\$): \$ 6,079.50
Remaining Budget (%): 87%

Comments: Assembled data and background information, began filling out application forms, and determined sampling requirements

Ward Landscape Services Inc.
 956 Cornwallis Dr.
 West Chester, PA 19380

Statement

(610) 696-4832

East Goshen Township
 Mr. Mark Miller
 1580 Paoli Pike
 West Chester, Pa 19380

Account No.	Date
306	07/13/21
Total Amount Due	
\$ 6,020.00	

Due Upon Receipt

Amount Enclosed \$: _____

REMIT TO: WARD LANDSCAPE SERVICES INC.

Services Rendered At: EAST GOSHEN TOWNSHIP

Page # 1

Previous Balance: 2,920.00

DATE	DESCRIPTION	AMOUNT		
06/25/21	Plant & mulch 12 Skip Laurels at Hibbard Lane Electric meter	3,100.00		
<p>APPROVED BY: <u>[Signature]</u> DATE PAID: _____ CHECK #: _____ CHARGED TO: 07479-1505</p> <p>Hibbard Lane - Meta Planted bushes around water area</p>				
Current	Over 30	Over 60	Over 90	Total Amount Due
3,100.00	2,920.00			\$ 6,020.00

Thank You.



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
WATER AND WASTEWATER OPERATOR CERTIFICATION PROGRAM

WASTEWATER SYSTEM

2021 AVAILABLE OPERATOR REPORT

Changes (please print any changes)

No Changes

<u>WASTEWATER SYSTEM NAME & ADDRESS</u>	<u>SYSTEM INFORMATION</u>
EAST GOSHEN MUNICIPAL AUTHORITY 1580 PAOLI PIKE WEST CHESTER, PA 19380-6107	Fac ID: 270290 Invoice ID: 1206666 Cert Req: WWC-1 NPDES: PA0050504 County: Chester

AVAILABLE OPERATORS - DEP Records

Please Identify
Operator(s) in Responsible Charge

<u>Client ID</u>	<u>Name</u>	<u>Certificate No.</u>	<u>Class & Subclasses</u>	<u>Employ</u>		<u>ORC</u>
				<u>Start Date</u>	<u>End Date</u>	
194477	MULLIN MATTHEW	T3369	A,E-1,2,3,4	02/22/2012	_____	<input type="checkbox"/>
196106	TOWLER SCOTT A	T0390	A,E-1,2,3,4	02/22/2012	_____	<input type="checkbox"/>
240699	ROSS JAMES J	S14284	A-1	02/22/2012	_____	<input type="checkbox"/>

NEW AVAILABLE OPERATORS (please print)

<u>Client ID</u>	<u>Name</u>	<u>Certificate No.</u>	<u>Class & Subclasses</u>	<u>Employ Start Date</u>	<u>ORC</u>
_____	_____	_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	_____	_____	<input type="checkbox"/>
_____	_____	_____	_____	_____	<input type="checkbox"/>

CIRCUIT RIDER SYSTEM Yes No

Name of Circuit Rider
 Business SCOTT TOWLER
 Address 801 GENERAL STERLING DR
 City WEST CHESTER State PA Zip 19382-8035
 Telephone (484) 401-4198 County _____

I am the legal owner or representative of this wastewater system. I have reviewed and updated as necessary, the information on this form and certify that it is true, complete, and accurate to the best of my knowledge.

Print Name _____ Title _____
 Signature _____ E-Mail _____
 Date _____ Phone # _____



CHAPTER 302 OPERATOR CERTIFICATION ANNUAL SERVICE FEE

Under the Water and Wastewater Systems Operators' Certification Program, wastewater system owners are required to pay an annual service fee to the Department, based on the system class size. Wastewater system class size is based on the permitted average daily discharge flow, as specified in Title 25 Pa. Code 302.901.

This annual fee is separate from, and in addition to, the Chapter 302 public water system annual service fee that drinking water facilities are required to pay. Public water systems will receive a separate invoice.

WASTEWATER SYSTEM INVOICE

Account ID	Invoice ID	Client ID	Permit Number	Facility Number	Due Date	Invoice Date
743593	1206666	62683	PA0050504	270290	08/31/2021	07/01/2021

**EAST GOSHEN MUNI AUTH CHESTER CNTY
MARK MILLER
1580 PAOLI PIKE
WEST CHESTER, PA 19380-6107**

Facility: **RIDLEY CREEK STP**
County: **Chester**

Based on current information, the class size for this wastewater system is: **WWC**

Payment of the annual service fee is due within 60 days of the date of the invoice or interest shall accrue on the entire amount at a rate of 12% per annum until payment is remitted. The **2021** annual fee and any previous unpaid fees are listed below.

	<u>Fee</u>	<u>Prev-Year Interest</u>	<u>Total</u>
Current Amount Due 2021 Chapter 302 Annual Service Fee:	\$ 100		100

Total Amount Due: \$ 100

INSTRUCTIONS:

1. Please pay the **Total Amount Due** shown above by **08/31/2021**
2. The annual service fee must be paid by a nonrefundable **check or money order** payable to the **"Commonwealth of Pennsylvania"**
3. The NPDES Permit or Facility ID number AND invoice ID number should be printed on the check or money order.
4. Report any changes to names or addresses on this form or by separate attachment. Retain a copy of the completed invoice for your records.

5. Mail payment and *original* invoice to:
ATTN: Chapter 302 Annual Service Fee
PA Department of Environmental Protection
P.O. Box 8467
Harrisburg, PA 17105-8467

If you have any questions, please contact the Department at 717.787.9633 | RA-WastewaterOperato@pa.gov.

***** For DEP use only *****

Date Received: _____	Invoice ID: 1206666
Date Entered into eFACTS: _____	Check No: _____
Entered By: _____	Check Amount: _____



CHAPTER 302 OPERATOR CERTIFICATION ANNUAL SERVICE FEE

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This annual fee is separate from, and in addition to, the Chapter 302 public water system annual service fee that drinking water facilities are required to pay. Public water systems will receive a separate invoice.

WASTEWATER SYSTEM INVOICE

Account ID	Invoice ID	Client ID	Permit Number	Facility Number	Due Date	Invoice Date
743593	1206666	62683	PA0050504	270290	08/31/2021	07/01/2021

**EAST GOSHEN MUNI AUTH CHESTER CNTY
MARK MILLER
1580 PAOLI PIKE
WEST CHESTER, PA 19380-6107**

Facility: **RIDLEY CREEK STP**
County: **Chester**

Based on current information, the class size for this wastewater system is: **WWC**

Payment of the annual service fee is due within 60 days of the date of the invoice or interest shall accrue on the entire amount at a rate of 12% per annum until payment is remitted. The **2021** annual fee and any previous unpaid fees are listed below.

	<u>Fee</u>	<u>Prev-Year Interest</u>	<u>Total</u>
Current Amount Due 2021 Chapter 302 Annual Service Fee:	\$ 100		100

Total Amount Due: \$ 100

INSTRUCTIONS:

- Please pay the **Total Amount Due** shown above by **08/31/2021**.
- The annual service fee must be paid by a nonrefundable **check or money order** payable to the **"Commonwealth of Pennsylvania"**
- The NPDES Permit or Facility ID number AND invoice ID number should be printed on the check or money order.
- Report any changes to names or addresses on this form or by separate attachment. Retain a copy of the completed invoice for your records.
- Mail payment and *original* invoice to:
**ATTN: Chapter 302 Annual Service Fee
PA Department of Environmental Protection
P.O. Box 8467
Harrisburg, PA 17105-8467**

If you have any questions, please contact the Department at 717.787.9633 | RA-WastewaterOperato@pa.gov.

***** For DEP use only *****

Date Received: _____
Date Entered into eFACTS: _____
Entered By: _____

Invoice ID: 1206666
Check No: _____
Check Amount: _____



AVAILABLE OPERATOR REPORT (AOR) INSTRUCTIONS

Title 25 Pa. Code 302.1202 requires all public water system and wastewater system owners to report their available operator information to the Department (DEP) *within 60 days* of receiving a written request. Additionally, a system owner shall notify DEP within 10 days of any addition, loss, change or replacement of an available operator.

An *available operator* is an appropriately certified operator who is on-site or able to be contacted as needed to make process control decisions in a timely manner to protect public health and the environment. The available operator must hold a certificate issued by the State Board for Certification of Water and Wastewater Systems Operators with the appropriate class and subclassification(s) necessary to operate the drinking water or wastewater system.

KEEP A COPY OF THIS REPORT for your files as it contains your Facility ID Number, the Cert Req (class and subclasses assigned your system), and the PWSID or NPDES permit number for your system as it appears in the state database.

1. MARK THE "Changes" or "No Changes" BOX:

- If the system information is **correct** and the system has not changed its available operators or circuit rider business, mark the "No Changes" box, complete the legal authorization section and mail the report to the DEP address listed below.
- If the system information is **incorrect because there is a change of operator(s) or circuit rider business**, then mark the "Changes" box and proceed to the following sections. *Please print all information.*

2. SYSTEM INFORMATION:

If the **system information** (Facility ID, Cert Req, or Permit number) is incomplete or incorrect make the appropriate system changes to the right of the reported information.

