

EAST GOSHEN MUNICIPAL AUTHORITY

January 11, 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. December 14, 2020

5. APPROVAL OF INVOICES

Pennoni Invoice #1052455

\$ 66.00

Michael J. Patterson Invoice #

\$ 2,700.00 **Paid**

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. December Financial Report

8. OLD BUSINESS

- a.

9. 2021 Goals:

Goal	Status
Make Sure the Plant is in Compliance	
Continue to Monitor Upgrades at WGSTP and Westtown Way Pump Station	On – going, The Comag project is 35% complete. The next major task is to get the building under roof.
Continue to Implement Infiltration and Inflow for the Sewer System	Currently have 4 portable meters on R.C. Lines Just finished TVing Supplee Valley – on going
Implement planned capital projects:	
Caustic Soda Project	\$152,890 DCED grant awarded. Project to be deferred until 2021- paper should be in our hands this week
Replace sewer line HME	Install metering pit Ridley Creek & Hibberd Land
Hunt Country Pump Station Mag Meter Replacement	2021 – on target
Hunt Country Pump Station Muffin Monster Replacement	2021 – on Target
Hunt Country Pump Station Bypass Pump	2021
Two New RC Permanent Flow Meters	Manhole and flow meter ordered for Hibberd Lane. Two other flow meters deferred till 2021 Flow meter has arrived, waiting on meter pit

10. NEW BUSINESS

- a. Approval of PA Municipal Authorities Assoc. 2021 membership
- b. Pennoni – example industrial pretreatment ordinances
- c. Pennoni – Hershey's Mill Estates pipe assessment

11. CAPACITY REQUESTS

12. ANY OTHER MATTER

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

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

January 8, 2021

To: Municipal Authority
From: Mark Miller
Re: December 2020 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 717,000 per day.

Meters: The meters were read on a daily basis with no problems to report.
Meters are scheduled for calibration at the end of the month.
The portable meters were read once a week.

Sewers: We have been actively looking for infiltration, televising and cleaning multiple lines this month. We started repairing each lateral at the Apple Brook Preserve (Hibberd Land and Grist Mill Lane) so for we have repaired 27 by first checking to see if they are leaking.

Once we determined that the lateral cleanout was not leaking each one was lowered and a new glue on screw cap was installed along with a cost iron box, each lateral was GPS recorded.

We also cleared the interceptor right of ways which had several trees blocking the right of way.

The pump stations kept us busy on Christmas Eve into Christmas day due to the power outages from the high winds and rain. The flows were elevated this month due to the rainfall. Routine maintenance was performed at each station. We had no major problems to report. The pumps that were pulled earlier in the month are still at Deckmen's for repairs.

We have received some odor complaints from residents on Marie Road which is where the Ash Bridge force dumps out. In order to alleviate the problem, we changed the pump "run times" to run more frequently. We also installed charcoal filters in four manholes.

We performed routine maintenance at the sewer plant. The lifting cables for the SBR pumps had started to fail so we replaced the cables with upgraded stainless steel cables.

Hershey Mill Trunk Line:

We have cleaned the trunk line multiple times, the line was televised as reported earlier in the month. Mike Ellis was given the thumb drives so he could review the video and prepare a report for you to decide the next course of action. We installed hard deck matting around the tennis courts so we can easily gain access to the manhole.

Alarms:

We responded to 42 alarms for December.

PA One Calls:

We responded to over 84 PA One Calls for the month of December.

Monthly Rainfall:

6.68 inches for the month of December.

Lateral Caps:

We replaced 4 lateral caps.

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

January 8, 2021

To: Municipal Authority

From: Mark Miller

RE: Year End Report

Below is a breakdown on the work performed on the collection system in 2020:

Installed two new generators at the following locations:

Hershey Mill Pump Station and the Ridley Creek Plant

Installed the Muffin Monster at the Barkway Pump Station

Cleaned and televised 103,350 feet

We completed 16 significant INI repairs (100,000 gallons removed)

Replaced 62 manhole castings and lids

Replaced 90 caps and vents throughout both systems

We repaired 10 laterals by excavation

Pulled all pumps at each pump station which were sent out for repair.

All pumping stations were visited on a daily basis. This has resulted in less emergency call outs

Ridley Creek Plant:

We pulled both utility line water pumps and had them rebuilt

SBR 3 and 4 pumps were pulled and sent out for routine maintenance.

SBR 3 and 4 sludge pumps were pulled out and rebuilt

The centrifuge was rewired so it will now operate on Emergency power

Cleaned and vacuumed the wet well and grit chamber on quarterly basis

We hosted a Trench Safety training and Confined Space training

The total Public Works man-hours for the 2020 year 3,404

Hostallin Generator





Pollins Pumps



Confined Space
School





Trench School

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT**

January 8, 2021

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic Soda Conversion – No activity. We will initiate design work upon confirmation of the grant approval from PA DCED.

Tallmadge Drive Sewer Main Replacement

- The 2-year maintenance bond period ends March 21, 2021.

Ridley Creek Collection System Permanent Meters

- No activity since our last report. We will perform construction phase assistance for the Hibberd Lane permanent meter and manhole if needed during the upcoming installation.
- Design will be prepared for a new RCSTP influent metering manhole in 2021.

Sanitary Sewer Pipe Rehab

- Supplee Valley – We analyzed sewer inspection videos of the Supplee Valley neighborhood sewer system to develop a scope and cost estimate for cured-in-place pipe lining and any other needed repairs to the asbestos cement pipes. A portion of the Supplee Valley sewer system was lined and repaired in 2018, and this evaluation will develop a program for the remainder of the system. There are some additional pipes that Public Works will televise so that we can finalize our analysis and recommendations.
- Hershey's Mill Estates – We performed a field visit with Public Works along the extent of the sewer main between Tanglewood Drive and Greenhill Road, and we reviewed inspection videos of the subject sewers. An assessment and recommendation letter with budgetary cost estimates for rehabilitation will be submitted for consideration at the January MA meeting.

New Connections

- We reviewed a revised financial security cost estimate for on-site private sanitary sewer upgrades and a grinder pump station for the JABIL Finishing Plant expansion at 1303 Goshen Parkway.

Act 537 Planning

- As discussed at the May 2020 MA meeting, the need for an Act 537 Plan Update will be revisited in early 2021.

Industrial Pretreatment Ordinance

- We reviewed the limited industrial waste provisions within the existing Township ordinances. Examples of other municipal ordinances are being reviewed with Public Works for consideration of updating East Goshen's applicable ordinances.

END OF REPORT



Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permit discharge limitations for the month of November 2020. Discharge to the Applebrook irrigation lagoon remained on line. Chemical usage utilized for pH and total alkalinity remained consistent with previous months. No significant mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process. There were no reported odor complaints during the month.

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for outfall 001 for the November 2020 DMR.

Table 1

November 2020- 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	7	44	0.5	3	200	1,000
		40		15							
Sample Date											
November 6, 2020	0.204	2.8	4.8	5	8.5	0.100	0.17	0.13	0.22	1	0.0000
November 10, 2020	0.184	2.0	3.1	5	7.7	0.190	0.29	0.17	0.26	1	0.0000
November 17, 2020	0.19	2.9	4.6			0.354	0.56	0.18	0.29	6	0.7782
November 18, 2020	0.274			1	2.3						
November 24, 2020	0.258	2.4	5.2	5	10.8	0.100	0.22	0.15	0.32	1	0.0000
Average	0.222	2.5	4.4	4	7.3	0.186	0.31	0.16	0.27	2	0.1945
Minimum	0.184	2.0	3.1	1	2.3	0.100	0.17	0.13	0.22	1	0.0000
Maximum	0.274	2.9	5.2	5	10.8	0.354	0.56	0.18	0.32	6	0.7782

Compliance with the NPDES discharge permit was achieved. The monthly average total phosphorus was reported as 0.16 mg/L as compared to the permit limitation of 0.5 mg/L. The TSS samples were consistently in single digits and well below the weekly maximum of 15 mg/L. The monthly average TSS was reported as 4 mg/L as compared to the discharge limitation of 10 mg/L. The TSS weekly averages are presented below in Table 2.



**RCSTP Monthly Operations
Report: January 2021**

Table 2	
November 2020 Final Effluent Weekly TSS Averages	
Week 1	5 mg/L
Week 2	5 mg/L
Week 3	1 mg/L
Week 4	5 mg/L

The final effluent test results demonstrate that the biological treatment process performed well during November and December. Sequencing batch reactors (SBRs) numbered 1, 2 and 3 were in service. SBR 4 remained out of service, however, was placed in service of December 21st to prepare for rainfall on December 25th. 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, continues to remain on line. Table 3 illustrates the Applebrook sample data reported for outfall 002 for the November 2020 DMR.

Table 3

November 2020 - 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 1,000
	Average										
	0.135	25		30		7	44	0.5	3	200	1,000
		40		45							
November 6, 2020	0.1475	2.8	3.4	5	6.2	0.100	0.12	0.13	0.16	1	0.0000
November 10, 2020	0.1352	2.0	2.3	5	5.6	0.190	0.21	0.17	0.19	1	0.0000
November 17, 2020	0.1165	2.9	2.8			0.354	0.34	0.18	0.17	6	0.7782
November 18, 2020	0.1470			1	1.2						
November 24, 2020	0.1515	2.4	3.0	5	6.3	0.100	0.13	0.15	0.19	1	0.0000
Average	0.140	2.5	2.9	4	4.8	0.186	0.20	0.16	0.18	2	0.1945
Minimum	0.117	2.0	2.3	1	1.2	0.100	0.12	0.13	0.16	1	0.0000
Maximum	0.152	2.9	3.4	5	6.3	0.354	0.34	0.18	0.19	6	0.7782



**RCSTP Monthly Operations
Report: January 2021**

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

Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during November 2020.

**Table 4
November 2020 - 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											
November 6, 2020	0.4385	258	944	80	293	38.4	140	45.2	165	5.9	21.6
November 10, 2020	0.3856	237	762	275	884	39.8	128	43.1	139	6.4	20.6
November 17, 2020	0.4343	182.0	659	265	960	37.4	135	38.6	140	5.4	19.6
November 24, 2020	0.4974	216.0	896	233	967	32.1	133	42.0	174	4.2	
Average	0.4390	223	815	213	776	37	134	42.2	154	5.5	20.6
Minimum	0.3856	182	659	80	293	32	128	38.6	139	4.2	19.6
Maximum	0.4974	258	944	275	967	40	140	45.2	174	6.4	21.6

The foam on the SBR surface increased to approximately 80 to 100% 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 7.0 mg/L.

Table 5 illustrates the available data for the final effluent composite sample data reported for outfall 001 for use with the December 2020 DMR.



**RCSTP Monthly Operations
Report: January 2021**

Table 5

December 2020- Final Effluent - Outfall 001											
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										
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		15							
Sample Date											
December 3, 2020	0.280	2.1	4.9	6	14.0	0.217	0.51	0.15	0.35	1	0.0000
December 4, 2020	0.310			5	12.9						
December 8, 2020	0.279	2.2	5.1	6	14.0	0.137	0.32	0.10	0.23	6	0.7782
December 10, 2020	0.297			7	17.3						
December 15, 2020	0.297	2.0	5.0	6	14.9	0.744	1.84	0.10	0.25	5	0.6990
December 21, 2020	0.296			5	12.3						
December 22, 2020	0.338										
December 29, 2020	0.362										
Average	0.307	2.1	5.0	6	14.2	0.366	0.89	0.12	0.28	4	0.4924
Minimum	0.279	2.0	4.9	5	12.3	0.137	0.32	0.10	0.23	1	0.0000
Maximum	0.362	2.2	5.1	7	17.3	0.744	1.84	0.15	0.35	6	0.7782

Table 6 illustrates the available data for the Applebrook composite sample data reported for outfall 002 for use with the December 2020 DMR.

Table 6

December 2020 - 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										
	0.135	25		30		2.5	44	0.5	3	200	1,000
		40		45							
December 3, 2020	0.1541	2.1	2.7	6	7.71	0.217	0.28	0.15	0.19	1	0.0000
December 4, 2020	0.1231			5							
December 8, 2020	0.1427	2.2	2.6	6	7.14	0.137	0.16	0.10	0.12	6	0.7782
December 10, 2020	0.1788			7							
December 15, 2020	0.1408	2.0	2.3	6	7.05	0.744	0.87	0.10	0.12	5	0.6990
December 21, 2020	0.1416			5							
December 22, 2020	0.1498										
December 29, 2020	0.1479										
Average	0.147	2.1	2.6	6	7.3	0.366	0.44	0.12	0.14	4	0.4924
Minimum	0.123	2.0	2.3	5	7.0	0.137	0.16	0.10	0.12	1	0.0000
Maximum	0.179	2.2	2.7	7	7.7	0.744	0.87	0.15	0.19	6	0.7782



**RCSTP Monthly Operations
Report: January 2021**

Table 7 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during December 2020. The influent wastewater pollutant loadings remain within the design criteria for the treatment process and equipment.

Table 7

December 2020 - 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											
December 3, 2020	0.508	219	928	227	962	35.5	150	38.1	161	4.7	19.9
December 8, 2020	0.484	234	945	210	848	31.8	128	89.0	359	6.0	24.2
December 15, 2020	0.445	348.0	1,292	353	1,311	33.0	123	36.9	137	3.5	13.0
December 22, 2020	0.553										
December 29, 2020	0.539										
Average	0.5058	267	1,055	263	1,040	33	134	54.7	219	4.7	19.0
Minimum	0.4452	219	928	210	848	32	123	36.9	137	3.5	13.0
Maximum	0.5527	348	1,292	353	1,311	36	150	89.0	359	6.0	24.2

PA DEP

All missing supplemental forms were uploaded to the corresponding DMR on PADEP's eDMR reporting system. Bill Colins was sent an email on January 6, 2021 to confirm addition of the forms to the DMRs.

All supplemental forms included with the monthly DMR reported submitted on or before the 28th of each month.

Significant Rainfall

During December, there was a mixture of snow and rainfall during the month. There five (5) days when rainfall occurred. Two (2) storm events resulting in a daily precipitation amount equal to or greater than 0.50 inches. These events occurred on:

December 5 th	1.00 inches
December 16 th	4 inches of snow
December 25 th	2.43 inches



**RCSTP Monthly Operations
Report: January 2021**

A total of 4.93 inches of rainfall measured during the month.

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfalls 001 and 002. 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:

December 2020		
Chemical	Daily Average	Total Monthly
Soda Ash	305	9,750
Aluminum Sulfate solution	80.9	2,427

Flow data:

December 2020			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	17.321	558,753	878,050
Influent Wastewater to SBRs*	16.513	532,686	920,448
Internal Recycle**	0.293	36,572	71,896
Treated Effluent to Disc Filters	16.399	528,987	977,024
Final Effluent Discharge	10.003	323,000	709,000
Applebrook Golf Course	4.519	145,783	182,896

During December, the average monthly influent wastewater flow measured at the "field" flow meter was 558,753 gallons/day as compared to the influent flow into the SBRs as 532,686 gallon/day. The difference was 26,066 gallons/day. It is expected that the "field" flow volume would be lower than that of the flow volume into the SBRs as a result of the exclusion of internal recycle flows.

