

EAST GOSHEN MUNICIPAL AUTHORITY

October 8, 2018

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. September 10, 2018

5. APPROVAL OF INVOICES

Pennoni Invoice #823030	\$	220.75
Pennoni Invoice #823031	\$	4,618.50
Pennoni Invoice #823033	\$	1,333.75
Payment Application No. #2 Pennoni	\$	21,614.20
Gawthrop Invoice #199945	\$	500.00

6. LIAISON REPORTS

7. FINANCIAL REPORTS

- a. September Financial Report

8. OLD BUSINESS

- a.

9. GOALS

- a. Continue to monitor the upgrades at West Goshen Sewer Plant. Jack and Phil have been attending meetings.de
- b. Continue to implement the I&I Plan - 3-8-2018 completed
- c. Submit articles for the newsletter - none

10. NEW BUSINESS
 - a. Pump Replacement for Ashbridge Pump Station \$23,686.00
 - b. Change order #3 Pennoni
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

October 3, 2018

To: Municipal Authority
From: Mark Miller
Re: September 2018 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 748,000 gallons per day. No problems to report.

Meters: The meters are being read on a daily basis. We have had a power problem with the Paoli Pike meter, however I believe we corrected the problem.

C.C. Collection: The month has been very busy, we had some problems with the Barkway Pump Station. The pumps were not pumping to capacity, we found Pump #1 was burned out and Pump #2 was very weak. We pulled both pumps out and sent them to Deckman for repair. Both pump cutters were jammed up with towels. I would recommend that we speed up the process of installing the Muffin Monster. The original plans called for us to install the Muffin Monster in the wet well however, the wet well is getting crowded. I would recommend that we do a separate manhole for the Muffin Monster.

We also had problems with the Ashbridge Pump Station. After checking the amperage, we found pump #2 pulling more amps than pump #1. We pulled the pump and sent it to Deckmens. I checked the records and found that the pumps at Ashbridge are the original pumps that were built in 1985 and installed in 1987. This will make them 33 years old. Being that the pump housings have been submerged in sewage for that long I would recommend that we order a new pump now at a cost of \$23,686.00 with 8 to 12-week delivery time. Then in 2019, order a second pump. These pumps are very hard to get parts for, if you recall over the years we have always tried to keep spare internal parts on the shelves so they are readily available. We also televised several suspicious

areas where we thought we were getting INI. We did find that a manhole between Wylpen Place and the station was taking n in ground water.

R.C. Collection:

the pumping station was visited on a daily basis with no problems to report. Mr. Brandolini called to report a problem with his lateral. We televised it and found that the lateral has pulled apart on the house side of the trap. Mr. Brandolini was told what was found and that when his plumber makes the repair he is to contact the Public Works Department to inspect the repairs. Pipe Date View has been contacted to come in and televise areas of concern in Quad #2 and Quad #4.

Ridley Creek:

We installed the rebuilt blower. I have received pricing to install a Splitter Cooling System for the control room in the older building. 2019 budget.

Alarms:

We responded to 23 alarms for the month of September.

PA One Calls:

We received 97 PA One calls in September.

Rainfall:

September rainfall total was 9.81



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**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
October 3, 2018**

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic soda pilot study – A summary and recommendations report has been prepared and will be issued prior to the October MA meeting.
- SBR coatings –
 - Following the September MA meeting, we prepared a revised budgetary cost estimate for a reduced scope to only coat the portions of walls that are not current coated. Removal and replacement of existing CIM coatings was deleted from the cost estimate as was coating installation on the tank floors. The revised estimate is attached with reduced quantities; unit prices were not changed. We also provided updates on the applicable cost projections for the 5-year Capital Improvement Plan.
 - Contact information for Chase Corporation (CIM manufacturer) was provided to the Township to conduct further discussions on detailed scope and to obtain updated pricing from the manufacturer.
 - We will conduct a visual inspection of the concrete and coating conditions in the next tank when it is taken offline, which we understand is tentatively scheduled for November.
 - It is our understanding that the warranty expires in October 2019.

RCSTP and Pump Stations' O&M Manual

- We recommend the Manual be revisited to determine if updates are needed and/or if new information has become available to incorporate now that it has been in place for one full year.

Supplee Valley Pipe Lining

- We processed a final payment application and reviewed contract closeout documents from SWERP, and we submitted a final payment recommendation letter.

Barkway Pump Station Grinder

- We have revisited the approach to installation of the Muffin Monster inside the wet well with Mark Miller and the equipment vendor due to recent accessibility issues within the wet well experienced by the Public Works Department during emergency pump replacements. Installation of an upstream Muffin Monster within a prefabricated manhole is being explored again in more detail as a result. An updated equipment quote of \$58,000 was obtained from the vendor for the manhole system. For reference, the wet well mounted system material cost is \$33,450, so the outside unit is approximately \$25,000 more. However, the Township has received a \$32,309 grant for the project from the PA DCED Small Water and Sewer Grant program, which would help to offset this additional cost.
- Our design was 95% complete for the internal Muffin Monster. If the manhole system is to be pursued, we would need to revise the design and plans, coordinate with the vendor, perform a limited field

survey to determine existing sewer elevations for design of the manhole location and depth as well as topography, obtain PA One Call utility information, prepare a limited existing site plan, and provide notification of the proposed system to DEP. We propose this additional effort for a lump sum of \$7,000.00.

Ashbridge Pump Station Force Main

- Test pits will be performed to identify backfill conditions along Manley Road with one test pit on Edith Lane, as recommended by the Municipal Authority, when weather permits. *No update since our last report.*

Tallmadge Drive Sewer Main Replacement

- The contractor provided all required insurance and bonding documents, and the contract has been executed. A pre-construction meeting was held on October 2. The contractor is planning to start the work in mid-November, and he anticipates 2 weeks to complete the project. The contract allows for 20 consecutive calendar days.