3. AVAILABLE OPERATORS:

If the system has **lost** an available operator(s), including grandparented operators, indicate when the available operator(s) employment was terminated (end date) at the system.

4. NEW AVAILABLE OPERATORS:

If the system has **added** an available operator(s), print the required information for the new available operator(s). A Client ID is required for each new available operator along with their start date.

5. OPERATOR-IN-RESPONSIBLE-CHARGE (ORC):

Check the box for each operator (current or new) that is designated as an operator-in-responsible charge. An operator-in-responsible-charge is an available operator that is designated by the owner to approve any standard operating procedures (SOPs) developed for the system.

6. CIRCUIT RIDER SYSTEM:

If the system **pays or contracts with a circuit rider business**, print the required circuit rider business information.

7. LEGAL AUTHORIZATION:

Each owner or system representative ***must complete*** the legal authorization section.

8. SUBMIT THE AOR FORM:

Complete and submit the ***original*** report to the following address:

PA Department of Environmental Protection
ATTN: Chapter 302 AOR
PO Box 8467
Harrisburg, PA 17105-8467

Memo

To: Municipal Authority
From: Dave Ware
Re: MA June 2021 Financial Report
Date: August 5, 2021

In July, 2021, the Municipal Authority recorded \$9,111 in revenues (from transfers) and \$9,145 expenses, for a negative variance of \$34. As of July 31, 2021, the fund balance was \$11,065.

A complete list of 2021 YTD MA revenues and expenses is attached.

I will "see" you all at the meeting on August 9, 2021 at 7PM.

EAST GOSHEN TOWNSHIP
Other Funds
July 2021
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
REVENUE								
INTEREST EARNINGS	07341 1000			1.96	1.96		0.11	0.11
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020							
DCEED GRANT	07354 0400	152,980						
C.C. TAPPING FEES	07364 1100			2,060.00	2,060.00			
R.C.TAPPING FEES	07364 1110			2,060.00	2,060.00			
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130			1,127.52	1,127.52			
MISCELLANEOUS REVENUE	07380 1000	565	424	564.48	140.48			
TRANSFER FROM GENERAL ACCT	07392 0100							
TRANSFER FROM SEWER OPERATING	07392 0500	279,915	267,892	61,211.91	(206,680.08)	5,784	5,291.06	(493.14)
TRANSFER FROM SEWER CAP RESV	07392 0501							
TRANSFER-ANNUAL CAP.RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900	122,000	54,187	159,385.33	105,198.80	4,084	3,819.33	(264.51)
TOTAL REVENUE		555,460	322,503	226,411.20	(96,091.32)	9,868	9,110.50	(757.54)
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	30,000	15,000	14,943.04	56.96			
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000			1,518.25	(1,518.25)			
MUNIC.AUTH.-AUDITING	07424 3110	9,440	9,440	10,000.00	(560.00)			
ENGINEERING SERVICES	07424 3130	60,900	38,691	28,597.06	10,094.27	5,442	4,046.75	1,395.18
LEGAL SERVICES	07424 3140	8,120	3,860	7,033.82	(3,173.96)	1,029	1,244.31	(215.01)
W.G. C.C.STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440							
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
CAP.REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHBRIDGE	07424 7491							
HERSHEY MILL STATION - ENGINEER	07426 1000							
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000							

EAST GOSHEN TOWNSHIP
Other Funds
July 2021
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
RESERVOIR PUMP STATION - ENGINEER	07428 1000							
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
RELINING	07429 1500							
BARKWAY PUMP STATION CAPITAL	07429 1501			5,117.00	(5,117.00)			
ASHBRIDGE PUMP STATION CAPITAL	07429 1502			30,324.00	(30,324.00)			
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503			20,847.77	(20,847.77)			
HUNT CO PUMP STATION CAPITAL	07429 1504	87,000	87,000	8,277.00	78,723.00			
RCSTP CAPITAL	07429 1505	230,000	29,141	94,819.56	(65,678.20)	29,141	3,819.33	25,322.03
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LEGAL	07429 3166							
WEST GOSHEN CAPITAL	07429 6100							
M.C.-DVRFA-DEBT SERVICE	07471 1000							
M.A.-R.C. DEBT SERVICE	07471 1010							
DVRFA PUMPING STATIONS - PRINCIPAL	07471 2000							
M.C.-DVRFA-INTEREST PAYMN	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
Bank Fees	07491 5001			241.50	(241.50)		34.50	(34.50)
TRANSFER TO GENERAL FUND	07492 0100							
TRANSFER TO SEW.OPERATING	07492 0500							
TRF TO SEWER CAPITAL RESERVE FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
TOTAL EXPENSES		425,460	183,133	221,719.00	(38,586.45)	35,613	9,144.89	26,467.70
NET RESULT FROM OPERATIONS		130,000	139,370	4,692.20	(134,677.77)	(25,745)	(34.39)	25,710.16

Municipal Authority
July 2021 YTD Financials

Account#	Description	Per	Src	Trx#	Debits	Credits	Balance	Date	Check#	ID #	Name	Description	Description 2
07341-1000	BEGINNING BALANCE						(1.85)						
07341-1000	INTEREST EARNINGS	2107	JE	79787	-	0.11	-	7/31/2021	INTEREST		INTEREST E	7100.1035	
07364-1100	BEGINNING BALANCE						(2,060.00)						
07364-1110	BEGINNING BALANCE						(2,060.00)						
07364-1130	BEGINNING BALANCE						(1,127.52)						
07380-1000	BEGINNING BALANCE						(564.48)						
07392-0500	BEGINNING BALANCE						(55,920.85)						
07392-0500	TRANSFER FROM SEWER OPERATING	2107	JE	79501	-	5,291.06	-	7/13/2021	XFER		XFER \$ FRC RESERVE TO MA		
07392-0900	BEGINNING BALANCE						(155,566.00)						
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2107	JE	79501	-	3,819.33	-	7/13/2021	XFER		XFER \$ FRC RESERVE TO MA		
07424-1400	BEGINNING BALANCE						14,943.04						
07424-3000	BEGINNING BALANCE						1,518.25						
07424-3110	BEGINNING BALANCE						10,000.00						
07424-3130	BEGINNING BALANCE						24,550.31						
07424-3130	ENGINEERING SERVICES	2107	CD	79500	4,046.75	-	-	7/13/2021	3283		1052 PENNONI / SERVICE THRU 6/20/21 RCSTP NPDES	PERMIT RENEWAL	
07424-3140	BEGINNING BALANCE						5,789.51						
07424-3140	LEGAL SERVICES	2107	CD	79500	1,244.31	-	-	7/13/2021	3282		528 GAWTHRO LEGAL SERVICE 6/3-6/28/21 GEN.AUTH.		
07429-1501	BEGINNING BALANCE						5,117.00						
07429-1502	BEGINNING BALANCE						30,324.00						
07429-1503	BEGINNING BALANCE						20,847.77						
07429-1504	BEGINNING BALANCE						8,277.00						
07429-1505	BEGINNING BALANCE						91,000.23						
07429-1505	RCSTP CAPITAL	2107	CD	79500	3,819.33	-	-	7/13/2021	3283		1052 PENNONI / SERVICE THRU 6/20/21 HM ESTATES	SEWER DESIGN & PERMITTING	
07491-5001	BEGINNING BALANCE						207.00						
07491-5001	Bank Fees	2107	EX	79392	34.50	-	-	7/1/2021	79392	1	JUNE 2021 Bank Fees		

MEMO

Date: August 5, 2021
From: Derek Davis, Township Manager
To: East Goshen Municipal Authority, Mark Miller
Re: COVID-19 Relief Allocation

At the August 3rd Board of Supervisors meeting, a discussion was had on the appropriate usage of the \$949,820.77 received from the federal government to be used by municipalities to mitigate certain hardships due to the ongoing pandemic. This is the first half of funding as East Goshen will receive an almost identical amount in June 2022.

The suggestion from staff was to allocate the funds to subject matters that were explicitly mentioned in federal guidelines as to make compliance with the allowable uses as easy as possible when we move forward with justification to the federal government at some point.

Infrastructure projects, specifically sewer, was mentioned in those guidelines as being an appropriate use and staff made a suggestion to the board that this would be a good use of the funds given the obligations we have for capital projects in this realm. The board agreed with that suggestion.

I will be proposing a 2021 budget amendment resolution at the August 17th board meeting. The allocation, for what I will label "Sewer Infrastructure Projects", will be an estimated \$915,000-\$920,000 as the additional, smaller amount leftover will be set aside for a broadband infrastructure project in the main meeting room. The Municipal Authority will receive notice once the resolution passes.

We hope the funds bring much needed relief to an important township asset. The discussion on the next round of funding will be had at the 2022 budget workshops and meetings. This will be allocated at a later date.



TO: Chairman Tomlinson, Chairwoman Boscola, and members of the Senate Consumer Affairs and Professional Licensure Committee

FROM: Jennie Shade, Director of Government Relations *J.S.*

DATE: May 21, 2021

SUBJECT: Opposition to SB 597 P.N. 645 and any subsequent amendments

I am writing on behalf of the Pennsylvania Municipal Authorities Association (PMAA) which represents over 700 municipal authorities across the Commonwealth, the vast majority of which provide drinking water and wastewater treatment services to more than six million of its citizens.