3800-FM-BCW0462 12/2016



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: EAST GOSHEN MUNI AUTH CHESTER CNTY
ADDRESS: 1580 PAOLI PIKE, WEST CHESTER PA, 19380-6107
FACILITY: RIDLEY CREEK STP
LOCATION: 1751 TOWNE DR, WEST CHESTER PA, 19380
STAGE: Final Effluent

PA0050504
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 11/01/2020
DMR Effective To: 11/30/2020
Permit Expires: 04/30/2022
Permit Application Due: 11/01/2021
No Discharge: ☐

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2020	11	01	TO 2020	11	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.66	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***		5.0 Min	***	***		1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.97	***	7.33	S.U.	1/day	Grab
	Permit Requirement	***	***		6.0 Min	***	9.0 Max		1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	7	11	lbs/day	***	4.0	5.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	62 Avg Mo	94 Wly Avg		***	10.0 Avg Mo	15.0 Wly Avg		1/week	24-Hr Composite
Ammonia-Nitrogen (00510) (Nov-Apr)	Sample Measurement	< .3	***	lbs/day	***	< 2	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	44 Avg Mo	***		***	7.0 Avg Mo	***		1/week	24-Hr Composite
Total Phosphorus (00650)	Sample Measurement	.3	***	lbs/day	***	2	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	3.0 Avg Mo	***		***	5 Avg Mo	***		1/week	24-Hr Composite
Flow (50050)	Sample Measurement	241	57	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max		***	***	***		Continuous	Measured
Fecal Coliform (74050)	Sample Measurement	***	***	***	***	< 2	6	CFLU/100 ml	1/week	Grab
	Permit Requirement	***	***		***	200 Geo Mean	1000 IMAX		1/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (60082) (Nov-Apr)	Sample Measurement	< 4	5	lbs/day	***	< 3	3	mg/L	1/week	24-Hr Composite
	Permit Requirement	125 Avg Mo	168 Wly Avg		***	20 Avg Mo	30 Wly Avg		1/week	24-Hr Composite
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: EAST GOSHEN MUNI AUTH CHESTER CNTY
ADDRESS: 1580 PAOLI PIKE, WEST CHESTER PA, 19380-5107
FACILITY: RIDLEY CREEK STP
LOCATION: 1751 TOWNE DR, WEST CHESTER PA, 19380
STAGE: Final Effluent

PA0050504	002
PERMIT NUMBER	OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 11/01/2020
DMR Effective To: 11/30/2020
Permit Expires: 04/30/2022
Permit Application Due: 11/01/2021
No Discharge: ☐

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
FROM 2020	11	01	TO 2020	11	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Dissolved Oxygen (00300)	Sample Measurement	***	***	***	8.66	***	***	mg/L	1/day	Grab
	Permit Requirement	***	***	***	5.0 Min	***	***	***	1/day	Grab
pH (00400)	Sample Measurement	***	***	***	6.97	***	7.33	S.U.	1/day	Grab
	Permit Requirement	***	***	***	6.0 Min	***	9.0 Max	***	1/day	Grab
Total Suspended Solids (00530)	Sample Measurement	5.0	6.0	lbs/day	***	4.0	5.0	mg/L	1/week	24-Hr Composite
	Permit Requirement	62 Avg Mo	94 Wkly Avg	***	***	10.0 Avg Mo	15.0 Wkly Avg	***	1/week	24-Hr Composite
Ammonia-Nitrogen (00610) (Nov-Apr)	Sample Measurement	< .2	***	lbs/day	***	< 2	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	44 Avg Mo	***	***	***	7.0 Avg Mo	***	***	1/week	24-Hr Composite
Total Phosphorus (00665)	Sample Measurement	.2	***	lbs/day	***	2	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	3.0 Avg Mo	***	***	***	5 Avg Mo	***	***	1/week	24-Hr Composite
Flow (50050)	Sample Measurement	.14222	.169488	MGD	***	***	***	***	Continuous	Measured
	Permit Requirement	Monitor & Report Avg Mo	Monitor & Report Daily Max	***	***	***	***	***	Continuous	Measured
Fecal Coliform (74050)	Sample Measurement	***	***	***	***	< 2.0	6	CFU/100 ml	1/week	Grab
	Permit Requirement	***	***	***	***	200 Geo Mean	1000 IMAX	***	1/week	Grab
Carbonaceous Biochemical Oxygen Demand (CBOD5) (00082) (Nov-Apr)	Sample Measurement	< 3	3	lbs/day	***	< 3	3	mg/L	1/week	24-Hr Composite
	Permit Requirement	125 Avg Mo	168 Wkly Avg	***	***	20 Avg Mo	30 Wkly Avg	***	1/week	24-Hr Composite
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

NAME: EAST GOSHEN MUNI AUTH CHESTER CNTY
ADDRESS: 1580 PAOLI PIKE, WEST CHESTER PA, 19380-6107
FACILITY: RIDLEY CREEK STP
LOCATION: 1751 TOWNE DR, WEST CHESTER PA, 19380
STAGE: Raw Sewage Influent

PA0050504
PERMIT NUMBER

001
OUTFALL NUMBER

Reporting Frequency: Monthly
DMR Effective From: 11/01/2020
DMR Effective To: 11/30/2020
Permit Expires: 04/30/2022
Permit Application Due: 11/01/2021
No Discharge: ☐

MONITORING PERIOD						
YEAR	MO	DAY	TO	YEAR	MO	DAY
2020	11	01		2020	11	30

PARAMETERS REPORTED VALUES

PARAMETER		QUANTITY OR LOADING			QUANTITY OR CONCENTRATION				SAMPLING FREQUENCY	SAMPLING TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		
Biochemical Oxygen Demand (BOD5) (00310)	Sample Measurement	389	***	lbs/day	***	223	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Total Suspended Solids (TSS) (00530)	Sample Measurement	370	***	lbs/day	***	213	***	mg/L	1/week	24-Hr Composite
	Permit Requirement	Monitor & Report Avg Mo	***		***	Monitor & Report Avg Mo	***		1/week	24-Hr Composite
Facility Sampling Point Comments										

3800-FM-BCW0462 12/2016



COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF CLEAN WATER
DISCHARGE MONITORING REPORT (DMR)

ATTACHMENT DETAILS

File Name	Attachment Type	Uploaded Time	Attachment Comments
2020 Nov Influent Control Form.xls	Influent and Process Control Form	2020-12-27T16:35:58-05:00	
2020 Nov eDMR 001.xlsx	Daily Effluent Monitoring Form	2020-12-27T16:34:19-05:00	
Nov 2020 SSRL.xls	Sewage Sludge / Biosolids Production and Disposal Form	2020-12-27T16:37:05-05:00	
2020 Nov eDMR 002.xlsx	Daily Effluent Monitoring Form	2020-12-27T16:34:57-05:00	

PERMIT VIOLATIONS

Non-Compliance ID	Event Start Date	Event End Date	Parameter	Limit Type	Reported Value	Permit Limit	Unit	Sampling Point	Cause Of Non-Compliance	Corrective Action	Comments
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UNAUTHORIZED DISCHARGES

Non-Compliance ID	Event Start Date	Event End Date	Date and Time Discovered	Substance Discharged	Event Location	Volume (gal)	Duration (hrs)	Receiving Waters	Impact On Waters	Cause Of Discharge	Date and Time DEP Notified Orally	Comments
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OTHER PERMIT VIOLATIONS

Non-Compliance ID	Non-Compliance Type	Sampling Point	Parameter	Reported Value	Permit Limit	Comments
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COMMENT DETAILS

Comments	Operator Name	Operator Certification Number	Operator Contact Number
	Scott A. Towler	T0390	(349)-325-3282

SUBMISSION INFORMATION

SUBMITTED BY GREENPORT USER	Comments	Scott Towler	TELEPHONE		DATE		
			(484)	401-4198	2020	12	27
towler.sc	*Pursuant to the Pennsylvania Electronic Transactions Act - Act 69, effective January 15, 2002, you are about to engage in an electronic transaction with the Commonwealth of Pennsylvania. You are submitting official information. You certify under penalty of law that this document and all attachments were prepared under your direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on your inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of your knowledge and belief, true, accurate and complete. You are aware that any false statement may be subject to substantial civil and criminal penalties, including 18 P.S. section 4904 (relating to unsworn falsification to authorities).	SUBMITTED BY FULL NAME	AREA CODE	NUMBER	YEAR	MO	DAY



SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3800-FM-BCW0435 3/2012

Facility Name: Ridley Creek STP
Municipality: East Goshen Township County: Chester
Watershed: _____
Laboratories: ALS

Month: 11 (select number) Year: 2019
Permit No.: PA0060504 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2022

Laboratories:ALS

This permit will expire on: 12/31/2024

Parameter			Flow	pH		TSS		NH3-N		Total Phosphorus		Fecal Coliform		Dissolved Oxygen		CBOD5		TSS		BOD5						
Stage			1	1		1		1		1		1		1		1		RI		RI						
Week	Day	Date	MGD	Q	S.U.	Q	mg/L	Q	mg/L	Q	mg/L	Q	CFU/100 ml	Q	mg/L	Q	mg/L	Q	mg/L	Q	mg/L	Q		Q		
1	Fri	11/1/19	0.25		7.33										8.83											
	Sat	11/2/19	0.21		7.29										8.99											
	Sun	11/3/19	0.22		7.29										9.01											
	Mon	11/4/19	0.212		7.3										9.17											
	Tue	11/5/19	0.234		7.25										9.05											
	Wed	11/6/19	0.204		7.17		5.0		0.1		0.16		1.0		8.95		2.8		80.0		258.0					
	Thu	11/7/19	0.184		7.27										8.39											
	Fri	11/8/19	0.189		7.24										8.59											
	Sat	11/9/19	0.188		7.29										8.6											
	Sun	11/10/19	0.184		7.3		5.0		0.19		0.19		1.0		8.64		2.0		275.0		237.0					
2	Mon	11/11/19	0.244		7.08										8.36											
	Tue	11/12/19	0.255		7.01										8.21											
	Wed	11/13/19	0.263		7.05										8.56											
	Thu	11/14/19	0.233		6.97										8.79											
	Fri	11/15/19	0.256		7.16										8.79											
	Sat	11/16/19	0.235		7.18										8.95											
	Sun	11/17/19	0.19		7.09				0.354		0.17		6.0		8.92		2.9		265.0		182.0					
	Mon	11/18/19	0.274		7.11		1.0								8.89											
	Tue	11/19/19	0.301		7.16										9.26											
	Wed	11/20/19	0.194		7.11										9.06											
	Thu	11/21/19	0.186		7.04										8.78											
	Fri	11/22/19	0.233		7.26										8.53											
	Sat	11/23/19	0.271		7.09										8.1											
	Sun	11/24/19	0.258		7.18		5.0		0.1		0.19		1.0		8.66		2.4		233.0		216.0					
	Mon	11/25/19	0.22		7.16										8.71											
	Tue	11/26/19	0.32		7.07										8.11											
	Wed	11/27/19	0.194		7.27										8.28											
	Thu	11/28/19	0.212		7.17										7.96											
	Fri	11/29/19	0.237		7.23										8.42											
	Sat	11/30/19	0.57		7.16										7.89											
5																										
Statistics for DMR																										
Daily Minimum (Conc.):			###	6.97	###	1	###	0.1	###	0.16	###	1	###	7.69	###	2	###	80	###	162						
Daily Maximum (Conc.):			###	7.33	###	5	###	0.354	###	0.19	###	6	###	9.26	###	2.9	###	275	###	258						
Max Avg Weekly (Conc.):					###	5.0	###	0.354	###	0.19			###	8.95	###	3	###	275	###	258						
Avg Monthly (Conc.):					###	#REF!	###	#REF!	###	#REF!			###	#REF!	###	#REF!	###	#REF!	###	#REF!						
Geometric Mean (Conc.):											###	2														
Max Avg Weekly (Load):			0.244	#REF!	###	11	###	0.6	###	0.4			###	17	###	5	###	501	###	465						
Avg Monthly (Load):			0.241	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!		#REF!		#REF!
Total Monthly (Load):			7.221	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!		#REF!		#REF!
Daily Minimum (Load):			0.184	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!		#REF!		#REF!
Daily Maximum (Load):			0.57	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!		#REF!		#REF!

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Scott A. Towler
Title: Operator

License No.: T0390
Date: 12/11/2020



SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING

3600-FM-BCW0435 3/2012

Facility Name: Ridley Creek STP
Municipality: East Goshen Township County: Chester
Watershed: _____
Laboratories: ALS

Month: 11 (select number) Year: 2019
Permit No.: PA0060504 Outfall: 001
Renewal application due 180 days prior to expiration.
This permit will expire on: April 30, 2022

Parameter			Flow	pH	TSS	NH3-N	Total Phosphorus	Fecal Coliform	Dissolved Oxygen	CBOD5	TSS	BOD5				
Stage			1	1	1	1	1	1	1	1	RI	RI				
Week	Day	Date	MGD	q	q	q	q	q	q	q	q	q	q	q	q	q
			S.U.		mg/L		mg/L		CFU/100 ml		mg/L		mg/L		mg/L	
1	Fri	11/1/19	0.14592		7.33						8.83					
	Sat	11/2/19	0.14125		7.29						8.99					
	Sun	11/3/19	0.14981		7.29						9.01					
	Mon	11/4/19	0.15078		7.3						9.17					
	Tue	11/5/19	0.15352		7.25						9.05					
2	Wed	11/6/19	0.14747		7.17	5.0	0.1	0.16	1.0		8.95	2.8	80.0	258.0		
	Thu	11/7/19	0.13307		7.27						8.39					
	Fri	11/8/19	0.13795		7.24						8.59					
	Sat	11/9/19	0.14179		7.29						8.6					
	Sun	11/10/19	0.13518		7.3	5.0	0.19	0.19	1.0		8.64	2.0	275.0	237.0		
3	Mon	11/11/19	0.15022		7.08						8.36					
	Tue	11/12/19	0.1433		7.01						8.21					
	Wed	11/13/19	0.14528		7.05						8.56					
	Thu	11/14/19	0.13093		6.97						8.79					
	Fri	11/15/19	0.14288		7.16						8.79					
4	Sat	11/16/19	0.13208		7.18						8.95					
	Sun	11/17/19	0.11651		7.09		0.354	0.17	6.0		8.92	2.9	265.0	182.0		
	Mon	11/18/19	0.14702		7.11	1.0					8.89					
	Tue	11/19/19	0.14578		7.16						9.26					
	Wed	11/20/19	0.14067		7.11						9.06					
5	Thu	11/21/19	0.13123		7.04						8.78					
	Fri	11/22/19	0.15442		7.26						8.83					
	Sat	11/23/19	0.14712		7.09						8.1					
	Sun	11/24/19	0.15147		7.18	5.0	0.1	0.19	1.0		8.66	2.4	233.0	216.0		
	Mon	11/25/19	0.13746		7.16						8.71					
	Tue	11/26/19	0.18949		7.07						8.11					
	Wed	11/27/19	0.1177		7.27						8.28					
	Thu	11/28/19	0.12131		7.17						7.96					
	Fri	11/29/19	0.14898		7.23						8.42					
	Sat	11/30/19	0.136		7.16						7.89					

Statistics for DMR

Daily Minimum (Conc.):	###	6.07	###	1	###	0.1	###	0.16	###	1	###	7.89	###	2	###	80	###	182		
Daily Maximum (Conc.):	###	7.33	###	5	###	0.354	###	0.19	###	6	###	9.26	###	2.9	###	275	###	258		
Max Avg Weekly (Conc.):			###	5.0	###	0.354	###	0.19	###		###	8.95	###	3	###	275	###	258		
Avg Monthly (Conc.):			###	#REF!	###	#REF!	###	#REF!	###		###	#REF!	###	#REF!	###	#REF!	###	#REF!		
Geometric Mean (Conc.):																				
Max Avg Weekly (Load):	0.145975		#REF!	###	6	###	0.3	###	0.2		###	11	###	3	###	310	###	317		
Avg Monthly (Load):	0.14222		#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!
Total Monthly (Load):	4.266592		#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!
Daily Minimum (Load):	0.116512		#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!
Daily Maximum (Load):	0.189488		#REF!	###	#REF!	###	#REF!	###	#REF!		#REF!	###	#REF!	###	#REF!	#REF!	###	#REF!	#REF!	#REF!

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Scott A. Towler
Title: Operator

License No.: T0390
Date: 12/11/2020



SUPPLEMENTAL REPORT - INFLUENT & PROCESS CONTROL

3800-FM-BCW0436 3/2012

Facility Name: Ridley Creek Sewage Treatment Plant
Municipality: East Goshen Township County: Chester
Watershed: 3-G

Month: November Year: 2020
NPDES Permit No.: PA0050504
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2022

Day	Influent					Process Control				
	Flow (MGD)	BOD ₅ (mg/l)	BOD ₅ (lbs)	TSS (mg/l)	TSS (lbs)	Aeration MLSS (mg/l)	Aeration DO (mg/l)	Sludge Wasted (gallons)		
1	0.5748									
2	0.434									
3	0.4768									
4	0.4845									
5	0.4897									
6	0.4385	258.0	943	80.0	293					
7	0.4002									
8	0.4791									
9	0.463									
10	0.3856	237.0	762	275.0	884					
11	0.5466									
12	0.5421									
13	0.4746									
14	0.4152									
15	0.5131									
16	0.4722									
17	0.4343	182.0	659	265.0	960					
18	0.4695									
19	0.5186									
20	0.4119									
21	0.3885									
22	0.6211									
23	0.5084									
24	0.4974	216.0	896	233.0	967					
25	0.4823									
26	0.7821									
27	0.3722									
28	0.384									
29	0.5716									
30	1.3177									
31										
Avg	0.512	223	815	213	776					
Max	1.318	258	943	275	884					

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Scott A Towler
Title: Plant Operator

License No.: T0390
Date: 11/12/2020

SUPPLEMENTAL REPORT
SEWAGE SLUDGE / BIOSOLIDS PRODUCTION AND DISPOSAL

Month: November Year: 2020
NPDES Permit No.: PA0050504
Renewal application due 180 days prior to expiration
This permit will expire on: April 30, 2022

SEWAGE SLUDGE / BIOSOLIDS PRODUCTION INFORMATION (Identify each off-site removal event and incineration event)

☐ Check here if there were no off-site removal events during the month[illegible]

TOTAL:

TOTAL: 3.862

TOTAL:

SEWAGE SLUDGE / BIOSOLIDS AND INCINERATOR ASH DISPOSAL AND BENEFICIAL USE INFORMATION
(Identify all sites where biosolids or ash were disposed or land applied)

(Identify all sites where biosolids or ash were disposed or land applied)				
Site Name	Lanchester Landfill			
Municipality	Honeybrook			
County	Chester			
DEP Permit No.	PA0050504			
Type of Material*	biosolids			
Dry Tons Applied/Disposed	3.86			
Type of Disposal/Use*	landfill			
Hauler Name	Charles Blosenski Disposal			

* See Instructions for explanation.

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Scott A. Towler
Title: Plant Operator

License No.: T0390
Date: December 14, 2020

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
December 14, 2020

The East Goshen Township Municipal Authority held their regular meeting on Monday, December 14, 2020 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 Phil Mayer, Jack Yahraes, Kevin Cummings, Dana Pizarro and Walter Wujcik. Also in attendance were: Mark Miller (Director of Public Works), Chris Boylan (Interim Finance Dir.) Mike Ellis (Pennoni), Robert Jefferson (Gawthrop), Michael Lynch (Township Supervisor) and Scott Towler (Plant Operator).

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

Phil called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember our medical and healthcare staffs, first responders and troops who will be away for Christmas. Phil asked if anyone would be recording the meeting. There was no response.

Chairman's Report

1. Phil reported that the West Goshen Sewer Plant is in compliance. Construction is ongoing.
2. Mark and Rick Smith met with Mike Mapa of West Goshen last week. They presented a letter with a review of the increased cost of the pump station. They are waiting to hear from West Goshen.

Sewer Reports

1. Director of Public Works, Mark Miller's report for November 2020

Monthly Flows: The average daily flow to West Goshen was 707,000 per day.