PMAA **vehemently opposes** SB 597 P.N. 645 and any subsequent amendments amending either Title 27 (Environmental Resources) or Title 66 (Public Utilities). The bill in its current form adds a chapter to Title 27 establishing the Water Quality Accountability Act requiring asset management plans and various other provisions. While we are supportive of and more than willing to negotiate best management practice standards as prescribed under the current printer's number, the most recent draft removes Title 27 and shifts everything under Title 66. This shift to PUC oversight is extremely alarming to municipal systems across the Commonwealth and so we must ask why this extreme change? What is the end goal? What is the intent of the bill?

This language essentially strips the DEP of its oversight and enforcement authority related to water and wastewater system operations and asset management practices. Thousands of municipalities and municipal authorities across the Commonwealth would suddenly be subject to PUC oversight at considerable cost to these communities. Not only does this bill overstep regulations currently in place, but it will also significantly increase rates to the consumer. This unnecessary financial burden is contrary to the best interests of the public, your constituents, the citizens of our communities. Authorities and municipal systems are concerned that the consequence will result in making it easier for private utilities to research investment value of and purchase municipal water and wastewater systems.

A related concern is the enforcement action and cost sharing described in this legislation. The proposal includes requirements for plans to be submitted to and approved by the PUC, with no specific criteria for approval provided. However, compliance is contingent upon PUC approval of the utility's plan. Failure to achieve compliance results in the municipality or municipal authority being deemed a "public utility" and falling under complete PUC jurisdiction, with no opportunity for remedy or recourse. The lack of due process is alarming. The legislation clearly creates a pathway for municipal and municipal authority operated water and sewer systems to become PUC-regulated entities. **The consequences of this will be devastating and expensive for these systems and will result in increased costs to the citizens served.** The consumer would see little if any benefit and the likely outcome would be massive rate increases, especially as unemployment is high

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717-737-7655 . 717-737-8431 (f) . info@municipalauthorities.org

m u n i c i p a l a u t h o r i t i e s . o r g

and municipal systems work to assist customers who are struggling financially.

There are several other technical concerns with this proposed legislation that are overshadowed by the overarching concerns described above. Examples of these technical concerns include:

- Poorly conceived requirements for certain asset management protocols
- Impractical and expensive requirements related to water meter testing protocols
- Submission of protected critical asset data to the PUC

The immediate implementation of these approaches will result in significant rate increases to citizens in many communities across Pennsylvania, while the benefit of these approaches has not been examined or quantified in any way. A more appropriate approach for asset management requirements would be to follow existing regulatory protocols established by DEP to promulgate new regulations and accept public input and technical advice from industry experts prior to finalizing such requirements, followed by a compliance schedule and small systems technical support to achieve compliance. This legislation bypasses this established process and will result in a myriad of unintended consequences for water and sewer utilities across the Commonwealth.

Due to these inherent complexities and concerns, on behalf of our members, we respectfully ask that you **oppose** SB 597 P.N. 645 and any subsequent amendments. Thank you for your consideration.

THE GENERAL ASSEMBLY OF PENNSYLVANIA

SENATE BILL

No. 597 Session of 2021

INTRODUCED BY STEFANO, MENSCH, SCAVELLO, LAUGHLIN AND COLLETT, APRIL 21, 2021

SENATOR TOMLINSON, CONSUMER PROTECTION AND PROFESSIONAL LICENSURE, AS AMENDED, MAY 25, 2021

AN ACT

1 ~~Amending Title 27 (Environmental Resources) of the Pennsylvania~~ <--
2 ~~Consolidated Statutes, in special programs, providing for~~
3 ~~water quality accountability.~~

4 AMENDING TITLE 66 (PUBLIC UTILITIES) OF THE PENNSYLVANIA <--
5 CONSOLIDATED STATUTES, PROVIDING FOR WATER AND WASTEWATER
6 ASSET MANAGEMENT PLANS.

7 The General Assembly of the Commonwealth of Pennsylvania
8 hereby enacts as follows:

9 ~~Section 1. Title 27 of the Pennsylvania Consolidated~~ <--
10 ~~Statutes is amended by adding a chapter to read:~~

CHAPTER 67.

WATER QUALITY ACCOUNTABILITY

Sec.

6701. Scope.

6702. Definitions.

6703. Asset management plan.

6704. Critical valve inspections and testing by water system
operator.

6705. Meters.

- 1 ~~6706. Lead service line replacements.~~
- 2 ~~6707. Development of cybersecurity system.~~
- 3 ~~6708. Annual information to customers.~~
- 4 ~~6709. Regulations.~~
- 5 ~~6710. Contingency for public funding.~~
- 6 ~~6711. Enforcement.~~
- 7 ~~§ 6701. Scope.~~

8 ~~This chapter relates to water quality accountability.~~

9 ~~§ 6702. Definitions.~~

10 ~~The following words and phrases when used in this chapter~~
11 ~~shall have the meanings given to them in this section unless the~~
12 ~~context clearly indicates otherwise:~~

13 ~~"Commission." The Pennsylvania Public Utility Commission.~~

14 ~~"Community sewerage system." A publicly or privately owned~~
15 ~~community sewage system that uses a method of sewage collection,~~
16 ~~conveyance, treatment or disposal other than renovation in a~~
17 ~~soil absorption area or retention in a retaining tank.~~

18 ~~"Critical valve." A valve that is identified as critical by~~
19 ~~a water system operator, including a valve that is:~~

20 ~~(1) located at a hospital or nursing home;~~

21 ~~(2) located at an interconnection with a purveyor;~~

22 ~~(3) a regulator control valve;~~

23 ~~(4) a system valve that, if nonfunctioning, would cause~~
24 ~~widespread disruption to a service area; or~~

25 ~~(5) a valve in a facility, such as a treatment plant,~~
26 ~~pump station, storage tank or well, that is needed to isolate~~
27 ~~or operate the facility.~~

28 ~~"Department." The Department of Environmental Protection of~~
29 ~~the Commonwealth.~~

30 ~~"Lead service line." A water service pipe made of lead that~~

~~1 connects a water main to a building inlet and a lead "pigtail,"~~
~~2 "gooseneck" or other fitting that is connected to the water~~
~~3 service pipe.~~

~~4 "Public water system." A system for the provision to the~~
~~5 public of water for human consumption through pipes or other~~
~~6 constructed conveyances, if the system has at least 15 service~~
~~7 connections or regularly serves an average of at least 25~~
~~8 individuals daily at least 60 days during a calendar year.~~

~~9 "Water system operator." Any person or entity that owns or~~
~~10 operates a public water system or community sewerage system.~~

~~11 § 6703. Asset management plan.~~

~~12 (a) Duty to implement. Beginning no later than 12 months~~
~~13 after the effective date of this section, a water system~~
~~14 operator shall implement an asset management plan designed to~~
~~15 inspect, maintain, repair and renew its water and wastewater~~
~~16 infrastructure consistent with standards established by the~~
~~17 American Water Works Association and Water Environmental~~
~~18 Federation. The asset management plan shall include:~~

~~19 (1) A water main renewal program designed to achieve a~~
~~20 replacement recycle of no greater than 100 years as~~
~~21 determined by a detailed engineering analysis of the asset~~
~~22 material of construction, condition and estimated service~~
~~23 life remaining of the water mains serving the public water~~
~~24 system and the failure or low conveyance capability for fire~~
~~25 flow.~~

~~26 (2) A wastewater main renewal program designed to~~
~~27 achieve a replacement cycle or rehabilitation cycle no~~
~~28 greater than 100 years as determined by a detailed~~
~~29 engineering analysis of the asset material of construction~~
~~30 and condition, including the condition and type of main to~~

1 ~~service connection and estimated service life remaining of~~
2 ~~the wastewater mains serving the public wastewater system.~~

3 ~~(3) A water supply and treatment program designed to~~
4 ~~inspect, maintain, repair, renew and upgrade wells, intakes,~~
5 ~~pumps and treatment facilities in accordance with all Federal~~
6 ~~and State regulations, standards established by the American~~
7 ~~Water Works Association and the Water Environmental~~
8 ~~Federation and any mitigation plan required under this~~
9 ~~chapter.~~

10 ~~(4) A sewer inspection program shall be created in~~
11 ~~accordance with the NASSCO Pipeline Assessment Certification~~
12 ~~Program (PACP).~~

13 ~~(5) An initial schedule for the planned repair and~~
14 ~~replacement of water and wastewater infrastructure over a~~
15 ~~specified time period.~~

16 ~~(6) A general description of the location of the water~~
17 ~~and wastewater infrastructure, including a map.~~

18 ~~(7) A reasonable estimate of the quantity of water and~~
19 ~~wastewater infrastructure to be improved and an estimated~~
20 ~~timeline in which the assets will be repaired or replaced.~~

21 ~~(8) Projected annual expenditures to implement the plan~~
22 ~~and measures taken to ensure that the plan is cost effective.~~

23 ~~(9) The specific criteria used by the water system~~
24 ~~operator to identify critical valves and their current~~
25 ~~condition and a map identifying each one.~~

26 ~~(b) Annual dedication of money. Each water system operator~~
27 ~~shall dedicate money on an annual basis to address and remediate~~
28 ~~the highest priority projects as determined by its asset~~
29 ~~management plan.~~

30 ~~(c) Report to department. A water system operator shall~~

~~1 post on its publicly accessible Internet website and provide an
2 annual report to the commission or department based on the
3 operator's asset management plan prepared under this section.~~

~~4 The report shall include:~~

~~5 (1) A description that specifies all water and
6 wastewater infrastructure repaired, improved and replaced and
7 the associated costs in the immediately preceding 12 month
8 period according to the asset management plan. The report
9 shall also include a detailed description of inability to
10 execute pipe improvements as planned and how that has or will
11 be addressed so that the plan may be achieved.~~

~~12 (2) A detailed description of all water and wastewater
13 infrastructure to be improved in the upcoming 12 month period
14 and the estimated cost of the improvement.~~

~~15 (d) Centralized portal to be created. The department shall
16 create a centralized portal allowing for electronic submittal of
17 the report required under subsection (c). The lack of a
18 centralized portal shall not affect the duty to submit a report
19 under subsection (c).~~

~~20 § 6704. Critical valve inspections by water system operator.~~

~~21 (a) Duty to inspect and repair or replace critical valves.~~

~~22 A water system operator shall inspect each critical valve in its
23 public water system in accordance with the provisions of
24 subsection (b) in order to determine:~~

~~25 (1) accessibility of the valve for operational purposes;~~

~~26 and~~

~~27 (2) the valve's operating condition.~~

~~28 A water system operator shall repair or replace a valve found
29 to be broken or otherwise not operational.~~

~~30 (b) Frequency of inspections. A water system operator shall~~

1 ~~inspect each critical valve consistent with a plan filed with~~
2 ~~the commission or the department, no less than every five years.~~
3 ~~At a minimum, a valve inspection conducted pursuant to this~~
4 ~~subsection shall include:~~

5 ~~(1) clearing of the area around the valve to ensure full~~
6 ~~access to the valve for operating purposes;~~

7 ~~(2) cleaning out of the valve box;~~

8 ~~(3) dynamic testing of the valve, by opening and then~~
9 ~~closing the valve for either of the following number of~~
10 ~~turns:~~

11 ~~(i) recommended by the valve manufacturer to~~
12 ~~constitute a credible test or the number of turns which~~
13 ~~constitutes 15% of the total number of turns necessary to~~
14 ~~completely open or completely close the valve; and~~

15 ~~(ii) complying with any other criteria as may be~~
16 ~~required by department rules and regulations.~~

17 ~~(c) Annual fire hydrant inspection. A water system operator~~
18 ~~shall annually inspect at least 33% of the fire hydrants in its~~
19 ~~system in order to determine the hydrant's working condition.~~
20 ~~The water system operator shall formulate and implement a plan~~
21 ~~for flushing fire hydrants and at dead ends of water mains in~~
22 ~~the public water system and as water quality needs dictate. The~~
23 ~~plan for flushing may be combined with the periodic testing of~~
24 ~~fire hydrants otherwise required.~~

25 ~~(d) Recordkeeping and marking of fire hydrants.~~

26 ~~(1) A water system operator shall keep a record of all~~
27 ~~inspections, tests and flushings conducted under this section~~
28 ~~for a period of at least six years.~~

29 ~~(2) A water system operator that owns, solely or~~
30 ~~jointly, a fire hydrant shall mark the hydrant with the~~

~~initials of its name, abbreviation of its name, corporate symbol or other distinguishing mark or code by which ownership may be readily and definitely ascertained. Each fire hydrant shall be marked with a number or symbol, or both, by which the location of the hydrant may be determined on the water system operator's office records. The markings may be made with paint, brand or with a soft metal plate and shall be of such size and spaced and maintained so as to be easily read.~~

~~(e) GPS identification. A water system operator shall identify the geographic location of each valve and fire hydrant in its public water system using a global positioning system based on satellite or other location technology.~~

~~§ 6705. Meters.~~

~~(a) Allowable error. No water meter that has an error in registration of more than 2% may be placed in service, nor may a water meter that has an error in registration of more than 4% be allowed to remain in service, when water is passing through the meter at approximately the following rates of flow:~~

Meter size (inches)	Gallons per minute
5/8	6
3/4	10
1	20
1 1/2	30
2	50
3	90
4	180
6	300

~~(b) Prohibition.~~

~~(1) No water system operator furnishing metered water~~

1 ~~service may allow a water meter of one inch or less nor a~~
2 ~~water meter of more than one inch to remain in service for a~~
3 ~~period longer than 20 years and eight years, respectively,~~
4 ~~without testing the meter for accuracy and readjusting the~~
5 ~~meter if the meter is found to be incorrect beyond the limits~~
6 ~~established in subsection (a).~~

7 ~~(2) At a customer's request, the water system operator~~
8 ~~shall also perform a meter test without charge if a meter has~~
9 ~~been in service and has not been tested for a period greater~~
10 ~~than that specified in the following table:~~

<u>Inch Meter</u>	<u>Years</u>
<u>5/8</u>	<u>10</u>
<u>3/4</u>	<u>8</u>
<u>1</u>	<u>6</u>
<u>More than 1</u>	<u>4</u>

16 ~~(c) Meter test records.~~

17 ~~(1) When a water meter is tested, the original test~~
18 ~~record shall be kept indicating:~~

19 ~~(i) the information necessary for identifying the~~
20 ~~meter;~~

21 ~~(ii) the reason for making the test;~~

22 ~~(iii) the reading of the meter before being~~
23 ~~disturbed; and~~

24 ~~(iv) the accuracy of the meter together with data~~
25 ~~taken at the time of the test.~~

26 ~~(2) The record shall be sufficiently complete to permit~~
27 ~~the convenient checking of the methods employed and the~~
28 ~~calculations made.~~

29 ~~(3) A record shall also be kept, preferably numerically~~
30 ~~arranged, indicating:~~

1 ~~(i) the date of meter purchase;~~

2 ~~(ii) the name of the manufacturer;~~

3 ~~(iii) the meter's size, identification, various~~
4 ~~places of installation with dates of installation and~~
5 ~~removal; and~~

6 ~~(iv) the dates and general results of all tests;~~

7 ~~(d) Installation and removal of meters;~~

8 ~~(1) Within 60 days of installation, a water meter shall~~
9 ~~be inspected by the water system operator for mechanical~~
10 ~~condition and suitability of location. In the case of a new~~
11 ~~meter or a meter reconditioned by a manufacturer, the test~~
12 ~~results of the manufacturer may be accepted as the~~
13 ~~installation test if the water system operator has verified~~
14 ~~the manufacturer's reported test results by testing the~~
15 ~~greater of 10% or 10 meters of a shipment of meters. In case~~
16 ~~of emergency, a meter not meeting the requirements of this~~
17 ~~section may be installed temporarily.~~

18 ~~(2) (i) A water meter that is removed from service~~
19 ~~shall be tested within 30 days for accuracy to complete~~
20 ~~the meter's test history. When a meter is removed from~~
21 ~~service, it shall be properly sealed to secure registers~~
22 ~~and measuring devices until it can be properly tested for~~
23 ~~accuracy.~~

24 ~~(ii) This paragraph does not apply to a meter~~
25 ~~permanently removed from service and replaced by a new~~
26 ~~meter using a remote reading device.~~

27 ~~§ 6706. Lead service line replacements.~~

28 ~~(a) Duty to submit plan to department. Within one year of~~
29 ~~the effective date of this section, a water system operator~~
30 ~~shall submit to the department a plan to remove and replace all~~

1 ~~lead service lines, whether customer owned or water system~~
2 ~~operator owned, within or connected to the operator's public~~
3 ~~water system. The removal and replacement must be completed~~
4 ~~within 20 years from the effective date of this section.~~

5 ~~(b) Regulations. The department shall promulgate~~
6 ~~regulations establishing the minimum plan requirements under~~
7 ~~this section.~~

8 ~~§ 6707. Development of cybersecurity system.~~

9 ~~(a) Regulations. The department shall promulgate~~
10 ~~regulations establishing the minimum requirements for a water~~
11 ~~system operator cybersecurity program.~~

12 ~~(b) Development of cybersecurity program.~~

13 ~~(1) Within 120 days of the publication of the~~
14 ~~department's final regulations under subsection (a), a water~~
15 ~~system operator shall develop a cybersecurity program that:~~

16 ~~(i) is determined by an accredited cyber security~~
17 ~~professional;~~

18 ~~(ii) implements organization accountabilities and~~
19 ~~responsibilities for cyber risk management activities;~~

20 ~~and~~

21 ~~(iii) establishes policies, plans, processes and~~
22 ~~procedures for identifying, reporting and mitigating~~
23 ~~cyber risk to its public water system.~~

24 ~~(2) As part of the program, the water system operator~~
25 ~~shall conduct risk assessments and implement appropriate~~
26 ~~controls to:~~

27 ~~(i) mitigate identified risks to the public water~~
28 ~~system;~~

29 ~~(ii) maintain situational awareness of cyber threats~~
30 ~~and vulnerabilities to the public water system; and~~

- 1 3703. ASSET MANAGEMENT PLANS.
2 3704. CRITICAL VALVE INSPECTIONS AND FIRE HYDRANT INSPECTIONS
3 BY WATER SYSTEM OPERATOR.
4 3705. WATER METERS.
5 3706. DEVELOPMENT OF CYBERSECURITY SYSTEM.
6 3707. ANNUAL INFORMATION TO CUSTOMERS.
7 3708. REGULATIONS.
8 3709. CONTINGENCY FOR PUBLIC FUNDING.
9 3710. ENFORCEMENT.