Meters: The meters were read on a daily basis. The flows are high due to the significant rain events. I noticed a problem with the Ashbridge pump station, the meter was reading low. John Laidly was called to come out to make the repair. The portable meters were read as well. We had Allied Control come out to trouble shoot all four of the meters. They were all put back in service.

CC Collection: The stations were visited on a daily basis. We had a problem at Hunt Country with multiple high flow alarms. We found the FOG rod level sensor was dislodged. This caused the rod to give false alarms. The rod was set back into position and returned to normal

1 condition. The pumps were pulled and sent out to Deckmens. We had all the stations washed
2 down and vacuumed out.

3 We received some odor complaints in White Chimneys Development. We installed a few
4 charcoal filters in the manholes to help with reducing the odors.

5 We were notified on Thanksgiving Day of a possible sewer blockage at Dutts Mill Town Homes.
6 Upon arrival I found sewage seeping out of the embankment. We poked around and located a
7 blocked lateral line. The blockage was cleared. I explained to the HOA President that this was
8 not our responsibility and recommended that they have the sewer lines cleaned and televised.
9 They have contracted with Pipe Data View to perform the work.

10 R.C. Collection: The stations were visited on a daily basis, wet wells were cleaned and
11 vacuumed. All pumps were pulled and switched out and sent to Deckmens. The fencing for the
12 generator at Hershey Mill has been completed. The new safety handrail was completed. I
13 would add that the railing was fabricated in house.

14 On Saturday December 5th at 7:30 I was checking my e-mails when I found an e-mail from a
15 resident stating he had a sewer blockage. I called him immediately to see what had happened.
16 He told me he had sewage backing up into his home. I contacted the oncall men who responded
17 and after several attempts to plunge it, they made the decision to run the jetter up the main
18 which solved the problem. They decided to run the root cutter down the lateral which cleared
19 the clog. They televised the line and found that the lateral was broken 4' off the main. We
20 excavated the main and repaired 25' of the lateral.

21 Aqua Water will be replacing the waterlines in Ashbridge Farms so we located the Force Main
22 in eight locations. We also cleaned and televised the sewer lines and marked out all the laterals.

23 Hershey Mill Trunk Line – On Dec. 5th I received an email for a resident at 1556 Tanglewood
24 Drive stating that there was sewage backing up into his home. Plunging the lateral did not clear
25 the line. Public Works brought in additional manpower to jet the sewer main. They were able
26 to clear the lateral, however, after televising the lateral we found that the pipe appeared to have
27 dropped. We excavated on Monday and found that the whole sewer main had dropped and, the
28 line was so low, we had a heavy build up. We slipped line this section of pipe approx. 20 years
29 ago. Once they slipped line the cement pipe they came back and cut the wye's in, however, they
30 did not support the pipe, therefore allowing the wye to drop. We undercut the pipe by hand
31 and placed bags of concrete under the wye and main pipe. We then connected the sewer lateral
32 which was easier said than done! So, now we leaned the main again and removed 5 buckets of
33 grease. Our camera will not fit into the slip line pipe, so Pipe Data will clean and televise the
34 entire trunk line. I will e-mail you on Dec. 16th to explain our findings. With what I saw
35 yesterday Dec. 7th I would recommend that Mike Ellis start designing to replace the line from
36 Manhole R84 to R82. There are several hurdles to figure out, first is heavy ground water and
37 stream which is over top of the sewer line.

38 R.C.Plant: Minor maintenance was performed.

1 Alarms: We responded to 24 alarms in November.
2 PA One Calls: We responded to over 77 PA One Calls for the month of November.
3 Rainfall: 5.75 inches for the month of November.
4 Lateral Caps: We replaced 4 lateral caps.
5
6

7 **2. Pennoni Engineer's Report for November dated December 11, 2020**

8 **Invoices**

- 9 • Invoices with summaries are provided under separate cover.

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

- 11 • Caustic Soda Conversion – No activity. We will initiate design work upon confirmation of the grant
12 approval from PA DCED.

13 **Tallmadge Drive Sewer Main Replacement**

- 14 • The 2-year maintenance bond period ends March 21, 2021.

15 **I&I Support and Reporting**

- 16 • We reviewed meter data from the new portable meter locations in the Ridley Creek collection
17 system.

18 **Ridley Creek Collection System Permanent Meters**

- 19 • No activity since our last report. We will perform construction phase assistance for the Hibberd Lane
20 permanent meter and manhole if needed.
- 21 • Design will be prepared for a new RCSTP influent metering manhole in 2021.

22 **AC Pipe Repairs**

- 23 • Supplee Valley – We began analyzing sewer inspection videos of the Supplee Valley neighborhood
24 sewer system to develop a scope and cost estimate for cured-in-place pipe lining and any other
25 needed repairs to the asbestos cement pipes. A portion of the Supplee Valley sewer system was lined
26 and repaired in 2018, and this evaluation will develop a program for the remainder of the system.
- 27 • Tanglewood Drive – We met with Mark for an initial site visit due to apparent sewer settlement and
28 pipe deficiencies. We provided a budgetary cost estimate to replace the entirety of the ±3,100 LF
29 sewer mains and 17 manholes between Tanglewood Drive and the Hershey's Mill Pump Station. The
30 need and extent of repairs or replacement will be determined following TV inspection of the sewers.

31 **New Connections**

- 32 • We reviewed a plan and financial security cost estimate for on-site private sanitary sewer upgrades
33 and a grinder pump station for the JABIL Finishing Plant expansion at 1303 Goshen Parkway.

34 **Act 537 Planning**

- 35 • As discussed at the May MA meeting, the need for an Act 537 Plan Update will be revisited in early
36 2021.
- 37 •

1 **Westtown Way Pump Station**

- 2 • No activity since our last report.

3 There was discussion about the JABIL expansion at 1303 Goshen Parkway. Mike commented that it
4 is a pH situation which will hook into their existing system in the building. He just met with them
5 today and needs to see more. Kevin asked that this be put on next month's agenda.

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

8 Scott's report showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance
9 with the permit discharge limitations for the month of October 2020. Discharge to the Applebrook
10 irrigation lagoon remained online. Chemical usage utilized for pH and total alkalinity remained
11 consistent with previous months. No significant mechanical or operational issues were observed
12 during operation of sludge dewatering equipment or SBR treatment process. There were no reported
13 odor complaints during the month. The results of the DEP inspection were discussed. Scott
14 mentioned that there is 60 days to reconcile the information for DEP. He explained what he needs to
15 do to respond to DEP. Chris commented that regarding the findings in the DEP letter what changes
16 has he made. Scott mentioned that in the past, he was the only one gathering the information, but
17 now Matt will help compile this information. It is a monthly report.
18 Walter and Dana pointed out some corrections that need to be made on his report for the Municipal
19 Authority.
20 Kevin thinks that Rick Smith should send a reply to the DEP stating that the information required will
21 come from our contractor. Chris will check with Rick.

22
23 **Approval of Minutes**

24 Jack moved to approve the November 9, 2020 minutes as amended. Walter seconded the motion.
25 The motion passed unanimously.

26
27 **Approval of Invoices**

28 Kevin moved to approve payment of the 5 invoices totaling \$5,030.65 as listed on the agenda.
29 Dana seconded the motion. There was no discussion. The motion passed unanimously.
30 Regarding the refund of \$447.90 from Teledyne, Chris explained that a paid invoice in October
31 included sales tax, so that is coming back to the township.

32
33 **Liaison Reports**

34 1. Board of Supervisors – Mike Lynch commented that on December 15th they will probably adopt
35 the proposed 2021 budget. It's been a challenging year with a deficit of \$800,000, which they have
36 been able to reduce to \$200,000. Thursday the BOS is meeting to conduct interviews for Financial
37 Director. There are three candidates. The continued interest by the PipeLine Task Force in a
38 possible incidence at Bowtree, has resulted in an inspection by Sunoco.

39 2. Conservancy Board – Walter mentioned that the Board members did the Clymers Woods
40 maintenance Saturday but without the assistance of the boy scouts because of COVID-19 restrictions.

41
42 **Financial Reports**

43 Chris Boylan provided the following report:

44 In November, the Municipal Authority recorded \$17,764 in revenues (from transfers) and \$17,571 in
45 expenses for a positive variance of \$193. As of November 30, the fund balance was \$5,9597. She
46 commented that if anyone had any changes to the format of the report, to let her know. Also, the
47 annual ABC meeting will be held Tuesday, January 26, 2021 at 6:30 pm.

1
2 **Old Business**

3 Phil has prepared an article for the newsletter about the changes made at the plant.
4

5 **Goals**

6 Goals for 2020 were reviewed and all are ongoing for 2021
7

8 **New Business**

9 1. 2021 Proposed Fee from Pennoni – Phil commented that the estimated fee looks the same for 2021
10 just 2.5 % increase. Mike thanked the Municipal Authority members for their business. After
11 discussion, Kevin proposed that the Municipal Authority accept Pennoni for engineering services and
12 delay approval of the rates until the Board of Supervisors has approved Pennoni and the rates. Dana
13 seconded the motion. Dana mentioned that he checked rates in this area and this increase is lower.
14 Chris will prepare a list of 2020 vs 2021 rates.
15

16 2. 2021 proposed fee from Gawthrop Greenwood, PC – Rob commented that there are no proposed
17 changes. The fees are the same for 2021 as for 2020. Dana moved to approve reappointment of
18 Gawthrop Greenwood, PC as legal counsel for the Municipal Authority for 2021. Walter seconded
19 the motion. The motion passed unanimously.
20

21 **Any Other Matter**

22 None
23

24 **Adjournment**

25 There being no further business Jack moved to adjourn the meeting. Walter seconded the motion.
26 The motion passed unanimously. The meeting was adjourned at 8:05 pm.
27 The next regular meeting will be held on Monday, January 11, 2021 at 7:00 pm.
28

29 Respectfully submitted,
30

31
32 Ruth Kiefer, Recording Secretary



INVOICE

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

Rick Smith
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice No : 1052455
Invoice Date : 12/21/2020
Project : EGMAU20001
Project Name : 2020 General
Services

For Services Rendered Through 12/06/2020

Initiate Supplee Valley sewer video analysis and prepare for December MA meeting.

Billing Limits	Current	Prior	To-Date
Total Billings	66.00	25,244.75	25,310.75
Limit			28,000.00
Remaining			2,689.25

Labor

	Hours	Rate	Amount
Authority Engineer	.50	132.00	66.00
Totals	.50		66.00
Total Labor			66.00
Total this Invoice			\$66.00

1-8-2021
ok MLH

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

East Goshen Municipal Authority
EGMAU20001 Invoice Summary
Invoice Date 12/21/2020

Project: EGMAU20001
Pennoni Job No.: 2020 General Services
Invoice No: 1052455
Invoice Period: 11/16/2020 to 12/6/2020
Initial Authorization: \$ 28,000.00 **Date:** 12/21/2020
Contract Amount: \$ 28,000.00
Previously Invoiced: \$ 25,244.75
Current Invoice: \$ 66.00
Invoiced to Date (\$): \$ 25,310.75
Invoiced to Date (%): 90%
Remaining Budget (\$): \$ 2,689.25
Remaining Budget (%): 10%

Budget by Phase:

Phase Name: 2020 General Services
Phase Budget: \$ 28,000.00
Previously Invoiced: \$ 25,244.75
Current Invoice: \$ 66.00
Invoiced to Date (\$): \$ 25,310.75
Invoiced to Date (%): 90%
Remaining Budget (\$): \$ 2,689.25
Remaining Budget (%): 10%

Comments: Initiate Supplee Valley sewer video analysis and prepare for December MA meeting.

Michael J Patterson
Home Improvements & Carpentry
6604 Penn Ave
Wernersville, PA 19565
484 256 4128 / HIC # PA043843

CONTRACTORS INVOICE

63864

WORK PERFORMED AT:

TO:
East Goshen Twp.
1580 Paoli Pike
West Chester, PA 19380

1460 Greenhill Rd
Pump Station/Back up Generator
610 692 7171

DATE 12/02/2020	YOUR WORK ORDER NO. N/A	OUR BID NO. N/A
--------------------	----------------------------	--------------------

DESCRIPTION OF WORK PERFORMED

The Contractor provided the labor & materials to complete the following task(s):

- 1) Install up to (45) forty five linear feet of (8) eight foot tall, standard grade pressure treated wood shadowbox style fence with dogeared picket tops.
 - a) - (5" x 5") five by five inch posts were cemented in the ground.
 - b) - (2" x 4") two by four inch rails were fastened to the posts.
 - c) - (1" x 6") One inch by six inch pickets were fastened to the rails to complete the fence.

PAID

Xfer \$
MA-copy

APPROVED BY: _____
DATE PAID: _____
CHECK #: _____
CHARGED TO: 07429 1505

Thank you,

Mike Patterson
Michael J Patterson
12/02/2020

All Material is guaranteed to be as specified, and the above work was performed in accordance with the drawings and specifications provided for the above work and was completed in a substantial workmanlike manner for the agreed sum of

Two thousand & seven hundred ~~00~~ Dollars (\$ 2,700.00)

This is a ☐ Partial ☒ Full invoice due and payable by: 01 Month 02 Day 2021 Year

in accordance with our ☒ Agreement ☐ Proposal No. N/A Dated N/A Month Day Year

Memo

To: Municipal Authority
From: Chris Boylan
Re: MA November Financial Report
Date: January 7, 2021

In December, 2020, the Municipal Authority recorded \$25,827 in revenues (from transfers) and \$25,414 in expenses, for a positive variance of \$413. As of December 30, 2020, the fund balance was \$6,372.

A complete list of 2020 YTD MA revenues and expenses is attached.

Importantly, the Board of Supervisors, at their January 4, 2021 meeting, requested new rates from Pennoni and passed a motion to accept their 2021 Engineering rates, conditionally upon Pennoni's revised rates not to exceed the cost of living rate of 1.3%. On January 6, 2021, Pennoni provided revised 2021 rates, at an overall 1.3% increase over their 2020 rates. Included in this packet are the revised Pennoni 2021 rates, along with email communications from Mike Lynch and Michele Truitt that I was asked to share with the Municipal Authority.

I will "see" you all at the meeting on Monday, January 11, 2020 at 7PM.

EAST GOSHEN TOWNSHIP
Other Funds
December 2020
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
<hr/>								
REVENUE								
INTEREST EARNINGS	07341 1000			(213.29)	(213.29)		(34.25)	(34.25)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020							
DCED GRANT	07354 0400			3,231.00	3,231.00			
C.C. TAPPING FEES	07364 1100							
R.C.TAPPING FEES	07364 1110			7,148.00	7,148.00			
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130			1,275.52	1,275.52			
MISCELLANEOUS REVENUE	07380 1000	565	565	564.48	(0.52)	47		(47.08)
TRANSFER FROM GENERAL ACCT	07392 0100							
TRANSFER FROM SEWER OPERATING	07392 0500	319,435	319,435	56,885.33	(262,549.67)	26,620	9,161.72	(17,457.86)
TRANSFER FROM SEWER CAP RESV	07392 0501	277,000	277,000	310,428.49	33,428.49	23,083	16,700.00	(6,383.33)
TRANSFER-ANNUAL CAP.RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900							
<hr/>								
TOTAL REVENUE		597,000	597,000	379,319.53	(217,680.47)	49,750	25,827.47	(23,922.53)
<hr/>								
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	32,000	32,000	31,057.78	942.22	2,667	7,404.46	(4,737.79)
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000			678.00	(678.00)			
MUNIC.AUTH.-AUDITING	07424 3110			9,300.00	(9,300.00)			
ENGINEERING SERVICES	07424 3130	60,000	60,000	44,550.00	15,450.00	5,000	1,157.25	3,842.75
LEGAL SERVICES	07424 3140	8,000	8,000	6,276.16	1,723.84	667	600.00	66.67
N.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			33,729.60	(33,729.60)		(447.90)	447.90
CAPITAL REPLACEMENT ASHBRIDGE	07424 7491							
HERSHEY MILL STATION - ENGINEER	07426 1000			6,294.49	(6,294.49)			
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALLMADGE DRIVE	07426 3000							

EAST GOSHEN TOWNSHIP
Other Funds
December 2020
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			2,810.99	(2,810.99)			
HERSHEYS MILL PUMP STATION CAPITAL	07429 1503	45,000	45,000	78,225.06	(33,225.06)	3,750		3,750.00
HUNT CO PUMP STATION CAPITAL	07429 1504	87,000	87,000		87,000.00	7,250		7,250.00
RCSTP CAPITAL	07429 1505	365,000	365,000	184,897.68	180,102.32	30,417	16,700.00	13,716.67
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LBAL	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							
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		597,000	597,000	397,819.76	199,180.24	49,750	25,413.81	24,336.19
NET RESULT FROM OPERATIONS				(18,500.23)	(18,500.23)		413.66	413.66