10 3711. COMMISSION COSTS.

11 § 3701. SCOPE OF CHAPTER.

12 THIS CHAPTER RELATES TO WATER AND WASTEWATER ASSET MANAGEMENT
13 PLANS.

14 § 3702. DEFINITIONS.

15 THE FOLLOWING WORDS AND PHRASES WHEN USED IN THIS CHAPTER
16 SHALL HAVE THE MEANINGS GIVEN TO THEM IN THIS SECTION UNLESS THE
17 CONTEXT CLEARLY INDICATES OTHERWISE:

18 "COMMUNITY WASTEWATER SYSTEM." A PUBLICLY OR PRIVATELY OWNED
19 COMMUNITY SEWAGE SYSTEM WHICH SERVES AT LEAST 501 SERVICE
20 CONNECTIONS USED BY YEAR-ROUND RESIDENTS THAT USES A METHOD OF
21 SEWAGE COLLECTION, CONVEYANCE TREATMENT OR DISPOSAL OTHER THAN
22 RENOVATION IN A SOIL ABSORPTION AREA OR RETENTION IN A RETAINING
23 TANK. THE TERM DOES NOT INCLUDE A MUNICIPALLY OWNED AND OPERATED
24 SEWAGE SYSTEM THAT OWNS AND OPERATES A WATER SYSTEM WHICH HAS
25 APPLIED TO THE COMMISSION FOR A VOLUNTARY CHANGE IN RATES UNDER
26 SECTION 1308(D) (RELATING TO VOLUNTARY CHANGES IN RATES), WITHIN
27 FIVE YEARS OF THE EFFECTIVE DATE OF THIS SECTION.

28 "COMMUNITY WATER SYSTEM." A PUBLIC WATER SYSTEM WHICH SERVES
29 AT LEAST 501 SERVICE CONNECTIONS USED BY YEAR-ROUND RESIDENTS.
30 THE TERM DOES NOT INCLUDE AN ENTITY WHICH HAS APPLIED TO THE

1 COMMISSION FOR A VOLUNTARY CHANGE IN RATES UNDER SECTION
2 1308(D), WITHIN FIVE YEARS OF THE EFFECTIVE DATE OF THIS
3 SECTION.

4 "CRITICAL VALVE." A VALVE THAT IS IDENTIFIED AS CRITICAL BY
5 A WATER SYSTEM OPERATOR, INCLUDING A VALVE THAT IS:

- 6 (1) LOCATED AT A HOSPITAL OR NURSING HOME;
7 (2) LOCATED AT AN INTERCONNECTION WITH A PURVEYOR;
8 (3) A REGULATOR CONTROL VALVE;
9 (4) A BACKFLOW VALVE OF ANY TYPE, PROTECTING AGAINST
10 EITHER A HIGH OR LOW HAZARD; OR
11 (5) A VALVE IN A FACILITY, SUCH AS A TREATMENT PLANT,
12 PUMP STATION, STORAGE TANK OR WELL, THAT IS NEEDED TO ISOLATE
13 OR OPERATE THE FACILITY.

14 "LEAD SERVICE LINE." A WATER SERVICE PIPE MADE OF LEAD THAT
15 CONNECTS A WATER MAIN TO A BUILDING INLET AND A LEAD PIGTAIL,
16 GOOSENECK OR OTHER FITTING THAT IS CONNECTED TO THE WATER
17 SERVICE PIPE.

18 "WASTEWATER SYSTEM OPERATOR." A PERSON OR ENTITY THAT OWNS
19 OR OPERATES A COMMUNITY WASTEWATER SYSTEM.

20 "WATER SYSTEM OPERATOR." A PERSON OR ENTITY THAT OWNS OR
21 OPERATES A COMMUNITY WATER SYSTEM.

22 § 3703. ASSET MANAGEMENT PLANS.

23 (A) COMMUNITY WATER SYSTEM ASSET MANAGEMENT PLAN.--BEGINNING
24 NO LATER THAN 12 MONTHS AFTER THE EFFECTIVE DATE OF THIS
25 SECTION, A WATER SYSTEM OPERATOR SHALL ANNUALLY SUBMIT AN ASSET
26 MANAGEMENT PLAN, PURSUANT TO A SCHEDULE ESTABLISHED BY THE
27 COMMISSION AND EVERY THREE YEARS THEREAFTER TO THE COMMISSION
28 FOR REVIEW AND APPROVAL. THE ASSET MANAGEMENT PLAN SHALL BE
29 DESIGNED TO INSPECT, MAINTAIN, REPAIR AND RENEW THE WATER SYSTEM
30 OPERATOR'S WATER INFRASTRUCTURE CONSISTENT WITH FEDERAL AND

1 STATE LAWS. THE COMMUNITY WATER SYSTEM ASSET MANAGEMENT PLAN
2 SHALL INCLUDE AT A MINIMUM:

3 (1) A WATER MAIN RENEWAL PROGRAM DESIGNED TO ACHIEVE A
4 STATED REPLACEMENT CYCLE DETERMINED BY A DETAILED ENGINEERING
5 ANALYSIS OF THE ASSET MATERIAL OF CONSTRUCTION, CONDITION AND
6 ESTIMATED SERVICE LIFE REMAINING OF THE WATER MAINS SERVING
7 THE COMMUNITY WATER SYSTEM AND THE FAILURE OR LOW CONVEYANCE
8 CAPABILITY FOR FIRE FLOW.

9 (2) A WATER SUPPLY AND TREATMENT PROGRAM DESIGNED TO
10 INSPECT, MAINTAIN, REPAIR, RENEW AND UPGRADE WELLS, INTAKES,
11 PUMPS AND TREATMENT FACILITIES.

12 (3) AN INITIAL SCHEDULE FOR THE PLANNED REPAIR AND
13 REPLACEMENT OF WATER SYSTEM INFRASTRUCTURE OVER A SPECIFIED
14 TIME PERIOD.

15 (4) A GENERAL DESCRIPTION OF THE LOCATION OF THE WATER
16 SYSTEM INFRASTRUCTURE, INCLUDING A MAP.

17 (5) A REASONABLE ESTIMATE OF THE QUANTITY OF WATER
18 SYSTEM INFRASTRUCTURE TO BE IMPROVED IN THE COMING YEAR AND A
19 DESCRIPTION OF THE WATER SYSTEM INFRASTRUCTURE REPAIRED,
20 IMPROVED OR REPLACED AND THE ASSOCIATED COSTS FOR THE
21 IMMEDIATELY PRECEDING 12-MONTH PERIOD.

22 (6) PROJECTED ANNUAL EXPENDITURES TO IMPLEMENT THE PLAN,
23 THE AMOUNT OF MONEY DEDICATED ON AN ANNUAL BASIS TO ADDRESS
24 THE HIGHEST PRIORITY PROJECTS AND MEASURES TAKEN TO ENSURE
25 THAT THE PLAN IS COST EFFECTIVE.

26 (7) THE SETTING OF RATES THAT ARE SUFFICIENT TO SUSTAIN
27 THE CURRENT OPERATION OF THE COMMUNITY WATER SYSTEM AND THE
28 FINANCING FOR ALL PLANNED AND REASONABLY ANTICIPATED
29 INFRASTRUCTURE IMPROVEMENTS.

30 (8) THE SPECIFIC CRITERIA USED BY THE WATER SYSTEM

1 OPERATOR TO IDENTIFY CRITICAL VALVES AND THEIR CURRENT
2 CONDITION AND FIRE HYDRANTS AND A MAP IDENTIFYING EACH ONE IN
3 ACCORDANCE WITH SECTION 3704 (RELATING TO CRITICAL VALVE
4 INSPECTIONS AND FIRE HYDRANT INSPECTIONS BY WATER SYSTEM
5 OPERATOR).

6 (9) A REPORT OF WATER METER TESTING IN ACCORDANCE WITH
7 SECTION 3705 (RELATING TO WATER METERS).

8 (10) A LEAD SERVICE LINE REMOVAL AND REPLACEMENT PLAN
9 WHICH INCLUDES THE REMOVAL AND REPLACEMENT OF CUSTOMER-OWNED
10 AND WATER SYSTEM OPERATOR-OWNED LINES, WITHIN OR CONNECTED TO
11 THE OPERATOR'S COMMUNITY WATER SYSTEM.

12 (11) A CROSS-CONNECTION CONTROL AND BACKFLOW PREVENTION
13 PLAN.

14 (12) CERTIFICATION OF A CYBERSECURITY PLAN DEVELOPED IN
15 ACCORDANCE WITH SECTION 3706 (RELATING TO DEVELOPMENT OF
16 CYBERSECURITY SYSTEM).

17 (B) COMMUNITY WASTEWATER SYSTEM ASSET MANAGEMENT PLAN.--
18 BEGINNING NO LATER THAN 12 MONTHS AFTER THE EFFECTIVE DATE OF
19 THIS SECTION, A WASTEWATER SYSTEM OPERATOR SHALL SUBMIT AN ASSET
20 MANAGEMENT PLAN PURSUANT TO A SCHEDULE ESTABLISHED BY THE
21 COMMISSION, AND EVERY THREE YEARS THEREAFTER, TO THE COMMISSION
22 FOR REVIEW AND APPROVAL. THE ASSET MANAGEMENT PLAN SHALL BE
23 DESIGNED TO INSPECT, MAINTAIN, REPAIR AND RENEW ITS WASTEWATER
24 INFRASTRUCTURE CONSISTENT WITH FEDERAL AND STATE LAWS. THE
25 COMMUNITY WASTEWATER SYSTEM ASSET MANAGEMENT PLAN SHALL INCLUDE
26 AT A MINIMUM:

27 (1) A WASTEWATER MAIN RENEWAL PROGRAM DESIGNED TO
28 ACHIEVE A STATED REPLACEMENT OR REHABILITATION CYCLE BY A
29 DETAILED ENGINEERING ANALYSIS OF THE ASSET MATERIAL OF
30 CONSTRUCTION, THE CONDITION AND TYPE OF MAIN-TO-SERVICE

1 CONNECTION AND ESTIMATED SERVICE LIFE REMAINING OF THE
2 WASTEWATER MAINS SERVING THE COMMUNITY WASTEWATER SYSTEM.

3 (2) A SEWER INSPECTION PROGRAM DESIGNED TO PERFORM AN
4 ASSESSMENT OF THE COLLECTION SYSTEM TO ESTABLISH THE
5 COLLECTIONS SYSTEM'S CONDITION.

6 (3) AN INITIAL SCHEDULE FOR THE PLANNED REPAIR AND
7 REPLACEMENT OF WASTEWATER INFRASTRUCTURE OVER A SPECIFIED
8 TIME PERIOD.

9 (4) A GENERAL DESCRIPTION OF THE LOCATION OF THE
10 WASTEWATER INFRASTRUCTURE, INCLUDING A MAP.

11 (5) A REASONABLE ESTIMATE OF THE QUANTITY OF WASTEWATER
12 INFRASTRUCTURE TO BE IMPROVED IN THE COMING YEAR AND A
13 DESCRIPTION OF THE WASTEWATER INFRASTRUCTURE REPAIRED,
14 IMPROVED OR REPLACED AND THE ASSOCIATED COSTS FOR THE
15 IMMEDIATELY PRECEDING 12 MONTH PERIOD.

16 (6) PROJECTED ANNUAL EXPENDITURES TO IMPLEMENT THE PLAN,
17 THE AMOUNT OF MONEY DEDICATED ON AN ANNUAL BASIS TO ADDRESS
18 THE HIGHEST PRIORITY PROJECTS AND MEASURES TAKEN TO ENSURE
19 THAT THE PLAN IS COST EFFECTIVE.

20 (7) THE SETTING OF RATES THAT ARE SUFFICIENT TO SUSTAIN
21 THE CURRENT OPERATION OF THE COMMUNITY WASTEWATER SYSTEM AND
22 THE FINANCING FOR EACH PLANNED AND REASONABLY ANTICIPATED
23 INFRASTRUCTURE IMPROVEMENT.

24 (8) A CROSS-CONNECTION CONTROL AND BACKFLOW PREVENTION
25 PLAN.

26 (9) CERTIFICATION OF A CYBERSECURITY PLAN DEVELOPED IN
27 ACCORDANCE WITH SECTION 3706.

28 (C) SCHEDULE.--PLANS SUBMITTED UNDER THIS SECTION MUST
29 INCLUDE A SCHEDULE UNDER WHICH THE WATER SYSTEM OPERATOR OR
30 WASTEWATER SYSTEM OPERATOR WILL ACHIEVE GOALS OF THE ASSET

1 MANAGEMENT PLANS.

2 § 3704. CRITICAL VALVE INSPECTIONS AND FIRE HYDRANT INSPECTIONS
3 BY WATER SYSTEM OPERATOR.

4 (A) CRITICAL VALVE INSPECTIONS.--A WATER SYSTEM OPERATOR
5 SHALL INSPECT EACH CRITICAL VALVE IN THE WATER SYSTEM OPERATOR'S
6 COMMUNITY WATER SYSTEM TO DETERMINE THE ACCESSIBILITY OF EACH
7 CRITICAL VALVE FOR OPERATIONAL PURPOSES AND THE CRITICAL VALVE'S
8 OPERATING CONDITION. A WATER SYSTEM OPERATOR SHALL INSPECT EACH
9 CRITICAL VALVE CONSISTENT WITH ITS ASSET MANAGEMENT PLAN, NO
10 LESS THAN EVERY THREE YEARS AND AT ANY TIME THE WATER SYSTEM
11 OPERATOR INSTALLS, REPAIRS OR RELOCATES A CRITICAL VALVE. AT A
12 MINIMUM, A CRITICAL VALVE INSPECTION MUST:

13 (1) FOLLOW THE RECOMMENDATION OF THE VALVE MANUFACTURER
14 TO CONSTITUTE A CREDIBLE TEST OR THE NUMBER OF TURNS WHICH
15 CONSTITUTES 15% OF THE TOTAL NUMBER OF TURNS NECESSARY TO
16 COMPLETELY OPEN OR COMPLETELY CLOSE THE VALVE; AND

17 (2) COMPLY WITH ANY OTHER CRITERIA REQUIRED UNDER RULES
18 AND REGULATIONS.

19 (B) REMEDY.--A WATER SYSTEM OPERATOR SHALL REMEDY A CRITICAL
20 VALVE FOUND TO BE NONOPERATIONAL AND INCLUDE THE REMEDIATION IN
21 ITS ASSESSMENT MANAGEMENT PLAN.

22 (C) FIRE HYDRANTS.--A WATER SYSTEM OPERATOR SHALL ANNUALLY
23 INSPECT AT LEAST 33% OF THE FIRE HYDRANTS IN THE WATER SYSTEM
24 OPERATOR'S SYSTEM IN A MANNER THAT EACH FIRE HYDRANT IS
25 INSPECTED OVER THE COURSE OF FOUR YEARS IN ORDER TO DETERMINE
26 EACH FIRE HYDRANT'S WORKING CONDITION. THE WATER SYSTEM OPERATOR
27 SHALL FORMULATE AND IMPLEMENT A PLAN FOR FLUSHING FIRE HYDRANTS
28 AND AT DEAD ENDS OF WATER MAINS AS WATER QUALITY NEEDS DICTATE.
29 THE PLAN FOR FLUSHING MAY BE COMBINED WITH THE REQUIRED PERIODIC
30 TESTING OF FIRE HYDRANTS.

1 (D) RECORDKEEPING AND MARKING OF FIRE HYDRANTS.--

2 (1) A WATER SYSTEM OPERATOR SHALL KEEP A RECORD OF EACH
3 INSPECTION, TEST AND FLUSHING CONDUCTED UNDER THIS SECTION
4 FOR A PERIOD OF AT LEAST SIX YEARS.

5 (2) A WATER SYSTEM OPERATOR THAT OWNS, SOLELY OR
6 JOINTLY, A FIRE HYDRANT SHALL CLEARLY MARK EASILY
7 IDENTIFIABLE OWNERSHIP INFORMATION, INCLUDING A NUMBER BY
8 WHICH THE LOCATION OF THE HYDRANT MAY BE DETERMINE, ON THE
9 WATER SYSTEM OPERATOR'S RECORDS.

10 (E) GPS IDENTIFICATION.--A WATER SYSTEM OPERATOR SHALL
11 IDENTIFY THE GEOGRAPHIC LOCATION OF EACH FIRE HYDRANT IN THE
12 WATER SYSTEM OPERATOR'S PUBLIC WATER SYSTEM USING A GLOBAL
13 POSITIONING SYSTEM BASED ON SATELLITE OR OTHER LOCATION
14 TECHNOLOGY.

15 § 3705. WATER METERS.