2020 Year to Date Municipal Authority Revenues and Expenses

Account #	Description	Per	Src	Trx#	Debits	Credits	Balance	Date	Check#	ID #	Name	Description	Description 2
07341-1000	BEGINNING BALANCE						0						
07341-1000	INTEREST EARNINGS	2001 JE		71900	15	0	0	1/2/2020	BANK FEES		REIMBURSE S/R FOR DEC.2019	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2001 JE		72336	0	0.65	0	1/31/2020	INTEREST		INTEREST EARNED JANUARY 2020		
07341-1000	INTEREST EARNINGS	2002 JE		72347	15	0	0	2/4/2020	REIMB.FEES		REIMBURSE S/R FOR JANUARY 2020	ACH & POSITIVE PAY BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2002 JE		72762	0	0.64	0	2/29/2020	INTEREST		INTEREST EARNED FEBRUARY 2020		
07341-1000	INTEREST EARNINGS	2003 JE		72784	15	0	0	3/2/2020	BANK FEES		REIMBURSE S/R FOR FEB.2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2003 JE		73224	0	0.62	0	3/31/2020	INTEREST		INTEREST EARNED MARCH 2020		
07341-1000	INTEREST EARNINGS	2004 JE		73237	15	0	0	4/6/2020	BANK FEES		REIMBURSE S/R FOR MARCH 2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2004 JE		73551	15	1.77	0	4/30/2020	INTEREST		INTEREST EARNED APRIL 2020		
07341-1000	INTEREST EARNINGS	2005 JE		73575	0	0.11	0	5/4/2020	REIMBURSE		REIMBURSE S/R FOR APRIL 2020	POSITIVE PAY & ACH BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2005 JE		73581	0	0.11	0	5/31/2020	INTEREST		INTEREST EARNED MAY 2020		
07341-1000	INTEREST EARNINGS	2006 JE		73599	15	0	0	6/1/2020	BANK FEES		REIMBURSE S/R FOR MAY 2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2006 JE		74425	0	0.09	0	6/30/2020	INTEREST		REIMBURSE S/R FOR JUNE 2020		
07341-1000	INTEREST EARNINGS	2007 JE		74456	15	0	0	7/1/2020	REIMBURSE		REIMBURSE S/R FOR JULY 2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2007 JE		74903	0	0.13	0	7/31/2020	INTEREST		INTEREST EARNED JULY 2020		
07341-1000	INTEREST EARNINGS	2008 JE		74970	15	0	0	8/6/2020	BANK FEES		REIMBURSE S/R FOR JULY 2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2008 JE		75377	0	0.41	0	9/2/2020	INTEREST		REIMBURSE S/R FOR AUG.2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2009 JE		75388	15	0	0	9/30/2020	INTEREST		INTEREST EARNED AUGUST 2020		
07341-1000	INTEREST EARNINGS	2009 JE		75813	0	0.38	0	10/5/2020	REIMBURSE		REIMBURSE S/R FOR SEPT.2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2010 JE		76166	0	0.41	0	10/31/2020	REIMBURSE		INTEREST EARNED OCTOBER 2020		
07341-1000	INTEREST EARNINGS	2011 JE		76245	34.5	0	0	11/6/2020	REIMBURSE		REIMBURSE S/R FOR OCTOBER 2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2011 JE		76541	0	0.25	0	11/30/2020	INTEREST		INTEREST EARNED NOVEMBER 2020		
07341-1000	INTEREST EARNINGS	2012 JE		76556	34.5	0	0	12/1/2020	BANK FEES		REIMBURSE S/R FOR NOV.2020	BANK FEES	7100.1035
07341-1000	INTEREST EARNINGS	2012 JE		76959	0	0.25	0	12/30/2020	INTEREST		INTEREST EARNED DECEMBER 2020		
07354-0400	BEGINNING BALANCE						0						
07354-0400	DDED GRANT	2002 RE		72484	0	3.231	0	2/1/2020	LAST 10%		DDED GRANT - MUFFIN MONSTER	DDED GRANT	
07364-1110	BEGINNING BALANCE						0						
07364-1110	R.C.TAPPING FEES	2009 JE		75566	71.48	0	0	9/11/2020	TRX#75514		REVERSE TRX# 75514	R.C.TAPPING FEES	
07364-1110	R.C.TAPPING FEES	2009 RE		75514	0	71.48	0	9/11/2020	75514 1		TAP IN FEE FOR 938 CORNWALLIS		
07364-1110	R.C.TAPPING FEES	2009 RE		75567	0	71.48	0	9/11/2020	75567 1		TAP IN FEE FOR 938 CORNWALLIS	R.C.TAPPING FEES	
07364-1130	BEGINNING BALANCE						0						
07364-1130	CONNECTION FEES - SEWER	2002 CR		72318	0	4.23	0	2/3/2020		2670 011679 1	STOFFLET, MICHAEL		
07364-1130	CONNECTION FEES - SEWER	2002 CR		72669	0	4.23	0	2/26/2020		659 011680 1	JACOBS, ROBERT & CHERYL		
07364-1130	CONNECTION FEES - SEWER	2002 CR		72733	0	4.23	0	2/28/2020		869 011681 1	GEORGE SMITH & CHRISTINA CONLE		
07364-1130	CONNECTION FEES - SEWER	2002 JE		72319	141.12	0	0	2/3/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07364-1130	CONNECTION FEES - SEWER	2002 JE		72670	141.12	0	0	2/26/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07364-1130	CONNECTION FEES - SEWER	2002 JE		72734	141.12	0	0	2/28/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07364-1130	CONNECTION FEES - SEWER	2009 CR		75562	0	4.23	0	9/16/2020		30837183 011682 1	PAPPANO, JOSEPH & PATRICIA		
07364-1130	CONNECTION FEES - SEWER	2009 JE		75563	141.12	0	0	9/16/2020	PINE ROCK		PINE ROCK INSTALLMENT		
07364-1130	CONNECTION FEES - SEWER	2009 JE		75566	148	0	0	9/11/2020	TRX#75514		REVERSE TRX# 75514		
07364-1130	CONNECTION FEES - SEWER	2009 RE		75514	0	148	0	9/11/2020	75514 2		TAP IN FEE FOR 938 CORNWALLIS	CONNECTION FEES - SEWER	
07364-1130	CONNECTION FEES - SEWER	2009 RE		75567	0	148	0	9/11/2020	75567 2		TAP IN FEE FOR 938 CORNWALLIS	CONNECTION FEES - SEWER	
07380-1000	BEGINNING BALANCE						0						
07380-1000	MISCELLANEOUS REVENUE	2002 JE		72319	0	141.12	0	2/3/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07380-1000	MISCELLANEOUS REVENUE	2002 JE		72670	0	141.12	0	2/26/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07380-1000	MISCELLANEOUS REVENUE	2002 JE		72734	0	141.12	0	2/28/2020	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT		
07380-1000	MISCELLANEOUS REVENUE	2009 JE		75563	0	141.12	0	9/16/2020	PINE ROCK		PINE ROCK INSTALLMENT		
07392-0500	BEGINNING BALANCE						0						
07392-0500	TRANSFER FROM SEWER OPERATING	2002 JE		72474	0	1451.3	0	2/12/2020	XFER		XFER FROM SEWER TO MA		
07392-0500	TRANSFER FROM SEWER OPERATING	2002 JE		72487	1451.3	0	0	2/12/2020	REVERSE		REVERSE XFER TO MA FROM SEWER	OPERATING	
07392-0500	TRANSFER FROM SEWER OPERATING	2004 JE		73366	0	3666	0	4/15/2020	XFER		XFER TO MUN.AUTH. FROM SEWER	OPERATING AND SEWER CAPITAL	
07392-0500	TRANSFER FROM SEWER OPERATING	2005 JE		73693	0	1986.5	0	5/12/2020	XFER		XFER \$ FROM OS SEWER OPERATING		
07392-0500	TRANSFER FROM SEWER OPERATING	2006 JE		74154	0	1677.25	0	6/12/2020	XFER		XFER \$ FROM OS TO MA FUND		
07392-0500	TRANSFER FROM SEWER OPERATING	2006 JE		74370	0	5000	0	6/29/2020	XFER		XFER \$ FROM SEWER TO MA		
07392-0500	TRANSFER FROM SEWER OPERATING	2007 JE		74609	0	1062.75	0	7/15/2020	XFER		XFER TO 07 FROM OS		
07392-0500	TRANSFER FROM SEWER OPERATING	2008 JE		75044	0	9112.75	0	8/11/2020	XFER		XFER \$ FROM SEWER TO MA - AUG.	INVOICES	9/15/2020
07392-0500	TRANSFER FROM SEWER OPERATING	2009 JE		75528	0	11941.5	0	9/15/2020	XFER		XFER \$ FROM SEWER TO MA		
07392-0500	TRANSFER FROM SEWER OPERATING	2010 JE		75931	0	7069.25	0	10/13/2020	XFER		XFER FROM SEWER TO MA - OCT.	INVOICES	
07392-0500	TRANSFER FROM SEWER OPERATING	2011 JE		76344	0	6207.61	0	11/13/2020	XFER		XFER \$ FROM OS TO 07 MA TO	COVER EXPENSES - NOV.2020	

2020 Year to Date Municipal Authority Revenues and Expenses

07392-0500	TRANSFER FROM SEWER OPERATING	2012 JE	767.44	0	1757.26	0	12/16/2020	XFER	XFER \$ FROM SEWER TO MA FOR	EXPENSES
07392-0500	TRANSFER FROM SEWER OPERATING	2012 JE	769.18	0	7404.46	0	12/30/2020	XFER	XFER \$ FROM SEWER TO MA	
07392-0501	BEGINNING BALANCE			0		0				
07392-0501	TRANSFER FROM SEWER CAP RESV	2002 JE	724.50	0	4391.8	0	2/11/2020	RECLASS	RECLASS TRXS 72036 & 72044	
07392-0501	TRANSFER FROM SEWER CAP RESV	2002 JE	724.50	0	10984.6	0	2/11/2020	RECLASS	RECLASS TRXS 72036 & 72044	
07392-0501	TRANSFER FROM SEWER CAP RESV	2002 JE	724.73	0	16893.16	0	2/12/2020	XFER	XFER \$ FROM SEWER CAPITAL TO	MA
07392-0501	TRANSFER FROM SEWER CAP RESV	2003 JE	729.50	0	18342.17	0	3/12/2020	XFER	XFER \$ FROM SEWER CAPITAL TO	MUNICIPAL AUTH. 3/12/20
07392-0501	TRANSFER FROM SEWER CAP RESV	2003 JE	729.74	0	14511.3	0	3/17/2020	XFER	XFER FROM SEWER OPERATING TO	MA FEB.2020
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	732.16	0	15623.7	0	4/3/2020	XFER	XFER \$ FROM SEWER CAPITAL TO	MUNIC.AUTH.
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	733.36	0	1422.5	0	4/15/2020	XFER	XFER TO MUN.AUTH. FROM SEWER	OPERATING AND SEWER CAPITAL
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	733.70	0	1451.3	0	4/17/2020	XFER	XFER FROM 09 TO 07 2/12/20	
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	733.84	1451.3	0	0	4/20/2020	REVERSE	REVERSE TRX. 73370	
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	733.85	1451.3	0	0	4/20/2020	XFER	XFER TO 09 FROM 07- 3/13/20	MA 4/27/20
07392-0501	TRANSFER FROM SEWER CAP RESV	2004 JE	734.50	0	15000	0	4/27/2020	XFER	XFER \$ FROM SEWER CAPITAL TO	RESERVE TO MA 5/12/20
07392-0501	TRANSFER FROM SEWER CAP RESV	2005 JE	736.94	0	1069.25	0	5/12/2020	XFER	XFER FROM 09 SEWER CAPITAL	EXPENSES
07392-0501	TRANSFER FROM SEWER CAP RESV	2007 JE	744.17	0	5457.65	0	7/1/2020	REIMBURSE	REIMBURSE MA OPERATING FOR 09	TO MA AUGUST INVOICES
07392-0501	TRANSFER FROM SEWER CAP RESV	2007 JE	746.44	0	4345	0	7/17/2020	XFER	XFER FR: SEWER CAP RESERVE TO	MUNICIPAL AUTH.
07392-0501	TRANSFER FROM SEWER CAP RESV	2008 JE	750.45	0	9861	0	8/11/2020	XFER	XFER FROM SEWER CAPITAL RESER.	TO MA
07392-0501	TRANSFER FROM SEWER CAP RESV	2008 JE	752.96	0	5087.54	0	8/28/2020	XFER	XFER \$ FROM SEWER CAP RESERVE	MA 9/15/20
07392-0501	TRANSFER FROM SEWER CAP RESV	2009 JE	753.31	0	9074.1	0	9/15/2020	XFER	XFER FROM SEWER CAP RESERVE TO	TO 07
07392-0501	TRANSFER FROM SEWER CAP RESV	2009 JE	757.16	0	7875.02	0	9/28/2020	XFER	XFER \$ FROM 09 SEWER SINKING	
07392-0501	TRANSFER FROM SEWER CAP RESV	2010 JE	757.80	0	7912.9	0	10/1/2020	XFER	XFER \$ FROM 09 TO 07	
07392-0501	TRANSFER FROM SEWER CAP RESV	2010 JE	759.32	0	441.17	0	10/13/2020	XFER	XFER FROM SEWER CAPITAL TO MA	#NAME?
07392-0501	TRANSFER FROM SEWER CAP RESV	2010 JE	759.67	0	7804.23	0	10/15/2020	XFER	XFER \$ FROM SEWER CAP RESERVE	TO MA 10/15/20
07392-0501	TRANSFER FROM SEWER CAP RESV	2011 JE	762.38	0	6876.5	0	11/6/2020	XFER	XFER \$ FROM 09 TO 07 MA	
07392-0501	TRANSFER FROM SEWER CAP RESV	2011 JE	764.97	0	907.9	0	11/13/2020	XFER	XFER \$ FROM 09 TO 07 MA	
07392-0501	TRANSFER FROM SEWER CAP RESV	2011 JE	763.50	0	1441	0	11/13/2020	XFER	XFER \$ TO 07 MA FROM 09 SEWER	CAP RESERVE
07392-0501	TRANSFER FROM SEWER CAP RESV	2011 JE	764.47	0	2365	0	11/24/2020	XFER	XFER \$ FROM 09 TO 07 RE. MA	EXPENSES
07392-0501	TRANSFER FROM SEWER CAP RESV	2012 JE	769.98	0	2700	0	12/11/2020	XFER	XFER \$ FROM 09 TO 07 RE. MA	MA
07392-0501	TRANSFER FROM SEWER CAP RESV	2012 JE	769.20	0	14000	0	12/30/2020	XFER	XFER FROM SEWER CAP RESERVE TO	
07392-0900	BEGINNING BALANCE			0		0				
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2001 JE	720.36	0	4391.8	0	1/15/2020	XFER	XFER \$ FROM SEWER SINKING TO	MA RE. JANUARY EXPENSES
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2001 JE	720.44	0	10984.6	0	1/15/2020	XFER	XFER \$ FROM SEWER SINKING TO	MA RE. JAN.2020 ADJL EXP.
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2002 JE	724.50	0		0	2/11/2020	RECLASS	RECLASS TRXS 72036 & 72044	
07392-0900	TRANSFER FROM SEWER CAP RESERVE	2002 JE	724.50	10984.6	0	0	2/11/2020	RECLASS	RECLASS TRXS 72036 & 72044	
07424-1400	BEGINNING BALANCE			0		0				
07424-1400	ADMINISTRATIVE WAGES	2003 CD	731.25	7884.44	0	0	3/30/2020			QTR.1 2020 REIMBURSEMENT - MUN.AUTH
07424-1400	ADMINISTRATIVE WAGES	2006 CD	743.61	7884.44	0	0	6/16/2020			QTR.2 2020 REIMBURSEMENT - MUN.AUTH
07424-1400	ADMINISTRATIVE WAGES	2009 CD	757.02	7884.44	0	0	9/25/2020			QTR.3 2020 REIMBURSEMENT MUN.AUTH.
07424-1400	ADMINISTRATIVE WAGES	2012 CD	769.09	7404.46	0	0	12/30/2020			QTR.4-2020 MUN.AUTH. CHARGE BACK
07424-3000	MISCELLANEOUS EXPENSE	2003 CD	729.55	100	0	0	3/12/2020			PMAA SPRING WORKSHOP - W.WULICK
07424-3000	MISCELLANEOUS EXPENSE	2003 CD	729.99	638	0	0	3/19/2020			2020 ANNUAL FEE D-2000-030 CP
07424-3000	MISCELLANEOUS EXPENSE	2008 JE	749.64	40	0	0	8/6/2020	NSF FEE	REIMBURSE S/R FOR NSF FEE IN	MA FUND
07424-3000	MISCELLANEOUS EXPENSE	2011 JE	762.40	0	100	0	11/6/2020	REFUND	REFUND FOR CANCELED WORKSHOP-	PMAA FOR WALTER WULICK
07424-3110	BEGINNING BALANCE			0		0				
07424-3110	MUNIC.AUTH.-AUDITING	2003 CD	730.66	9300	0	0	3/26/2020		808 MALLIE FALCONIERO & CO.	EXAM - FINANCIAL STATEMENTS 12/31/21
07424-3130	BEGINNING BALANCE			1666	0	0	1/15/2020			MUNICIPAL AUTHORITY
07424-3130	ENGINEERING SERVICES	2001 CD	724.72	893.25	0	0	2/12/2020		1052 PENNONI ASSOCIATES INC.	SERVICES THRU 12/8/19 2019 GEN.SERV
07424-3130	ENGINEERING SERVICES	2003 CD	729.28	2508	0	0	3/11/2020		1052 PENNONI ASSOCIATES INC.	SERVICE THRU 1/19/20 2020 GEN.SERV.
07424-3130	ENGINEERING SERVICES	2004 CD	733.34	3366	0	0	4/15/2020		1052 PENNONI ASSOCIATES INC.	SERVICE THRU 2/16/20 2020 GEN.SERV.
07424-3130	ENGINEERING SERVICES	2005 CD	736.59	1486.5	0	0	5/12/2020		1052 PENNONI ASSOCIATES INC.	SERVICES THRU 3/22/20 2020 I&I SUPP
07424-3130	ENGINEERING SERVICES	2006 CD	741.52	717.25	0	0	6/11/2020		1052 PENNONI ASSOCIATES INC.	SERVICE THRU 4/19/20 2020 GEN.SERV.
07424-3130	ENGINEERING SERVICES	2007 CD	746.05	742.75	0	0	7/15/2020		1052 PENNONI ASSOCIATES INC.	SERVICES THRU 5/17/20 2020 GEN.SERV
07424-3130	ENGINEERING SERVICES	2008 CD	750.41	9112.75	0	0	8/11/2020		1052 PENNONI ASSOCIATES INC.	SERVICES THRU 6/21/20 2020 GEN.SERV
07424-3130	ENGINEERING SERVICES	2009 CD	755.37	11201.5	0	0	9/15/2020		1052 PENNONI ASSOCIATES INC.	SERVICES THRU 7/19/20 2020 I&I REPT
07424-3130	ENGINEERING SERVICES	2010 CD	759.36	6659.25	0	0	10/13/2020		1052 PENNONI ASSOCIATES INC.	SERVICE THRU 8/16/20 W.GOSHEN SEWER
07424-3130	ENGINEERING SERVICES	2011 CD	763.41	5029.5	0	0	11/13/2020		1052 PENNONI ASSOCIATES INC.	SERV. THRU 9/20/20 W.GOSHEN SEWER
07424-3130	ENGINEERING SERVICES	2012 CD	768.21	1137.25	0	0	12/22/2020		1052 PENNONI ASSOCIATES INC.	SERV. THRU 10/18/20 2020 I&I SUPPT.
07424-3140	BEGINNING BALANCE			0		0				SERVICE THRU 11/15/20 2020 I&I SUPP

2020 Year to Date Municipal Authority Revenues and Expenses

07424-3140	LEGAL SERVICES	2001	CD	72062	558.05	0	0	1/16/2020	3185	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - 12/6-12/11/19
07424-3140	LEGAL SERVICES	2003	CD	72928	720	0	0	3/11/2020	3191	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE - 1/13/20 GEN.AUTH.
07424-3140	LEGAL SERVICES	2004	CD	73334	300	0	0	4/15/2020	3201	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 3/6-9/9/20 GEN.AUTH.
07424-3140	LEGAL SERVICES	2005	CD	73699	500	0	0	5/12/2020	3204	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 4/7-4/15/20 GEN.AUTH.
07424-3140	LEGAL SERVICES	2006	CD	74152	960	0	0	6/11/2020	3206	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICES 5/8-5/14/20 GEN.AUTH
07424-3140	LEGAL SERVICES	2007	CD	74605	320	0	0	7/15/2020	3212	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 6/5-6/8/20 GEN.AUTH.
07424-3140	LEGAL SERVICES	2009	CD	75397	740	0	0	9/15/2020	3223	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE 7/8-7/13/20 GEN.AUTH.
07424-3140	LEGAL SERVICES	2011	CD	76341	1578.11	0	0	11/13/2020	3235	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERVICE -SEPT 2020 GEN.AUTH.
07424-3140	LEGAL SERVICES	2012	CD	76821	600	0	0	12/22/2020	3239	528 GAWTHROP GREENWOOD & HALSTED	LEGAL SERV. 11/6-11/25/20 GEN.AUTH.
07424-7490	BEGINNING BALANCE						0				
07424-7490	CAP.REPLACEMENT R.C.	2001	CD	72042	10984.6	0	0	1/15/2020	3184	3691 EVOQUA WATER TECHNOLOGIES LLC	DECANTER VALVES
07424-7490	CAP.REPLACEMENT R.C.	2002	CD	72472	15280	0	0	2/12/2020	3188	3217 TR-STATE TECHNICAL SALES CORP.	ELECTRIC VALVES FOR SBR TANKS
07424-7490	CAP.REPLACEMENT R.C.	2010	JE	75904	7912.9	0	0	10/2/2020		RECLASS TELEDYNE INST. INVOICE	ISSUED 10/1/20
07424-7490	CAP.REPLACEMENT R.C.	2012	JE	76714	0	447.9	0	12/14/2020		RECLASS TELEDYNE REFUND TRX.#	
07426-1000	BEGINNING BALANCE						0				
07426-1000	HERSHEY MILL STATION - ENGINEER	2001	CD	72040	3805.05	0	0	1/15/2020	3183	1052 PENNONI ASSOCIATES INC.	SERV. THRU 12/8/19 HMP5 SURVEY &
07426-1000	HERSHEY MILL STATION - ENGINEER	2002	CD	72472	1390.67	0	0	2/12/2020	3187	1052 PENNONI ASSOCIATES INC.	SERV. THRU 1/19/20 HMP5 SURVEY &
07426-1000	HERSHEY MILL STATION - ENGINEER	2003	CD	72928	1098.77	0	0	3/11/2020	3193	1052 PENNONI ASSOCIATES INC.	SERV. THRU 2/16/20 HMP5 SURVEY
07429-1501	BEGINNING BALANCE						0				
07429-1501	BARWAY PUMP STATION CAPITAL	2002	CD	72472	91.57	0	0	2/12/2020	3186	317 CONTRACTOR'S CHOICE	SLINGS & STIHL HD LOCK-BLADE KNIFE
07429-1501	BARWAY PUMP STATION CAPITAL	2002	CD	72472	69.92	0	0	2/12/2020	3189	1983 YALE ELECTRIC SUPPLY CO	FENDER WASHER, PVC ADAPTER, SOLVENT
07429-1501	BARWAY PUMP STATION CAPITAL	2003	CD	72928	2649.5	0	0	3/11/2020	3192	765 IEC - LENNI ELECTRIC CORPORATION	MUFFIN MONSTER PIPED & WIRED - BKWAY
07429-1503	BEGINNING BALANCE						0				
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2004	CD	73213	37409	0	0	4/9/2020	3199	4238 PREMIUM POWER SERVICES LLC.	60K W GENERATOR HERSHEY MILL
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2007	CD	74444	1850	0	0	7/12/2020	3210	969 O'RIOURE & SONS INC.	REBARS - HERSHEY MILL GENERATOR PAD
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2007	CD	74634	4345	0	0	7/15/2020	3214	765 IEC - LENNI ELECTRIC CORPORATION	HERSHEY P5 UPGRADE SERVICE
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2008	CD	75293	2448.97	0	0	8/27/2020	3218	293 COLONIAL ELECTRIC SUPPLY	ELECTRICAL SUPPLIES- HM GENERATOR
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2008	CD	75293	2271.96	0	0	8/27/2020	3220	1983 YALE ELECTRIC SUPPLY CO	ELECTRICAL SUPPLIES- HM GENERATOR
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2009	CD	75537	12.81	0	0	9/15/2020	3221	293 COLONIAL ELECTRIC SUPPLY	PVC PIPING CAR1-1/2
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2009	CD	75537	4285	0	0	9/15/2020	3224	2876 PT EQUIPMENT LLC.	TEMP. GENERATOR RENTAL JULY & AUG.
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2009	CD	75732	7875.02	0	0	9/28/2020	3227	765 IEC - LENNI ELECTRIC CORPORATION	HERSH-MILL GENERATOR INSTALL. JUNE-
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2010	CD	75920	441.17	0	0	10/12/2020	3229	1983 YALE ELECTRIC SUPPLY CO	ADAPTERS, CONNECTORS & PLUGS ROSTP
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2010	CD	75965	71356.23	0	0	10/15/2020	3231	293 COLONIAL ELECTRIC SUPPLY	WINNING,LUBE & BOLTS-ROSTP GENERATOR
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2011	CD	76227	6876.5	0	0	11/15/2020	3233	765 IEC - LENNI ELECTRIC CORPORATION	DISCONNECT GENERATOR, DEMO ATS &
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2011	CD	76337	907.9	0	0	11/15/2020	3234	293 COLONIAL ELECTRIC SUPPLY	CONDUTITS & COIL - ROSTP GENERATOR
07429-1503	HERSHEY'S MILL PUMP STATION CAPITAL	2011	CD	76432	2565.5	0	0	11/23/2020	3237	765 IEC - LENNI ELECTRIC CORPORATION	INSTALL GENERATOR ROSTP - 10/6/20
07429-1505	BEGINNING BALANCE						0				
07429-1505	ROSTP CAPITAL	2001	CD	72040	586.75	0	0	1/15/2020	3183	1052 PENNONI ASSOCIATES INC.	SERV. THRU 12/8/19 ROSTP GENERATOR
07429-1505	ROSTP CAPITAL	2003	CD	72928	3884	0	0	3/11/2020	3190	356 DECKMAN MOTOR & PUMP INC.	REBUILT SBR PUMP #2
07429-1505	ROSTP CAPITAL	2003	CD	72928	2798.4	0	0	3/11/2020	3192	765 IEC - LENNI ELECTRIC CORPORATION	RIDLEY GREEK MCC BREAKER BUCKET
07429-1505	ROSTP CAPITAL	2003	CD	72928	2911.5	0	0	3/11/2020	3193	1052 PENNONI ASSOCIATES INC.	SERV. THRU 2/16/20 ROSTP GENERATOR
07429-1505	ROSTP CAPITAL	2003	CD	72928	1150.48	0	0	3/19/2020	3195	4233 ABLE EQUIPMENT RENTAL INC.	CRANE CARRY DECK RENTAL 3/9-3/10/20
07429-1505	ROSTP CAPITAL	2004	CD	73213	118928	0	0	4/3/2020	3199	4238 PREMIUM POWER SERVICES LLC	450K W GENERATOR ROSTP
07429-1505	ROSTP CAPITAL	2004	CD	73699	14688	0	0	4/15/2020	3202	1052 PENNONI ASSOCIATES INC.	SERV. THRU 3/22/20 2020 ROSTP GENER
07429-1505	ROSTP CAPITAL	2004	CD	73427	14688	0	0	4/24/2020	3208	356 DECKMAN MOTOR & PUMP INC.	REBUILT FLYGT PUMP - ROSTP
07429-1505	ROSTP CAPITAL	2005	CD	73699	1069.25	0	0	5/12/2020	3205	1052 PENNONI ASSOCIATES INC.	SERVICE THRU 4/19/20 ROSTP GENERATR
07429-1505	ROSTP CAPITAL	2007	CD	74444	3451.5	0	0	7/12/2020	3209	813 MAIN LINE CONCRETE	CONCRETE - FOR ROSTP GENERATOR PAD
07429-1505	ROSTP CAPITAL	2007	CD	74444	1422.5	0	0	7/12/2020	3211	1087 PIPE XPRSS INC.	PIPING & CONDUTITS - ROSTP GENERATOR
07429-1505	ROSTP CAPITAL	2007	CD	74444	156.65	0	0	7/12/2020	3211	1087 PIPE XPRSS INC.	VALVES, BRACKETS & ADAPTERS & FIELD
07429-1505	ROSTP CAPITAL	2008	CD	75041	500	0	0	8/11/2020	3215	7 ABEL BROTHERS TOWING & AUTO	BITS & ANCHORS - ROSTP GENERATOR
07429-1505	ROSTP CAPITAL	2008	CD	75293	386.61	0	0	8/27/2020	3217	3217 TR-STATE TECHNICAL SALES CORP.	REBUILT MYERS PUMP
07429-1505	ROSTP CAPITAL	2009	CD	75537	4776.29	0	0	9/15/2020	3222	688 HOWE DEVOIT CREDIT SERVICES	ULTRASONIC FLOW METER
07429-1505	ROSTP CAPITAL	2010	CD	75738	7912.9	0	0	10/1/2020	3228	356 DECKMAN MOTOR & PUMP INC.	TEARDOWN/INSPECTION RE: NEW PUMP
07429-1505	ROSTP CAPITAL	2010	CD	75965	668	0	0	10/15/2020	3232	356 DECKMAN MOTOR & PUMP INC.	ISSUED 10/1/20
07429-1505	ROSTP CAPITAL	2010	JE	75804	0	7912.9	0	10/2/2020		RECLASS TELEDYNE INST. INVOICE	
07429-1505	ROSTP CAPITAL	2011	CD	76341	1441	0	0	11/13/2020	3236	1052 PENNONI ASSOCIATES INC.	SERV. THRU 10/18/20 ROSTP GENERATOR
07429-1505	ROSTP CAPITAL	2011	JE	76450	0	527.25	0	11/24/2020		RECLASS CREED MEMO FROM ABLE	RENTALS TO 07 FROM 01
07429-1505	ROSTP CAPITAL	2012	CD	76676	2700	0	0	12/10/2020	3238	1022 PATTERSON, MICHAEL I.	INSTALL FENCE-H-MILL P.S. GENERATOR
07429-1505	ROSTP CAPITAL	2012	CD	76587	14000	0	0	12/30/2020	3242	4401 TRACOM FIBERGLASS PRODUCTS	ROSTP NEW METER - HIBBERD LAVE
07429-1505	ROSTP CAPITAL	2012	JE	76588	0	447.9	0	12/12/2020		REFUND OF SALES TAX PAID ON	
07429-1505	ROSTP CAPITAL	2012	JE	76714	447.9	0	0	12/14/2020		RECLASS TELEDYNE REFUND TRX.#	

Aug-20

January 6, 2021

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

RE: Fee Schedule for Year 2021
East Goshen Township and East Goshen Municipal Authority

Dear Rick:

Pennoni is proud to serve East Goshen Township and East Goshen Municipal Authority, and we look forward to working with you again in 2021.

Our amended rates for 2021 for Township and Authority Engineering services, for the categories of staff that most frequently provide services to the Township and Authority follow, reflecting an average increase of 1.3%:

Authority/Township Engineer.....	\$135/hr
Senior Professional	\$127/hr
Project Professional	\$113/hr
Staff Professional	\$105/hr
Associate Professional	\$98/hr
Senior Engineering Technician.....	\$96/hr
Graduate Professional	\$89/hr
Engineering Technician	\$84/hr
Survey Crew (2-Person)	\$198/hr

We thank you again for the confidence you have placed in Pennoni over the years and look forward to continuing to serve you in the future.

If you have any questions, please do not hesitate to contact Mike Ellis or Nate Cline.

Sincerely,

PENNONI ASSOCIATES INC.



Michael J. Ellis, PE
Municipal Division Manager



Nathan M. Cline, PE
Associate Vice President

Pennoni **	2020		2021			2021		Change from		Change from 2020		
	Approved Rate		Proposed Rate	\$ Change	% Change	REVISED Rate		Original 2021 rates	\$ Change	% Change		
Township Engineer	\$ 132		\$ 137	\$ 5	3.6%	\$ 135	\$ (2)	\$ 135	\$ (2)	3	2.2%	
Senior Professional	\$ 125		\$ 129	\$ 4	3.1%	\$ 127	\$ (2)	\$ 127	\$ (2)	2	1.6%	
Project Professional	\$ 111		\$ 114	\$ 3	2.6%	\$ 113	\$ (1)	\$ 113	\$ (1)	2	1.8%	
Staff Professional	\$ 103		\$ 106	\$ 3	2.8%	\$ 105	\$ (1)	\$ 105	\$ (1)	2	1.9%	
Assoc. Professional	\$ 97		\$ 100	\$ 3	3.0%	\$ 98	\$ (2)	\$ 98	\$ (2)	1	1.0%	
Senior Engineering Tech	\$ 94		\$ 99	\$ 5	5.1%	\$ 96	\$ (3)	\$ 96	\$ (3)	2	2.1%	
Grad Professional	\$ 88		\$ 91	\$ 3	3.3%	\$ 89	\$ (2)	\$ 89	\$ (2)	1	1.1%	
Engineering Tech	\$ 84		\$ 85	\$ 1	1.2%	\$ 84	\$ (1)	\$ 84	\$ (1)	-	0.0%	
Survey Crew (2-Person)	\$ 198		\$ 198	\$ -	0.0%	\$ 198	\$ -	\$ -	\$ -	-	0.0%	
										Average		1.3%
** The Municipal Authority is pending their acceptance of 2021 rates until BOS approves same for Township												

Chris Boylan

From: mlynch@eastgoshen.org
Sent: Thursday, January 7, 2021 1:15 AM
To: Chris Boylan
Cc: David Shuey; mshane@eastgoshen.org; Michele Truitt; John Hertzog; Rick Smith; Mark Gordon; Mark Miller; Jason Lang; Barbara Phillips; Susan D'Amore
Subject: RE: FW: 2021 Engineering Rates

GE Chris

Kindly excuse late response; need more hours these days.

And, with regard to hours and reference to the adjusted proposed rates, first, a respectful thank you to Pennoni, and I am accepting. However, I still believe 0 increase would have been the smart come back but the reality is that a half dozen hours of rate time, i.e. <\$1,000 over the course of the year, is what the likely difference translates to in dollars but appearances do matter IMO under certain circumstances and this CV 19 is such a circumstance.

Would you kindly forward this reply to the Municipal Authority Members.

Thanks,
MikeL

-----Original Message-----

From: "Chris Boylan" <cboylan@eastgoshen.org>
Sent: Wednesday, January 6, 2021 9:01am
To: "David Shuey" <dshuey@eastgoshen.org>, "Mike Lynch" <mlynch@eastgoshen.org>, "mshane@eastgoshen.org" <mshane@eastgoshen.org>, "Michele Truitt" <mtruitt@eastgoshen.org>, "John Hertzog" <jhertzog@eastgoshen.org>
Cc: "Rick Smith" <rsmith@eastgoshen.org>, "Mark Gordon" <mgordon@eastgoshen.org>, "Mark Miller" <mmiller@eastgoshen.org>, "Jason Lang" <jlang@eastgoshen.org>, "Barbara Phillips" <bphillips@eastgoshen.org>, "Susan D'Amore" <sdamore@eastgoshen.org>
Subject: FW: 2021 Engineering Rates

Good morning,

We received the response below from Pennoni regarding 2021 Engineering Rates. Attached (PDF) are their adjusted 2021 rates, an increase of 1.3% over 2020. Based on the Board's action on this item at the Monday, 1/4/2021 Board meeting, this is the acceptable approved rate schedule for 2021.