16 (A) ALLOWABLE ERROR.--A WATER METER THAT HAS AN ERROR IN
17 REGISTRATION OF MORE THAN 2% MAY NOT BE PLACED IN SERVICE AND A
18 WATER METER THAT HAS AN ERROR IN REGISTRATION OF MORE THAN 4%
19 MAY NOT REMAIN IN SERVICE, IF WATER IS PASSING THROUGH THE METER
20 AT APPROXIMATELY THE FOLLOWING RATES OF FLOW:

<u>METER SIZE (INCHES)</u>	<u>GALLONS PER MINUTE</u>
<u>5/8</u>	<u>6</u>
<u>3/4</u>	<u>10</u>
<u>1</u>	<u>20</u>
<u>1 1/2</u>	<u>30</u>
<u>2</u>	<u>50</u>
<u>3</u>	<u>90</u>
<u>4</u>	<u>180</u>
<u>6</u>	<u>300</u>

30 (B) PROHIBITION.--

1 (1) A WATER SYSTEM OPERATOR FURNISHING METERED WATER
2 SERVICE MAY NOT ALLOW A WATER METER TO REMAIN IN SERVICE
3 WITHOUT TESTING THE METER FOR ACCURACY AND READJUSTING IF THE
4 METER IS FOUND TO BE INCORRECT BEYOND THE LIMITS ESTABLISHED
5 UNDER SUBSECTION (A) FOR A WATER METER:

6 (I) OF ONE INCH OR LESS TO REMAIN IN SERVICE FOR A
7 PERIOD LONGER THAN 20 YEARS;

8 (II) OF MORE THAN ONE INCH TO REMAIN IN SERVICE FOR
9 A PERIOD LONGER THAN EIGHT YEARS.

10 (2) AT A CUSTOMER'S REQUEST, THE WATER SYSTEM OPERATOR
11 SHALL PERFORM A METER TEST WITHOUT CHARGE IF A METER HAS BEEN
12 IN SERVICE AND HAS NOT BEEN TESTED FOR A PERIOD GREATER THAN
13 THAT SPECIFIED AS FOLLOWS:

<u>METER SIZE (INCHES)</u>	<u>YEARS</u>
<u>5/8</u>	<u>10</u>
<u>3/4</u>	<u>8</u>
<u>1</u>	<u>6</u>
<u>MORE THAN 1</u>	<u>4</u>

19 (C) METER TEST RECORDS.--

20 (1) IF A WATER METER IS TESTED, THE ORIGINAL TEST RECORD
21 SHALL BE KEPT INDICATING:

22 (I) THE INFORMATION NECESSARY FOR IDENTIFYING THE
23 METER;

24 (II) THE REASON FOR MAKING THE TEST;

25 (III) THE READING OF THE METER BEFORE BEING
26 DISTURBED; AND

27 (IV) THE ACCURACY OF THE METER TOGETHER WITH DATA
28 TAKEN AT THE TIME OF THE TEST.

29 (2) THE RECORD SHALL BE SUFFICIENTLY COMPLETE TO PERMIT
30 THE CONVENIENT CHECKING OF THE METHODS EMPLOYED AND THE

1 CALCULATIONS MADE.

2 (3) IN ADDITION TO THE RECORDS UNDER PARAGRAPH (1), A
3 RECORD SHALL BE KEPT, INDICATING:

4 (I) THE DATE OF METER PURCHASE;

5 (II) THE NAME OF THE MANUFACTURER;

6 (III) THE METER'S SIZE, IDENTIFICATION, VARIOUS
7 PLACES OF INSTALLATION WITH DATES OF INSTALLATION AND
8 REMOVAL; AND

9 (IV) THE DATES AND GENERAL RESULTS OF EACH TEST.

10 (D) INSTALLATION AND REMOVAL OF METERS.--

11 (1) WITHIN 60 DAYS OF INSTALLATION, A WATER METER SHALL
12 BE INSPECTED BY THE WATER SYSTEM OPERATOR FOR MECHANICAL
13 CONDITION AND SUITABILITY OF LOCATION. FOR A NEW METER OR A
14 METER RECONDITIONED BY A MANUFACTURER, THE TEST RESULTS OF
15 THE MANUFACTURER MAY BE ACCEPTED AS THE INSTALLATION TEST IF
16 THE WATER SYSTEM OPERATOR HAS VERIFIED THE MANUFACTURER'S
17 REPORTED TEST RESULTS BY TESTING THE GREATER OF 10% OR 10
18 METERS OF A SHIPMENT OF METERS. FOR AN EMERGENCY, A METER NOT
19 MEETING THE REQUIREMENTS OF THIS SECTION MAY BE INSTALLED
20 TEMPORARILY.

21 (2) A WATER METER THAT IS REMOVED FROM SERVICE WITH THE
22 INTENT FOR THE WATER METER TO RETURN TO SERVICE SHALL BE
23 TESTED WITHIN 30 DAYS FOR ACCURACY TO COMPLETE THE METER'S
24 TEST HISTORY. WHEN A WATER METER IS TEMPORARILY REMOVED FROM
25 SERVICE, THE WATER METER SHALL BE PROPERLY SEALED TO SECURE
26 REGISTERS AND MEASURING DEVICES UNTIL THE WATER METER CAN BE
27 PROPERLY TESTED FOR ACCURACY.

28 § 3706. DEVELOPMENT OF CYBERSECURITY SYSTEM.

29 A WATER SYSTEM AND A WASTEWATER SYSTEM OPERATOR SHALL DEVELOP
30 A CYBERSECURITY PROGRAM THAT:

1 (1) IS DEVELOPED BY AN ACCREDITED CYBERSECURITY
2 PROFESSIONAL;

3 (2) IMPLEMENTS ORGANIZATIONAL ACCOUNTABILITY AND
4 RESPONSIBILITIES FOR CYBER RISK MANAGEMENT ACTIVITIES; AND

5 (3) ESTABLISHES POLICIES, PLANS, PROCESSES AND
6 PROCEDURES FOR IDENTIFYING, REPORTING AND MITIGATING CYBER
7 RISK TO THE WATER SYSTEM'S AND WASTEWATER SYSTEM OPERATOR'S
8 COMMUNITY WATER SYSTEM OR COMMUNITY WASTEWATER SYSTEM.

9 § 3707. ANNUAL INFORMATION TO CUSTOMERS.

10 A WATER SYSTEM OPERATOR SHALL ANNUALLY INFORM THE OPERATOR'S
11 CUSTOMERS OF COMPLIANCE WITH THIS CHAPTER IN A MANNER
12 ESTABLISHED BY THE COMMISSION.

13 § 3708. REGULATIONS.

14 (A) TEMPORARY.--THE COMMISSION SHALL PROMULGATE TEMPORARY
15 REGULATIONS AS NECESSARY TO IMPLEMENT THIS CHAPTER. THE
16 TEMPORARY REGULATIONS SHALL NOT BE SUBJECT TO THE FOLLOWING:

17 (1) SECTIONS 201, 202, 203, 204 AND 205 OF THE ACT OF
18 JULY 31, 1968 (P.L.769, NO.240), REFERRED TO AS THE
19 COMMONWEALTH DOCUMENTS LAW.

20 (2) SECTIONS 204(B) AND 301(10) OF THE ACT OF OCTOBER
21 15, 1980 (P.L.950, NO.164), KNOWN AS THE COMMONWEALTH
22 ATTORNEYS ACT.

23 (3) THE ACT OF JUNE 25, 1982 (P.L.633, NO.181), KNOWN AS
24 THE REGULATORY REVIEW ACT.

25 (B) EXPIRATION.--THE TEMPORARY REGULATIONS PROMULGATED UNDER
26 SUBSECTION (A) SHALL EXPIRE UPON THE PROMULGATION OF FINAL FORM
27 REGULATIONS OR TWO YEARS FOLLOWING THE EFFECTIVE DATE OF THIS
28 SECTION, WHICHEVER IS EARLIER.

29 § 3709. CONTINGENCY FOR PUBLIC FUNDING.

30 BEFORE A WATER OR WASTEWATER SYSTEM OPERATOR MAY RECEIVE A

1 SUBSIDIZED LOAN OR OTHER FINANCIAL ASSISTANCE FROM THE
2 COMMONWEALTH, THE WATER OR WASTEWATER SYSTEM OPERATOR MUST
3 DEMONSTRATE THAT THE OPERATOR HAS DEVELOPED OR IS IN THE PROCESS
4 OF DEVELOPING AN ASSET MANAGEMENT PROGRAM REQUIRED UNDER THIS
5 CHAPTER.

6 § 3710. ENFORCEMENT.

7 A WATER SYSTEM OPERATOR OR WASTE WATER SYSTEM OPERATOR THAT
8 FAILS TO FILE AN ASSET MANAGEMENT PLAN OR COMPLY WITH A
9 COMMISSION APPROVED PLAN SHALL, NOTWITHSTANDING ANY OTHER
10 PROVISION OF LAW, BE DEEMED A PUBLIC UTILITY AND REGULATED AS A
11 PUBLIC UTILITY.