The attached Excel document shows 2020 rates, along with their original 2021 proposed and revised rates. I will provide this information to the Municipal Authority for their meeting on Monday, Jan 11th.

Have a great day!
Chris

Ms. Chris Boylan
Senior Staff Accountant &
Interim Finance Director
East Goshen Township
cboylan@eastgoshen.org
610-692-7171

From: Michael Ellis <MEllis@Pennoni.com>
Sent: Wednesday, January 6, 2021 8:26 AM
To: Rick Smith <rsmith@eastgoshen.org>; Chris Boylan <cboylan@eastgoshen.org>
Cc: Nathan M. Cline <NCline@Pennoni.com>
Subject: 2021 Engineering Rates

Hi Rick and Chris,

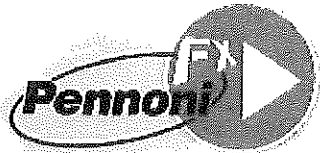
The attached letter provides our amended rates for 2021 as discussed at Monday's BOS meeting. Please do not hesitate to contact Nate or me with any questions.

Thanks,
Mike

Michael Ellis, PE
Municipal Division Manager

Pennoni

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



Watch Now: Smart City Planning!

Chris Boylan

From: Michele Truitt
Sent: Thursday, January 7, 2021 9:23 AM
To: Chris Boylan
Cc: David Shuey; Mike Lynch; mshane@eastgoshen.org; John Hertzog; Rick Smith; Mark Gordon; Mark Miller; Jason Lang; Barbara Phillips; Susan D'Amore
Subject: Re: 2021 Engineering Rates

GM All,

I am. Disappointed that Pennoni came back with a rate increase, period. Considering the large project we will have to correct the sewer issue in Hershey's Mill Estates, that "modest" increase will add thousands to the job. I am in favor of re-evaluating our township engineer, perhaps consider another.

Michele

On Jan 6, 2021, at 9:01 AM, Chris Boylan <cboylan@eastgoshen.org> wrote:

Good morning,

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Subject: 2021 Engineering Rates

Hi Rick and Chris,

The attached letter provides our amended rates for 2021 as discussed at Monday's BOS meeting. Please do not hesitate to contact Nate or me with any questions.

Pennsylvania Municipal Authorities Association
1000 North Front Street, Suite 401
Wormleysburg, PA 17043

Phone: 717-737-7655 * Fax: 717-737-8431
E-mail: info@municipalauthorities.org
Website: www.municipalauthorities.org

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

12/15/2020
ID: 212

INVOICE

	<u>Current Bal.</u>	<u>Adjustments</u>	<u>Balance Due</u>
2021 ACTIVE MEMBERSHIP DUES	\$880.25	\$0.00	\$880.25

We would appreciate payment within 60 days. If you pay by check, please remit a copy of invoice with payment. We accept Visa, Master Card, and Discover. If you DO NOT wish to renew your membership, please send a written notice to our office. Thank you for your prompt response.

Name on Card: _____ . Type of Credit Card: _____
Credit Card No.: _____ . Exp.: _____
3 Digit Security Code on reverse side of credit card: _____

*Township of East Goshen, PA
Friday, January 8, 2021*

Chapter 188. Sewers

Article I. Sewer Rentals and Charges

§ 188-6. Industrial waste.

[Amended 11-16-2004 by Ord. No. 129-S-04; 4-22-2014 by Ord. No. 129-B-2014]

- A. Industrial waste or other waste not defined as sanitary sewage shall not be discharged into the sewer system.
- B. Exclusion of industrial waste:
- (1) Permissible discharges. All wastewater discharged into the sewer system shall be of a domestic strength and composition. A permit is required for the discharge of any waste not defined as sanitary sewage. Any wastewater which is not of domestic origin shall be pretreated to domestic strength and composition or a level acceptable to the Authority. Discharges of nondomestic strength origin will be permissible by permit only.
 - (2) The Township reserves the right to refuse connection to the sewer system, to disconnect a sewer or to compel pretreatment of industrial waste in order to prevent discharge to the sewer of industrial waste deemed to be harmful to the sewage collection system or sewage plant or to have a deleterious effect on the sewage treatment or sludge-handling processes of the receiving stream or which would cause a violation of any existing sewage treatment agreement or permit of the Township.
- C. Industrial waste rates. In the event that the Township consents to accept industrial waste into the sewer system, having total suspended solids (tss) in excess of 300 parts per million (ppm) and biochemical oxygen demand (BOD) in excess of 250 ppm, the total charge shall be determined in accordance with the following formula:

$$\text{Total charge} = Q + [(0.001 \times Q) \times (\text{BOD in ppm} - 250)] + [(0.001 \times Q) \times (\text{tss in ppm} - 300)]$$

Where:

Q	=	variable rate charge
BOD	=	biochemical oxygen demand
tss	=	total suspended solids
ppm	=	parts per million

- D. Surcharge for extra strength. The total charge for sewage having concentrations in excess of the levels set forth in Subsection C above shall be determined in accordance with the following formula:

$$\text{Total charge} = Q + 0.001 Q (\text{BOD in ppm} - 250) + 0.001 Q (\text{SS in ppm} - 300)$$

Where:

1/8/2021

Township of East Goshen, PA Ecode360

Q	=	variable rate charge (§ 188-6C)
SS	=	suspended solids
ppm	=	parts per million

VALLEY TOWNSHIP***Industrial Waste Survey and Permit Application***

Attention: Please read all instructions prior to completing this Application.

SECTION A – General Information

1. Facility Name: _____
 - a. NAICS/SIC Codes: _____
 - b. Operator Name: _____
 - c. Is the operator identified in 1. b. the owner of the facility? Yes ☐ No ☐
If no, provide the name and address of the operator and submit a copy of the contract and/or other documents indicating the operator's scope of responsibility for the Facility.
Name & Title: _____
Address: _____
2. Facility Address:
Street: _____
City: _____ State: _____ Zip: _____
3. Business Mailing Address:
Street or P. O. Box: _____
City: _____ State: _____ Zip: _____
4. Designated signatory authority of the facility:
[Attach similar information for each secondary authorized representative. Use a separate sheet if necessary.]
Name: _____
Title: _____
Address: _____
City: _____ State: _____ Zip: _____
Phone#: _____
Email: _____

5. Designated facility contact:

Name: _____

Title: _____

Phone#: _____

Email: _____

SECTION B – Business Activity

1. If your facility employs or will be employing processes in any of the industrial categories or business activities listed below (regardless of whether they generate wastewater, waste sludge, or hazardous wastes), place a check beside the category of business activity (check all that apply).

Industrial Categories*

- | | |
|--|--|
| <input type="checkbox"/> Adhesives | <input type="checkbox"/> Metal Finishing |
| <input type="checkbox"/> Aluminum Forming | <input type="checkbox"/> Nonferrous Metals Forming |
| <input type="checkbox"/> Asbestos Manufacturing | <input type="checkbox"/> Nonferrous Metals Manufacturing |
| <input type="checkbox"/> Auto & Other Laundries | <input type="checkbox"/> Ore Mining |
| <input type="checkbox"/> Battery Manufacturing | <input type="checkbox"/> Organic Chemicals Manufacturing |
| <input type="checkbox"/> Can Making | <input type="checkbox"/> Paint & Ink Formulating |
| <input type="checkbox"/> Carbon Black | <input type="checkbox"/> Paving and Roofing Manufacturing |
| <input type="checkbox"/> Coal Mining | <input type="checkbox"/> Pesticides Manufacturing |
| <input type="checkbox"/> Coil Coating | <input type="checkbox"/> Petroleum Refining |
| <input type="checkbox"/> Copper Forming | <input type="checkbox"/> Pharmaceutical |
| <input type="checkbox"/> Electric & Electronic Components | <input type="checkbox"/> Photographic Supplies |
| <input type="checkbox"/> Electroplating | <input type="checkbox"/> Plastic and Synthetic Materials |
| <input type="checkbox"/> Explosives Manufacturing | <input type="checkbox"/> Plastics Processing Manufacturing |
| <input type="checkbox"/> Feedlots | <input type="checkbox"/> Porcelain Enamel |
| <input type="checkbox"/> Fertilizer Manufacturing | <input type="checkbox"/> Printing & Publishing |
| <input type="checkbox"/> Foundries (Metal Molding and Casting) | <input type="checkbox"/> Pulp, Paper, and Fiberboard |
| <input type="checkbox"/> Glass Manufacturing | <input type="checkbox"/> Rubber |
| <input type="checkbox"/> Grain Mills | <input type="checkbox"/> Soap and Detergent Manufacturing |
| <input type="checkbox"/> Gum & Wood Chemicals | <input type="checkbox"/> Steam Electric |
| <input type="checkbox"/> Inorganic Chemicals | <input type="checkbox"/> Sugar Processing |
| <input type="checkbox"/> Iron & Steel | <input type="checkbox"/> Textile Mills |
| <input type="checkbox"/> Leather Tanning & Finishing | <input type="checkbox"/> Timber Products |
| <input type="checkbox"/> Mechanical Products | |

Other Business Activities

- | | |
|---|---|
| <input type="checkbox"/> Beverage Bottler | <input type="checkbox"/> Food/Edible Products Processor |
| <input type="checkbox"/> Dairy Products | <input type="checkbox"/> Slaughter/Meat Packing/Rendering |
| <input type="checkbox"/> Medical Facility | |
| <input type="checkbox"/> Other _____ | |

Note: * A facility with processes inclusive in these business areas may be covered by Environmental Protection Agency's (EPA) categorical pretreatment standards. These facilities are termed "categorical users".

2. Give a brief description of all operations at this facility including primary products or services. *[Attach additional sheets if necessary]:*

☐ Please keep my business information and activities confidential

3. Indicate applicable North America Industrial Classification Standard (NAICS) (Previously SIC) for all processes (**If more than one applies, list in descending order of percentage of operation.**):

a. _____

d. _____

b. _____

e. _____

c. _____

f. _____

4. PRODUCT VOLUME:

PRODUCT (Brand name)	PAST CALENDAR YEAR Amounts Per Day (Daily Units)		ESTIMATE THIS CALENDAR YEAR Amounts Per Day (Daily Units)	
	Average	Maximum	Average	Maximum
Levels with others and no u.l				

SECTION C – Water Supply

1. Water Sources: (Check as many as are applicable)

☐

Private Well

☐

Surface Water

☐

Municipal Water Utility (Specify City): _____

☐

Other (Specify): _____

2. Name on the Water Bill: _____

Address: _____

City: _____ State: _____ Zip: _____

3. Water service account number: _____

4. List average water usage on premises: **(New facilities may estimate)**

TYPE	AVERAGE Water Usage (GPD)	INDICATE Estimated (E) or Measured (M)
Contact Cooling Water		
Non-contact Cooling Water		
Boiler Feed		
Process		
Sanitary		
Air Pollution Control (air scrubber)		
Contained in product		
Plant & Equipment Wash Down		
Irrigation & Lawn Watering		
Other		
TOTAL		

SECTION D – Sewer Information

1. a. For an existing business:

Is the building presently connected to the public sanitary sewer system?

☐ Yes: Sanitary sewer account number _____

☐ No: Have you applied for a sanitary sewer hookup? ☐ YES ☐ NO

b. For a new business:

(i). Will you be occupying an existing vacant building (such as in an industrial park)? ☐ YES ☐ NO

(ii). Have you applied for a building permit if a new facility will be constructed? ☐ YES ☐ NO

(iii). Will you be connected to the Coatesville area sanitary sewer?
☐ YES ☐ NO

2. List size, descriptive location, and flow of each facility sewer, which connects to the Coatesville area sewer system. *[If more than three, attach additional information on another sheet.]*

Sewer Size	Descriptive Location of Sewer Connection or Discharge Point	Average Flow (GPD)

SECTION E – Wastewater Discharge Information

1. Does (or will) this facility discharge any wastewater other than from restrooms to the Coatesville area sewer?

☐ YES if the answer to this question is “YES”, complete the remainder of the application.

☐ NO If the answer to this question is “NO”, skip to Section I.

2. Provide the following information on wastewater flow rate.
(New facilities may estimate)

a. Hours/Day Discharged (e.g., 8 hours/day):

M ____ T ____ W ____ T ____ F ____ SAT ____ SUN ____

b. Hours of Discharge (e.g., 9 a.m. to 5 p.m.):

M ____ T ____ W ____ T ____ F ____ SAT ____ SUN ____

c. Peak hourly flow rate (GPH): _____

d. Maximum daily flow rate (GPD): _____

e. Annual daily average (GPD): _____

3. If batch discharge occurs or will occur, indicate: (New facilities may estimate)

a. Number of batch discharges per day: _____

b. Average discharge per batch (GPD): _____

c. Time of batch discharges (days/week): _____ at (hours of day): _____

d. Flow rate (gallons per minute): _____

e. Percent of total discharge: _____

4. Date facility commenced discharging wastewater to POTW:

_____ Day _____ Month _____ Year

5. Schematic Flow Diagram – For each major activity in which wastewater is or will be generated, draw a diagram of the flow of materials, products, water, and wastewater from the start of the activity to its completion, showing all unit processes. Indicate which processes use water and which generate waste streams. Include the average daily volume and maximum daily volume of each waste stream (**new facilities may estimate**). If estimates are used for flow data this must be indicated. Number each unit process having wastewater discharges to the community sewer. Use these numbers when showing these unit processes in the building layout in Section H. *[Show the Schematic Flow Diagram on separate sheet(s) and attach to application]*
6. Provide plans and specifications on pretreatment devices/units and control manhole. *[Provide plans and specifications on separate sheet and attach to application]*

Attention: *Facilities that checked activities in question 1 of Section B, Industrial Categories, are considered Categorical Industrial Users and should skip to question 8.*

7. For Non-Categorical Users Only: List average wastewater discharge, maximum discharge, and type of discharge (batch, continuous, or both), for each plant process. Include the reference number from the process schematic that corresponds to each process. (**New facilities should provide estimates for each discharge**)

No.	Process Description	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (batch, continuous, none)

ANSWER QUESTIONS 8, 9, and 10 ONLY IF YOU ARE SUBJECT TO CATEGORICAL PRETREATMENT STANDARDS

8. For Categorical Users: Provide the wastewater discharge flows for each of your processes or proposed processes. Include the reference number for the process schematic that corresponds to each process. (**New facilities should provide estimates for each discharge**)

No.	Regulated Process	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (batch, continuous, none)

No.	Unregulated Process	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (batch, continuous, none)

No.	Regulated Process	Average Flow (GPD)	Maximum Flow (GPD)	Type of Discharge (batch, continuous, none)

9. **Attention:** For Categorical Users subject to Total Toxic Organic (TTO) Requirements.

- a. Does (or will) this facility use any of the toxic organics that are listed under the TTO standard of the applicable categorical pretreatment standards published by EPA? ☐ YES ☐ NO
- b. Has a baseline monitoring report (BMR) been submitted which contains TTO information? ☐ YES ☐ NO
- c. Has a toxic organics management plan (TOMP) been developed? ☐ YES (Please attach copy) ☐ NO

10. Existing Users – 180-Day Baseline Monitoring Report or New Sources - 90-Day Report Submitted? ☐ YES ☐ NO

Date Submitted: _____

11. Do you have, or plan to have, automatic sampling equipment or continuous wastewater flow metering equipment at this facility?

Current: Flow Metering	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
Sampling Equipment	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
Planned: Flow Metering	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A
Sampling Equipment	<input type="checkbox"/> YES	<input type="checkbox"/> NO	<input type="checkbox"/> N/A

If so, please indicate the present or future location of this equipment on the sewer schematic and describe the equipment below:

12. Are any process changes or expansions planned during the next three years that could alter wastewater volumes or characteristics? Consider production processes as well as air or water pollution treatment processes that may affect the discharge.

☐ YES ☐ NO (skip question 13)

13. Briefly describe these changes and their effects on the wastewater volume and characteristics: *[Attach additional sheets if needed]*
-
-

14. Are any materials or water reclamation systems in use or planned?

☐ YES ☐ NO (skip question 15)

15. Briefly describe recovery process, substance recovered, percent recovered, and the concentration in the spent solution. Submit a flow diagram for each process: *[Attach additional sheets if needed]*
-
-
-

SECTION F – Characteristics of Discharge

All current industrial users are required to submit monitoring data on all pollutants that are regulated specific to each process. Use the tables provided at the end of this application to report the analytical results. **DO NOT LEAVE BLANKS.** For all other (non-regulated) pollutants, indicate whether the pollutant is known to be present (P), suspected to be present (S), or known not to be present (O), by placing the appropriate letter in the column for average reported values. Indicate on either the top of each table, or on a separate sheet, if necessary, the sample location and type of analysis used. Be sure the methods conform to 40 CFR Part 136; if they do not, indicate what method was used.

New Dischargers should use the table to indicate what pollutants will be present or are suspected to be present in proposed waste streams by placing a “P” (expected to be present), “S” (may be present), or “O” (will not be present) under the average reported values.

SECTION G – Treatment

1. Is any form of wastewater treatment (see listed below) practiced at this facility?

☐ YES ☐ NO

2. Is any form of wastewater treatment (or changes to an existing wastewater treatment) planned for this facility within the next three years?

☐ YES ☐ NO

3. Treatment devices or processes used or proposed for treating wastewater or sludge. **(check as many as appropriate)**

☐ Air flotation
☐ Centrifuge
☐ Chemical precipitation

☐ Ozonation
☐ Reverse Osmosis
☐ Screen

- | | |
|--|--|
| <input type="checkbox"/> Chlorination | <input type="checkbox"/> Sedimentation |
| <input type="checkbox"/> Cyclone | <input type="checkbox"/> Septic tank |
| <input type="checkbox"/> Filtration | <input type="checkbox"/> Solvent separation |
| <input type="checkbox"/> Flow equalization | <input type="checkbox"/> Spill protection |
| <input type="checkbox"/> Grease or oil separation, type: | <input type="checkbox"/> Sump |
| <input type="checkbox"/> Grease trap | <input type="checkbox"/> Biological treatment, type: |
| <input type="checkbox"/> Grinding filter | <input type="checkbox"/> Rainwater diversion or storage |
| <input type="checkbox"/> Grit Removal | <input type="checkbox"/> Other chemical treatment, type: |
| <input type="checkbox"/> Ion exchange | <input type="checkbox"/> Other physical treatment, type: |
| <input type="checkbox"/> Neutralization, pH correction | <input type="checkbox"/> Other, type: |

4. Describe the pollutant loadings, flow rates, design capacity, physical size, and operation procedures of each treatment facility checked above.
5. Attach a process flow diagram for each existing treatment system. Include process equipment, by-products, by-products disposal method, waste and by-product volumes, and design and operating conditions.
6. Describe any changes in treatment or disposal methods planned or under construction for the wastewater discharge to the sanitary sewer. Please include estimated completion dates. _____

7. Do you have a treatment operator? ☐ YES ☐ NO
(If YES,) Name: _____ Title: _____
☐ Full time ☐ Part time Specify hours: _____
8. Do you have a manual on the correct operation of your treatment equipment?
☐ YES ☐ NO
9. Do you have a written maintenance schedule for your treatment equipment?
☐ YES ☐ NO

SECTION H – Facility Operational Characteristics

- ### 1. Shift Information

[illegible]

2. Indicate whether the business activity is:

- ☐ Continuous through the year, or
☐ Seasonal – Circle the months of the year during which the business activity occurs:

J F M A M J J A S O N D

COMMENTS: _____

3. Indicate whether the facility discharge is:

- ☐ Continuous through the year, or
☐ Seasonal – Circle the months of the year during which the business activity occurs:

J F M A M J J A S O N D

COMMENTS: _____

4. Does operation shut down for vacation, maintenance, or other reasons? ☐ YES ☐ NO

If Yes, indicate reasons and period when shutdown occurs: _____

5. List types and amounts (mass or volume per day) of raw materials used or planned for use *[Attach additional sheet if needed]* :

TYPES	Amounts	TYPES	Amounts
1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	

6. List types and quantity of chemicals used or planned for use *[Attach additional sheet if needed]*.
 Include copies of Manufacturer's Safety Data Sheets (if available) for all chemicals identified:

CHEMICAL	Quantity	CHEMICAL	Quantity
1.		6.	
2.		7.	
3.		8.	
4.		9.	
5.		10.	

7. Building Layout – Draw to scale the location of each building on the premises. Show map orientation and location of all water meters, storm drains, numbered unit processes (from schematic flow diagram), public sewers, and each facility sewer line connected to the public sewers. Number each sewer and show existing and proposed sampling locations.

SECTION I – Spill Prevention

1. Do you have chemical storage containers, bins, or ponds at your facility? ☐ YES ☐ NO

If yes, please give a description of their location, contents, size, type, and frequency and method of cleaning. Also indicate in a diagram or comment on the proximity of these containers to a sewer or storm drain. Indicate if buried metal containers have cathodic protection.

2. Do you have floor drains in your manufacturing or chemical storage area(s)? ☐ YES ☐ NO
If yes; Where do they discharge to? _____

3. If you have chemical storage containers, bins, or ponds in manufacturing area, could an accidental spill lead to a discharge to: **(check all that apply)**.

- | | |
|---|--|
| <input type="checkbox"/> onsite disposal system | <input type="checkbox"/> public sanitary sewer system (e.g. through a floor drain) |
| <input type="checkbox"/> storm drain | <input type="checkbox"/> other, specify: _____ |
| <input type="checkbox"/> to ground | <input type="checkbox"/> not applicable, <i>no possible discharge to any of the above routes</i> |

4. Do you have an accidental spill prevention plan (ASPP) to prevent spills of chemicals or slug discharges from entering the Pennsylvania American Water's collection system?

- ☐ YES – **[Please enclose a copy with the application]**
☐ NO
☐ N/A, *Not applicable since no floor drains and/or the facility discharge(s) only domestic wastes.*

5. Please describe below any previous spill events and remedial measures taken to prevent their reoccurrence.

SECTION J – Non-Discharged Wastes

1. Are any waste liquids or sludges generated and not disposed of in the sanitary sewer system?
☐ YES, *please describe below* ☐ NO, *skip the remainder of Section J.*

Waste Generated	Quantity/Year	Disposal Method
1.		
2.		
3.		
4.		
5.		

2. Indicate which wastes identified above are disposed of at an off-site treatment facility and which are disposed of on-site.

Waste Generated	Disposal Off Site or On Site
1.	
2.	
3.	
4.	
5.	

3. If any of your wastes are sent to an off-site centralized waste treatment facility, identify the waste and the facility.

Waste Generated	Facility
1.	
2.	
3.	

4. If an outside firm removes any of the above checked wastes, state the name(s) and address(es) of all waste haulers:

Name & Address	Permit #
1.	
2.	
3.	

5. Have you been issued any Federal, State, or local environmental permits?
☐ YES ☐ NO

If yes, please list the permit(s) and permit numbers:

SECTION K – Authorization Signatures & Agreements

COMPLIANCE CERTIFICATION:

1. Are all applicable Federal, State, or local pretreatment standards and requirements being met on a consistent basis?

☐ YES ☐ NO ☐ Not yet discharging

2. If No:

- a. What additional operations and maintenance procedures are being considered to bring the facility into compliance? Also, list additional treatment technology or practice being considered in order to bring the facility into compliance.
- b. Provide a schedule for bringing the facility into compliance. Specify major events planned along with reasonable completion dates. Note that if Pennsylvania American Water issues a permit to the applicant, it may establish a schedule for compliance different from the one submitted by the facility.

<u>Milestone Activity</u>	<u>Completion Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

PERMIT AGREEMENT

TO VALLEY TOWNSHIP

THE UNDERSIGNED BEING THE _____ OF
(Applicants Title)

THE PROPERTY LOCATED AT _____ DOES
(Address of the Industry)

HEREBY REQUEST A PERMIT TO _____ AN INDUSTRIAL
(Install-Use)

SEWER CONNECTION SERVING THE _____
(Name of Industry)

WHICH ENGAGED IN _____

AT THE SAID LOCATION, APPLICANT AGREES TO MEET ALL REQUIREMENTS AND PROVIDE ALL MATERIAL AND INFORMATION LISTED BELOW:

1. A map of the property showing accurately all sewers and drains.
2. A complete schedule of all process waters and raw industrial waste produced or expected to be produced before pretreatment (if any) at said property, including a description of the characteristics of each waste to be discharged to the public sewer system.
3. Plans and specifications covering all pretreatment facilities for waste treatment proposed to be performed on the waste under this Permit with a full description (laboratory analysis) and the maximum rate of discharges to the public sewer system.
4. Plans and specifications of the grease, oil, and sand/grit interceptors and control manhole.
5. Copies of all laboratory reports along with each quarterly Self-Monitoring Report.
6. To operate and maintain any waste pretreatment facilities as may be required as a condition of the acceptance into the public sewer on the industrial waste involved, in an efficient manner at all times, and at no expense Valley Township.
7. To cooperate with Valley Township and its representatives in they're inspecting, sampling, and study of the industrial waste and any facilities providing pretreatment.
8. To notify Valley Township immediately in the event of any accident, negligence, or other occurrence that occasions discharge to the public sewerage system of any waste or process water not covered by this Permit, and any waste in excess of the limits set forth in this permit and applications.
9. To accept and abide by all provisions of the Industrial Pretreatment Program of Valley Township, and all pertinent requirements that may be adopted in the future.
10. To accept and pay, when billed, the sewer service charge and industrial waste surcharge is over and above the published water and sewer rates as set for in Valley Township's Industrial Pretreatment Program.
11. To permit Valley Township immediate entry to the premises, including operational areas, pretreatment facilities, etc., for inspection, sampling, etc., in accordance with the Industrial Pretreatment Program requirements.
12. Provide Valley Township, upon request, information and data on the nature of operations, operational shifts, products produced, or services performed, chemicals used in process, and offsite disposal of waste.

13. To notify Valley Township, immediately of proposed or implemented changes in the nature, quality, or character of the discharge.
14. To accept and pay, at the time of application, a discharge permit processing fee as set by Valley Township.

Authorized Representative Statement:

Note to Signing Official: This is to be signed by an authorized official of your facility after adequate completion of this form and review of the information by the signing official.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

(Print Name)	(Title)	
(Signature)	(Date)	(Phone #)
(Driver License #)	(Home Address)	
(Emergency Phone #)	(City)	(State) (Zip)

PERMIT REQUIRED:

To the best of your knowledge and understanding of the information and data submitted, within this Survey/Application, require this establishment to be permitted to discharge its waste stream into the Valley Township sewage collection and treatment system.

☐ YES ☐ NO

If No, please specify: _____

(Signature)	(Date)
-------------	--------

VALLEY TOWNSHIP

COMMERCIAL/INDUSTRIAL USER SURVEY

1. Business Name: _____		Number of Employees: _____		Shift 1	Shift 2	Shift 3	Total
2. Physical Address: _____ _____		3. Mailing Address: _____ _____					
4. Name, title, and phone number of person authorized to represent business:							
NAME		TITLE			PHONE #		
5. Telephone Number: _____		6. Fax Number: _____					
7. Identify the type of business conducted at the location: (i.e. auto repair, machine shop, warehouse, retail sales, office, printing, food processing, manufacturer, photographic, car wash, auto sales, hospital, clinic, laboratory, etc.) _____							
NAICS/SIC Code(s): _____				Hours of Operation: _____			
8. Provide a brief description of service activities or products produced at this location: _____ _____							
9. This facility generates the following types of waste (check all that apply):							
Average gallons per day: (# of employees x 15 gal./person = Estimated Domestic Wastewater Flow)							
Domestic waste (restrooms, showers)	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Cooling water, non contact	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Cooling water, contact	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Boiler & Cooling Tower blow down	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Reverse Osmosis reject water	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Air pollution control unit (air scrubber)	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Equipment & facility wash down	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Process wastewater	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Storm Water	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
Other: _____	<input type="checkbox"/>	=	_____	<input type="checkbox"/>	Estimated	<input type="checkbox"/>	Measured
10. Wastes are discharged to:				11. List of chemicals used in your production/manufacturing process or stored in your facility (attach additional sheets if necessary):			
Public Sanitary Sewer System	<input type="checkbox"/>	<div style="display: flex; justify-content: space-between;"> <div style="width: 48%;"> 9. _____ 10. _____ 11. _____ 12. _____ 13. _____ 14. _____ 15. _____ 16. _____ </div> <div style="width: 48%;"> 9. _____ 10. _____ 11. _____ 12. _____ 13. _____ 14. _____ 15. _____ 16. _____ </div> </div>					
Waste Hauler (name & address)	<input type="checkbox"/>						
Private Treatment System	<input type="checkbox"/>						
Other (note below)	<input type="checkbox"/>						
Pretreatment Provided (check if yes)							
<input type="checkbox"/>							
Signature: _____				Date: _____			

Note: If after reviewing this form it is determined that you may be a Significant Industrial User, a discharge permit may be required.

BOROUGH OF KENNETT SQUARE
CHESTER COUNTY, PENNSYLVANIA

ORDINANCE NO. 942

**AN ORDINANCE AMENDING THE BOROUGH OF KENNETT SQUARE
MUNICIPAL CODE, CHAPTER 15, SEWERS AND SEWAGE USE DISPOSAL,
AMENDING ARTICLE II, *REGULATION OF DISCHARGES*, SECTION 15-9(a)
TABLE 1 AND 15-9(d)**

WHEREAS, the Kennett Square Borough Code, Chapter 15 Sewers and Sewage Use Disposal, among other things, sets forth requirements for the use of public and private sewers in the Borough and discharges to the Borough's sewer system from users located inside and outside of the Borough;

WHEREAS, the Borough's National Pollutant Discharge Elimination System (NPDES) Permit requires that the Borough conduct a Headworks Analysis establishing, among other things, revised Local Limits for Industrial Users as appropriate;

WHEREAS, the USEPA approved the Headworks Analysis submitted by the Borough on November 1, 2017, which requires the adoption of revised Local Limits.

NOW, THEREFORE, BE IT ENACTED AND ORDAINED by the Borough Council of the Borough of Kennett Square, as follows:

Section 1. The Kennett Square Borough Code, Chapter 15, Sewers and Sewage Use Disposal, Article II, Specific local pollutant limitations, section 15-9(a) Specific Local Pollutant Limitations Table 1 is replaced with the following table:

Parameter	Maximum Concentrations from User Connections to POTW (mg/L)
Chromium	0.90
Copper	0.20
Cyanide	0.008
Lead	0.06
Mercury	0.001
Molybdenum	2.20
Nickel	1.02
Selenium	0.14
Silver	0.33
Zinc	0.90
Phenols (total)	0.20

Section 2. The Kennett Square Borough Code, Chapter 15, Sewers and Sewage Use Disposal, Article II, Specific local pollutant limitations, section 15-9(d) pre-treatment requirements, is amended by adding the following:


- (7) Total Phosphorous: 18 mg/l
- (8) TDS: 3401 mg/l

Section 3. All other sections, parts, and provisions of Chapter 15, Sewers and Sewage Use Disposal shall remain in full force and effect as previously enacted and amended.

Section 4. The provisions of this ordinance are severable. If any provision, section, sentence, clause or part shall be held to be invalid, illegal, or unconstitutional by any court of competent jurisdiction, such invalidity, illegality or unconstitutionality shall not affect or impair the remaining provisions, sections, sentences, clauses or parts of the ordinance. It is hereby declared to be the intent that this ordinance would have been adopted as if such illegal, invalid, or unconstitutional provision, section, sentence, clause or part had not been included herein.

Section 5. This amendatory ordinance shall take effect and be in force from and after its enactment. The enactment date of this amendatory ordinance is the date when the Mayor shall approve it, or the date of passage by the Borough Council over the veto of the Mayor. If the amendatory ordinance is not returned by the Mayor at the regular meeting of Borough Council, occurring at least ten days after the meeting at which the amendatory ordinance was passed by the Borough Council, the date of enactment shall be the date of the succeeding regular meeting of Borough Council.

DULY ORDAINED and ENACTED this 20th day of February, 2018, by the Borough Council of the Borough of Kennett Square, Chester County, Pennsylvania, in lawful session duly assembled.

By: 
LaToya M. Myers
Borough Council President

ATTEST:

Karen L. Scherer
Borough Secretary

[BOROUGH SEAL]

Approved this 20th of February, 2018


Matthew W. Fetick
Mayor

January 8, 2021

EGMAU20007

East Goshen Municipal Authority

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

RE: Hershey's Mill Estates Sewer System Condition Assessment

Dear Mr. Miller:

We have analyzed the sanitary sewer televised videos from Tanglewood Drive to Greenhill Road in Hershey's Mill Estates conducted by Pipe Data View in December 2020, and we have prepared the following condition assessment and rehabilitation recommendations.

The attached "Exhibit #1 – Hershey's Mill Estates Condition Assessment" map shows the condition ratings of the sewer lines as either Poor Condition, Fair Condition, or Good Condition based on our analysis of the videos. Poor Condition sewer lines are those that have multiple 75-100% sags, rocks, blockages, severe grease build-up historically, and/or could not be fully televised accordingly. Fair Condition pipe runs are those that had multiple 25-50% sags, and/or had minor structural deficiencies. Good Condition sewer lines did not have any observed deficiencies.

A detailed breakdown of the analysis, with deficiencies identified per industry standard PACP terminology, is provided in the attached table, "Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization". It should be noted that we did not observe any notable infiltration or significant structural defects (eg. fractures, holes, breaks, crushed pipe, severe joint offsets). However, most of the pipes had standing water in large portions throughout the videos, which prevents a full circumferential observation for deficiencies. Therefore, some infiltration may be occurring given the age and location of the pipes alongside the stream in wet soils.

The pipes in Poor Condition are in urgent need of replacement and are considered the highest priority. The Fair Condition pipe runs also have sags throughout the lines that hold water, debris, and collect grease, and are considered to be at risk of further sagging and becoming Poor Condition. Consideration should therefore be given to replacing all of the following Poor and Fair Condition pipe runs comprehensively to mitigate the risk of future problems with the Fair Condition pipes.

The quantity and estimated cost of the recommended pipe replacements for the Poor and Fair Condition pipes are listed organized by high and medium priority in the following table. Three of the Fair Condition pipe runs listed in the "Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization" table are not recommended to be replaced. These pipes include the two 12" RCPs (R070-R068) since they only have minor sags and are not considered as susceptible to further sags as PVC pipe, and pipe run R128 to R085, which will only require a spot repair liner to address one circumferential crack.

We recommend that the sanitary sewers be replaced with ductile iron pipes to provide a rigid material given the wet subgrade conditions. However, a more rigid PVC pressure pipe, such as C900, could also be considered, but the cost difference is expected to be negligible. Water dams should be constructed along the new piping to preclude erosive flow of groundwater along the pipeline, such as via clay dams or concrete collars. Existing manholes are proposed to be re-used to the maximum extent possible to minimize cost and

disturbance. We did not investigate manholes as part of this assessment, but we understand from the Public Works Department that all but manhole R147 are in good condition.