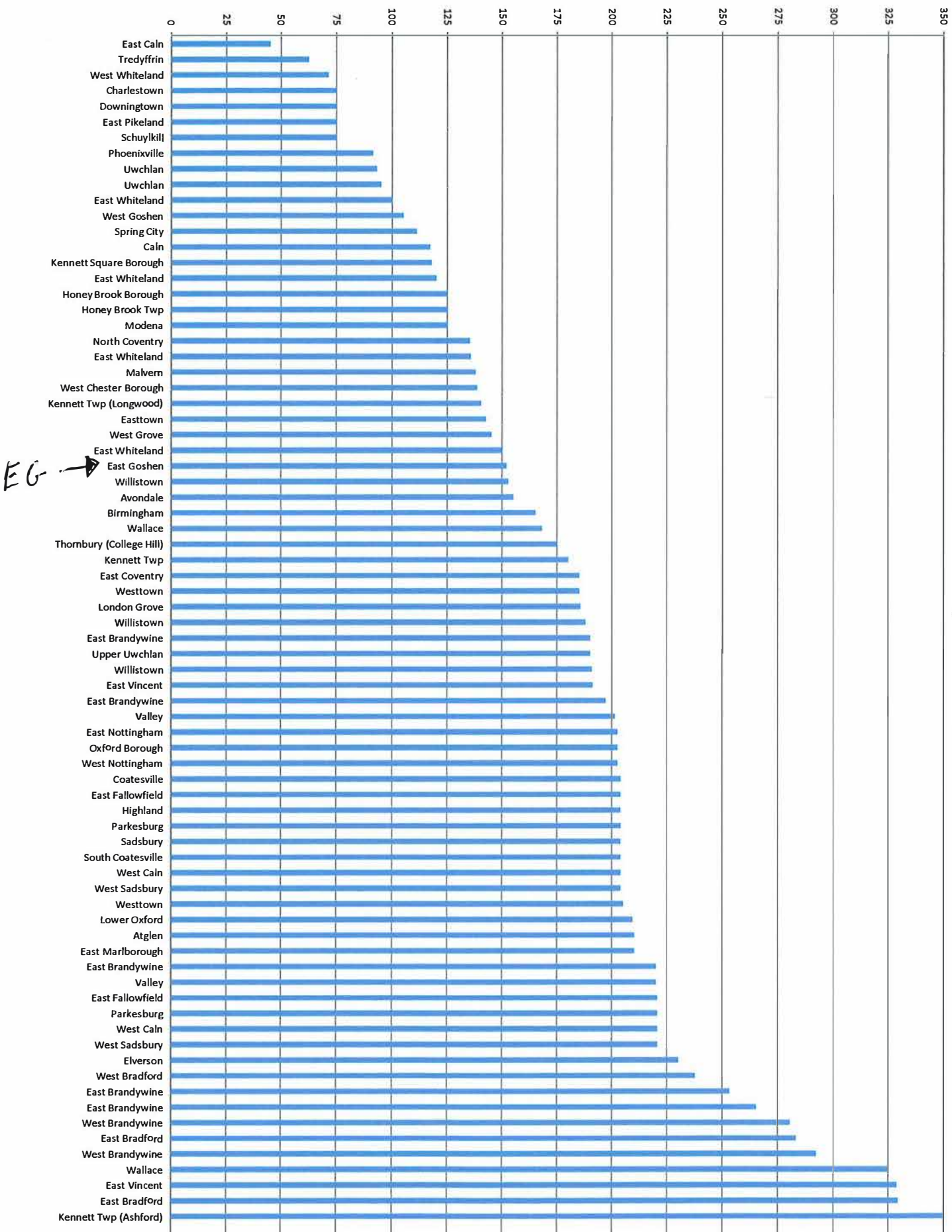
12 § 3711. COMMISSION COSTS.

13 THE PROGRAM COSTS FOR COMMISSION IMPLEMENTATION AND
14 ENFORCEMENT OF THIS CHAPTER SHALL BE INCLUDED IN THE
15 COMMISSION'S PROPOSED BUDGET AND SHALL BE ASSESSED UPON A
16 COMMUNITY WATER SYSTEM OPERATOR OR OWNER AND A COMMUNITY
17 WASTEWATER SYSTEM OPERATOR OR OWNER IN ACCORDANCE WITH SECTION
18 510 (RELATING TO ASSESSMENT FOR REGULATORY EXPENSES UPON PUBLIC
19 UTILITIES). FOR PURPOSES OF SECTION 510, THE DEFINITION OF
20 "PUBLIC UTILITY" SHALL INCLUDE A COMMUNITY WATER SYSTEM OPERATOR
21 OR OWNER OR COMMUNITY WASTEWATER SYSTEM OPERATOR OR OWNER
22 REQUIRED TO FILE UNDER THIS SECTION AND NOT SUBJECT TO SECTION
23 510 ASSESSMENTS. FOR THE PURPOSES OF SECTION 510 ASSESSMENTS,
24 COMMUNITY WATER SYSTEMS AND COMMUNITY WASTEWATER SYSTEMS MAY BE
25 GROUPED WITH OTHER PUBLIC UTILITIES FURNISHING THE SAME KIND OF
26 SERVICE. A COMMUNITY WATER SYSTEM OPERATOR OR OWNER AND A
27 COMMUNITY WASTEWATER SYSTEM OPERATOR OR OWNER SHALL REPORT
28 ANNUALLY TO THE COMMISSION THE GROSS INTRASTATE OPERATING
29 REVENUES FOR THE PRECEDING CALENDAR YEAR.

30 SECTION 2. THIS ACT SHALL TAKE EFFECT AS FOLLOWS:

1 (1) THE FOLLOWING PROVISIONS SHALL TAKE EFFECT
2 IMMEDIATELY:
3 (I) THIS SECTION.
4 (II) THE ADDITION OF 66 PA.C.S. §§ 3710 AND 3711.
5 (2) THE REMAINDER OF THIS ACT SHALL TAKE EFFECT IN SIX
6 MONTHS.

Qtrly. Rate - \$



Chester County
 Quarterly Sanitary Sewer Rates
 @ 12,000 gal/qr
 June, 2021

August 5, 2021

To: Municipal Authority

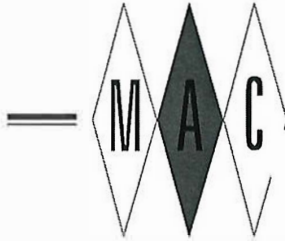
From: Mark Miller

Ref: New Sewer Connection (932 N. Chester Rd.)

We have a request from T.R. Moser builders to tie in a new single family home at 932 N. Chester Rd. that will be building. The developer will be installing an E One Grinder System which will pump up to the main that runs along North Chester Rd. I reached out Mike Ellis to see if he had any comments which he did not. The builder has an O&M Agreement in place to maintain the pump system.

Motion:

Mr. Chairman, I move that the Authority approve the grinder pump station, operation and maintenance agreement for the construction of a single family home at 932 N. Chester Rd.



MID-ATLANTIC APPRAISAL CONSULTANTS INC.

CALL: 215-383-6660

MAC@TAXAPPEALSPA.COM



Family Owned & Operated Since 1984

July 6th, 2021



EAST GOSHEN & MUNICIPAL AUTH
1580 PAOLI PIKE
WEST CHESTER PA 19380-6107



RE: APN: 53-004-0133.010E
1751 Towne Dr
Chester County
East Goshen

NO COST REVIEW

Current Assessed Value: \$1,537,510

Current Net Tax: \$41,346

Land Use: Utilities

Dear Taxpayer,

REDUCING REAL ESTATE TAXES IN CHESTER COUNTY

Increasing property taxes have become a prominent issue for commercial taxpayers in the State of Pennsylvania. These properties often share an unjustified portion of the municipality's tax burden. Real estate taxes are likely the highest single expense incurred on a property.

The State Tax Equalization Board establishes a (CLR) or common level ratio for each county (based upon sales) to determine the proper level of assessment to market value. As a result, it has become increasingly important for commercial taxpayers to have their assessments reviewed on an annual basis since these properties most often share an unjustified portion of the tax burden with application of the CLR.

CONTINGENCY BASED RESULTS SINCE 1984

I am pleased to offer a NO-COST REVIEW of your property. Your fee arrangement could be handled on a contingency basis where fees are incurred ONLY AFTER your property taxes are reduced and verified on the tax rolls.

Due to the negative effect of the COVID-19 pandemic on Pennsylvania's commercial real estate market, along with rising property tax rates, the 2022 tax year can present an excellent opportunity to reduce your tax obligation.

Please do not hesitate to contact me for your NO-COST REVIEW and to discuss in further depth the potential of reducing your property tax obligation for this tax year. The initial analysis could be completed by phone at 215-383-6660 or e-mail JSLaz@TaxAppealsPA.com.

DEADLINES IN PA START AUGUST 1ST



Sincerely,

Handwritten signature of James S. Lazarus

James S. Lazarus

Senior Tax Analyst

JSLaz@TaxAppealsPA.com

Notice: Information deemed reliable but not guaranteed. please check with your local taxing district to confirm accuracy. Mid-Atlantic Appraisal Consultants Inc. is a valuation corporation, not a law firm nor provide legal advice. Separate contingency fee arrangements for valuation and legal services are required by law.

Memo

East Goshen Township

Date: July 28, 2021

To: Authorities, Boards and Commissions

From: Susan D'Amore

RE: Future ABC Meetings

Governor Wolf's COVID-19 emergency disaster declaration officially ended back in June. The declaration ending caused the expiration of PA Act 15 of 2020 which means that fully virtual meetings are no longer allowed by law.

This memo is to inform you that as of September 1, 2021, all East Goshen Township ABC meetings must be held **in person**. I will be re-advertising in the Daily Local as needed.

Please let me know if you have any questions.

U:\SDAmore\Letters\ACT 15 of 2020 no longer in effect 072821 memo.docx