We also propose that the piping and manhole under the tennis court be abandoned-in-place with new piping constructed around the perimeter to avoid reconstructing the tennis courts. This new piping is expected to require 2-3 new manholes.

The pipes in Good Condition are not recommended for any repair or replacement, but they should be routinely monitored to ensure that no problems arise in the future.

The following budget-level costs are based on \$350/LF for replacement pipe and \$15,000/manhole.

<i>Upstream Manhole</i>	<i>Downstream Manhole</i>	<i>Pipe Length (feet)</i>	<i>Pipe Dia. (inches)</i>	<i>No. Laterals</i>	<i>Estimated Cost</i>
HIGH PRIORITY					
R084	R083	*356	8	≥1	\$125,000
R083	R082A	*312	8	Unknown	\$109,000
R082A	R082	*100	8	Unknown	\$35,000
R147	R082A	226	8	0	\$139,000
R082	R081	*239	8	Unknown	\$84,000
R081	R080	225	8	≥1?	\$79,000
R078	R077	100	8	0	\$35,000
Total		1,558	-		\$606,000
MEDIUM PRIORITY					
R079	R078	219	8	2	\$77,000
R077	R076	256	8	0	\$90,000
R075	R074	191	8	0	\$67,000
R074	R073	160	8	0	\$56,000
R073	R070	226	8	0	\$79,000
Total		1,052	-		\$369,000
COMBINED TOTAL ESTIMATED COST					\$975,000

*Pipe runs were not fully televised, and their lengths were estimated using GIS.

If you should have any questions, please do not hesitate to contact me.

Sincerely,

PENNONI ASSOCIATES INC.


Michael J. Ellis, PE
Authority Engineer

Attachments: Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization
Exhibit #1 - Hershey's Mill Estates Condition Assessment

U:\Accounts\EGMAU\EGMAU20007 - Hershey's Mill Estates Sewer Replacement\DOC PREP\Hershey's Mill Estates Sewer Replacement Analysis_2021-01-08.docx

January 8, 2021

East Goshen Municipal Authority
Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization

	Street Name	Upstream Manhole	Downstream Manhole	Estimated Length (feet)	No. Laterals	Pipe Dia. (inches)	Pipe Material	Notes
Poor Condition	Easement	R084	R083	*356	≥1	8	PVC	Upstream Survey (0'-65.3') MWLS-2 (65.3'-79.4') MWLS-3 (79.4'-136.5') MWLS-3 (136.5'-147.6') MWLS-3 (147.6'-MSA) MWLS-3 (160.9') OBR/DSZ-5 & MSA
	Easement	R083	R082A	*312	*Unknown	8	Polypropylene Lining?	(22.1') JO-2 & ID-2 (0'-9.8') MWLS-2 (23.8'-33.0') MWLS-3 (48.2'-65.0') MWLS-2 (62.7'-65.3') DA-4 (65.0'-MSA) MWLS-3 (68.8') DSGV-5 & MSA
	Easement	R082A	R082	*100	*Unknown	8	PVC	Pipe run could not be televised Pipe run subject to excessive grease buildup
	Easement	R082	R081	*239	*Unknown	8	PVC	Downstream Survey: (0'-MSA) MWLS-5 Downstream Survey: (6.9'-7.7') OBR-5 & MSA Upstream Survey: (0'-10.8') MWLS-4 Upstream Survey: (18.8'-208.7') MWLS-5 Upstream Survey: (208.7') DSZ-5 & MSA
	Easement	R081	R080	225	≥1?	8	PVC	(17.6'-39.8') MWLS-3 (38.9'-52.6') MWLS-2 (56.9'-74.9') MWLS-5 (74.9'-81.2') MWLS-3 (81.2'-110.4') MWLS-5 (110.4'-116.2') MWLS-3 (125.2'-146.2') MWLS-2 (149.7'-157.8') MWLS-2 (162.2'-173.7') MWLS-2 (182.0'-187.8') MWLS-2 (197.1'-201.9') MWLS-2 (219.0') Water bubbling up (211.4'-MH R080) MWLS-2
	Easement	R078 (Drop)	R077	100	0	8	Polypropylene Lining?	(0'-10.1') MWLS-5 (10.1'-15.0') MWLS-3 (43.3'-71.6') MWLS-3 (85.2'-MH R077) MWLS-4
Fair Condition	Tanglewood Drive	R128	R085	50	0	8	PVC; VCP at Drop Connection	(41.1') CC-3 (46.3') MMC to VCP
	Easement	R147	R082A	226	0	8	Polypropylene Lining?	(220.8'-MH R082A) MWLS-3 Dark pipe/video; nearly impossible to see video
	Easement	R079	R078 (Drop)	219	2	8	Polypropylene Lining?	(9.3'-28.0') MWLS-3 (32.8'-42.2') MWLS-2 (45.6'-66.5') MWLS-3 (52.8') Unknown Feature - Retelevise (79.3'-101.5') MWLS-3 (118.5'-132.2') MWLS-3 (162.8'-178.0') MWLS-2 (188.0'-202.4') MWLS-2

January 8, 2021

East Goshen Municipal Authority
Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization

Fair Condition	Easement	R077	R076	256	0	8	Polypropylene Lining?	(0'-24.4') MWLS-3 (94.4'-103.3') MWLS-2 (159.1'-177.7') MWLS-2 (246.6'-MH R076) MWLS-3
	Easement	R075	R074	191	0	8	Polypropylene Lining?	(53.7'-64.0') MWLS-3 (87.2'-101.4') MWLS-2 (183.4'-MH R074) MWLS-2
	Easement	R074	R073	160	0	8	Polypropylene Lining?	(0'-15.9') MWLS-3 (27.8'-41.9') MWLS-2 (48.8'-59.7') MWLS-2 (75.5'-114.5') MWLS-2 (117.9'-132.2') MWLS-2 (139.1'-MH R073) MWLS-3
	Easement	R073	R070	226	0	8	Polypropylene Lining?	(22.5'-50.0') MWLS-2
	Easement	R070	R069	99	0	12	Reinforced Concrete Pipe	(12.4'-17.9') MWLS-2 (52.9'-59.5') MWLS-2 (80.0'-87.1') MWLS-2
	Easement	R069	R068	170	0	12	Reinforced Concrete Pipe	(168.8') JO-3
Good Condition	Easement	R085	R084	115	0	8	PVC	Good Condition
	Easement	R080	R079	145	1	8	Polypropylene Lining?	Good Condition
	Easement	R076	R075	131	0	8	Polypropylene Lining?	Good Condition
	Greenhill Road	R068	R067	100	0	12	PVC	Apparent IR & OBN at MH R067 Public Works Director confirmed no IR or OBN
<p>Legend:</p> <div style="display: flex; justify-content: space-between;"> <div> <p>CC - Crack Circumferential</p> <p>DA - Deposits Attached</p> <p>DSGV - Deposits Settled - Gravel</p> <p>DSZ - Deposits Settled - Other</p> </div> <div> <p>ID - Infiltration Dropper</p> <p>IR - Infiltration Runner</p> <p>JO - Joint Offset</p> <p>MMC - Material Change</p> </div> <div> <p>MSA - Survey Abandoned</p> <p>MWLS - Sag in Line Water Level</p> <p>OBN - Construction Debris</p> <p>OBR - Rock</p> </div> </div>								

Note(s):

(1) The numbers after each designation are based on the PAPC Guideline rating system. The rating system goes from 1 to 5, where 5 is the worst condition.

*Pipe runs were not fully televised, and their lengths were estimated using GIS.

January 8, 2021

East Goshen Municipal Authority
Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization

	Street Name	Upstream Manhole	Downstream Manhole	Estimated Length (feet)	No. Laterals	Pipe Dia. (inches)	Pipe Material	Notes
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	Easement	R083	R082A	*312	*Unknown	8	Polypropylene Lining?	(22.1') JO-2 & ID-2 (0'-9.8') MWLS-2 (23.8'-33.0') MWLS-3 (48.2'-65.0') MWLS-2 (62.7'-65.3') DA-4 (65.0'-MSA) MWLS-3 (68.8') DSGV-5 & MSA
	Easement	R082A	R082	*100	*Unknown	8	PVC	Pipe run could not be televised Pipe run subject to excessive grease buildup
	Easement	R082	R081	*239	*Unknown	8	PVC	Downstream Survey: (0'-MSA) MWLS-5 Downstream Survey: (6.9'-7.7') OBR-5 & MSA Upstream Survey: (0'-10.8') MWLS-4 Upstream Survey: (18.8'-208.7') MWLS-5 Upstream Survey: (208.7') DSZ-5 & MSA
	Easement	R081	R080	225	≥1?	8	PVC	(17.6'-39.8') MWLS-3 (38.9'-52.6') MWLS-2 (56.9'-74.9') MWLS-5 (74.9'-81.2') MWLS-3 (81.2'-110.4') MWLS-5 (110.4'-116.2') MWLS-3 (125.2'-146.2') MWLS-2 (149.7'-157.8') MWLS-2 (162.2'-173.7') MWLS-2 (182.0'-187.8') MWLS-2 (197.1'-201.9') MWLS-2 (219.0') Water bubbling up (211.4'-MH R080) MWLS-2
	Easement	R078 (Drop)	R077	100	0	8	Polypropylene Lining?	(0'-10.1') MWLS-5 (10.1'-15.0') MWLS-3 (43.3'-71.6') MWLS-3 (85.2'-MH R077) MWLS-4
Fair Condition	Tanglewood Drive	R128	R085	50	0	8	PVC; VCP at Drop Connection	(41.1') CC-3 (46.3') MMC to VCP
	Easement	R147	R082A	226	0	8	Polypropylene Lining?	(220.8'-MH R082A) MWLS-3 Dark pipe/video; nearly impossible to see video
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January 8, 2021

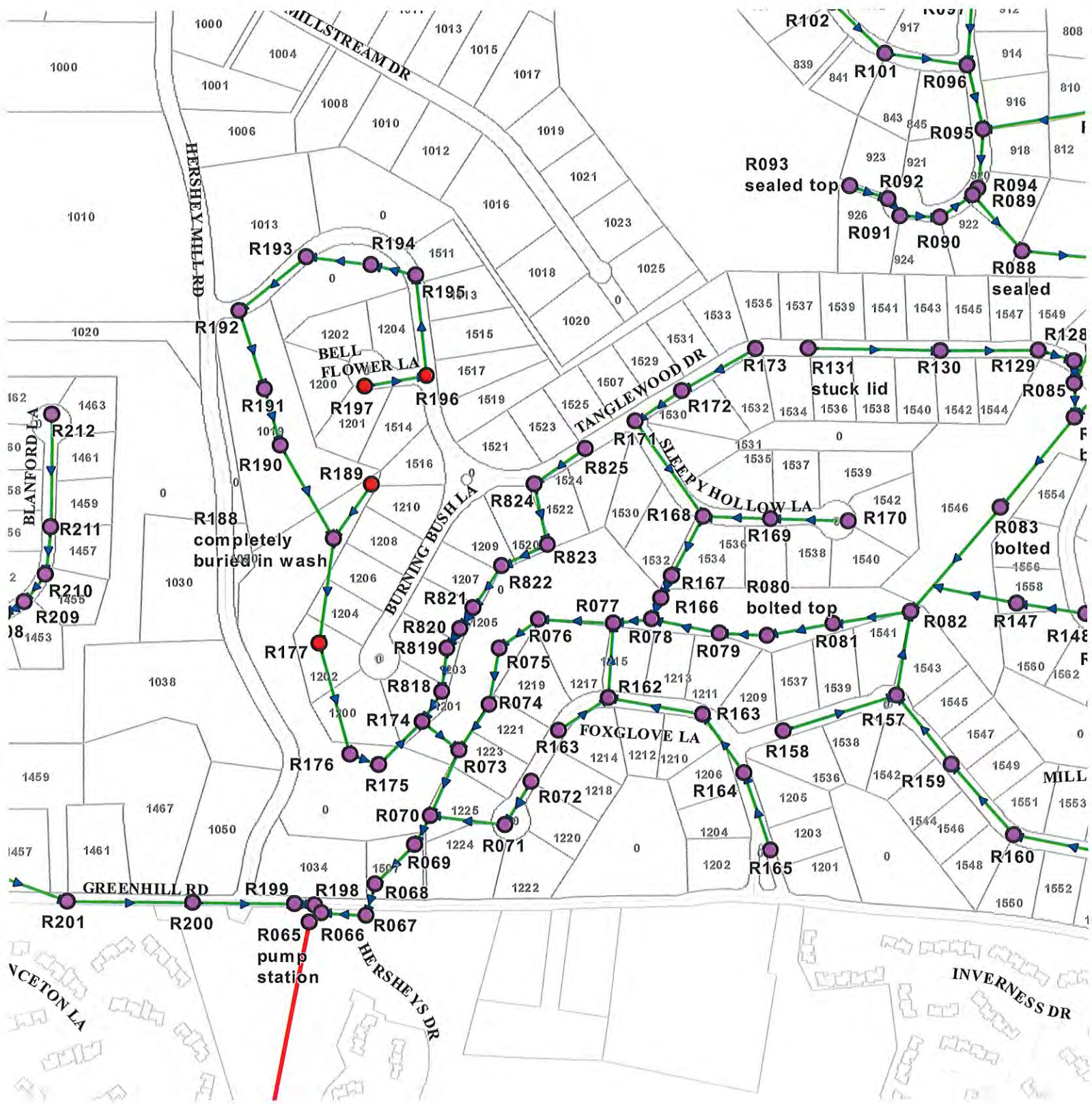
East Goshen Municipal Authority
Hershey's Mill Estates Sanitary Sewer Deficiency Prioritization

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	Easement	R070	R069	99	0	12	Reinforced Concrete Pipe	(52.9'-59.5') MWLS-2 (80.0'-87.1') MWLS-2
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Easement		R080	R079	145	1	8	Polypropylene Lining?	Good Condition
Easement		R076	R075	131	0	8	Polypropylene Lining?	Good Condition
Greenhill Road		R068	R067	100	0	12	PVC	Apparent IR & OBN at MH R067 Public Works Director confirmed no IR or OBN
Legend:								
CC - Crack Circumferential			ID - Infiltration Dropper			MSA - Survey Abandoned		
DA - Deposits Attached			IR - Infiltration Runner			MWLS - Sag in Line Water Level		
DSGV - Deposits Settled - Gravel			JO - Joint Offset			OBN - Construction Debris		
DSZ - Deposits Settled - Other			MMC - Material Change			OBR - Rock		

Note(s):

(1) The numbers after each designation are based on the PAPC Guideline rating system. The rating system goes from 1 to 5, where 5 is the worst condition.

*Pipe runs were not fully televised, and their lengths were estimated using GIS.



TO: PMAA MEMBER AUTHORITIES
FROM: DOUGLAS E. BILHEIMER, EXECUTIVE DIRECTOR
DATE: DECEMBER 15, 2020
SUBJECT: 2020 ROSTER SHEET

We have enclosed our newly designed Roster Sheet for 2020. Please review this form and make changes as outlined below. Return the original corrected copy to the PMAA office as soon as possible.

Please Note: This print-out may contain typographical errors. Please check all information very closely and correct as required. Print corrections legibly, using red or bright ink (no pencil). PLEASE BE ACCURATE. This information is essential for printing the 2021 Directory, to assure correct addresses for mailings, and processing of membership dues.

PAGE 1

Section 1: Authority Information:

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

Section 2: Revenue Information:

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

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

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

Section 3: Staff Information:

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

Section 4: Important Information:

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

(over)

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

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

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

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

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

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

Authority Information:

East Goshen Municipal Authority

1580 Paoli Pike

West Chester, PA 19380

Telephone: (610) 692-7171

Fax: (610) 692-8950

Email: egtadmin@eastgoshe.org

Website: www.eastgoshe.org

Type of Project: Sewer

Type of Authority: Leaseback

MEMBERSHIP ROSTER FOR 2021

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

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

Gross Revenues: \$0.00

(Total from service charges if an Operating Authority)

Fiscal Year Ends: December 31

Leaseback Revenue: \$780,251.00
(If Project is a Leaseback Authority)

Bonded Debt: \$8,596,000.00

Change:

Staff Information:

Number of Full-Time Employees: 0

Number of Part-Time Employees: 0

Number Covered by Collective Bargaining: 0

Number of Board Members: 5

Change:

Please respond to the questions below: (IMPORTANT)

Water Service (Size of System):

Number of connections:

Residential _____ Commercial _____ Bulk _____ Fire _____ Industrial _____

Flow (Total average gallons per day):

Residential _____ Commercial _____ Bulk _____ Fire _____ Industrial _____

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

Sewer Service (Size of System):

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

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

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

Stormwater Authority:

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

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

Municipalities Served:

Number of municipalities served by your Authority: 5

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

Assistant Township Manager: Jon Altshul

1580 Paoli Pike, West Chester, PA 19380

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

Director or Public Works: Mark S. Miller

1580 Paoli Pike, West Chester, PA 19380

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

Chair: Kevin Cummings

1606 Williams Way, West Chester, PA 19380

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

Vice Chair: Phil Mayer

922 Saratoga Drive, West Chester, PA 19380

Phone: (610) 692-7171 | Email:

Secretary: Dana Pizarro,

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

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

Treasurer: Jack Yahraes

911 Vista Drive, West Chester, PA 19380

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

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

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

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

Engineer: Pennoni Associates Inc./Michael Ellis, PE

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

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

Auditor: Maillie LLP

140 Whitaker Avenue, PO Box 680, Oaks, PA 19456

Phone: (610) 935-1420 | Email: firm@maillie.com