I&I Support and Reporting

- We intended to analyze meter data and submit the next semi-annual I&I report following completion of the Supplee Valley pipe lining project so that the impact of that project can be assessed. However, there have been issues with obtaining instantaneous meter data from the permanent collection system meters. If instantaneous data is not available, we will perform a limited analysis of all permanent meters based on daily flow data, and we will prepare a semi-annual I&I report accordingly. We propose to make a summary Powerpoint presentation at a MA meeting once the next report is submitted.

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.

Capital Improvement Planning

- We provided updated cost information for the SBR Coatings as discussed above.



**RCSTP SBR Tanks Coatings
Opinion of Probable Costs**

9/12/2018

PRE-DESIGN BUDGETARY OPINION

This estimate is based upon maintaining the existing coatings as-is and only coating the currently uncoated portions of the walls.

Description	Quantity	Unit	Unit Price	Cost
Tank 1				
86' x 16' Wall Coating Removal	0	SF	\$ 5	\$ -
1 - 86' x 8' Walls Coating	688	SF	\$ 20	\$ 13,760
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	0	SF	\$ 20	\$ -
Subtotal				\$ 32,960
Tank 2				
2 - 86' x 16' Wall Coating Removal	0	SF	\$ 5	\$ -
2 - 86' x 8' Walls Coating	1,376	SF	\$ 20	\$ 27,520
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	0	SF	\$ 20	\$ -
Subtotal				\$ 46,720
Tank 3				
2 - 86' x 16' Wall Coating Removal	0	SF	\$ 5	\$ -
2 - 86' x 8' Walls Coating	1,376	SF	\$ 20	\$ 27,520
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	0	SF	\$ 20	\$ -
Subtotal				\$ 46,720
Tank 4				
86' x 16' Wall Coating Removal	0	SF	\$ 5	\$ -
1 - 86' x 8' Walls Coating	688	SF	\$ 20	\$ 13,760
2 - 20' x 24' Walls Coating	960	SF	\$ 20	\$ 19,200
20' x 86' Floor Slab Coating	0	SF	\$ 20	\$ -
Subtotal				\$ 32,960
Subtotal				\$ 159,360
Construction Contingency		Percent	20%	\$ 31,872
Construction Total				\$ 191,232
Engineering & Inspections		Percent	15%	\$ 28,685
GRAND TOTAL (rounded)				\$ 220,000

NOTE: An engineering opinion of probable construction cost is made by an engineer, and not by a professional construction cost estimator or construction contractor. The accuracy of the engineering opinion cannot be guaranteed.



Executive Summary

The Ridley Creek sewage treatment plant outfalls 001 and 002 achieved compliance with the permitted effluent discharge limitations for during the month of August 2018. Discharge to the Applebrook irrigation lagoon continued during the month. Chemical usage utilized for total phosphorus removal, 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.

Treatment Process Operation

Table 1 illustrates the final effluent composite sample data reported for the August 2018 DMR.

Table 1

August 2018 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	Average	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
August 7, 2018	0.185	3.1	4.8	1	1.5	0.139	0.21	0.10	0.15	1	0.0000
August 14, 2018	0.325	3.5	9.5	6	16.3	0.338	0.92	0.25	0.68	68	1.8325
August 21, 2018	0.321	2.6	7.0	3	8.0	0.195	0.52	0.19	0.51	1	0.0000
August 28, 2018	0.202	2.0	3.4	2	3.4	0.180	0.30	0.35	0.59	1	0.0000
Average	0.258	2.7	6.6	4	9.2	0.238	0.58	0.26	0.59	23	0.6108
Minimum	0.185	2.0	3.4	1	1.5	0.139	0.21	0.10	0.15	1	0.0000
Maximum	0.325	3.5	9.5	6	16.3	0.338	0.92	0.35	0.68	68	1.8325

The total phosphorus monthly average was reported as 0.26 mg/L as compared to the permitted limitation of 0.50 mg/L. Total phosphorus discharge concentrations ranged from 0.10 to 0.35 mg/L. The ammonia as nitrogen monthly concentration



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Report:
September 2018**

was reported as 0.238 mg/L as compared to the permit discharge limitation of 2.5 mg/L. The ammonia as N weekly maximum was 0.338 mg/L. The total suspended solids (TSS) monthly concentration was reported as 4 mg/L as compared to the permit discharge limitation of 10 mg/L. The weekly maximum concentration was 6 mg/L as compared to the permit discharge limitation of 15 mg/L.

Table 2 illustrates the final effluent composite sample data reported for the August 2018 DMR.

Table 2

August 2018 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
		40		42							
August 7, 2018	0.1532	3.1	4.0	1	1.3	0.139	0.178	0.10	0.13	1	0.0000
August 14, 2018	0.1527	3.5	4.5	6	7.6	0.338	0.430	0.25	0.32	68	1.8325
August 21, 2018	0.1511	2.6	3.3	3	3.8	0.195	0.246	0.19	0.24	1	0.0000
August 28, 2018	0.1472	2.0	2.5	2	2.5	0.180	0.221	0.35	0.43	1	0.0000
Average	0.1511	2.8	3.5	3	3.8	0.213	0.269	0.22	0.28	18	0.4581
Minimum	0.1472	2.0	2.5	1	1.3	0.139	0.178	0.10	0.13	1	0.0000
Maximum	0.1532	3.5	4.5	6	7.6	0.338	0.430	0.35	0.43	68	1.8325

The monthly average influent wastewater pollutant concentrations and loading entering the wastewater treatment facility remained within the design concentrations. Composite samples are collected at the influent doghouse manhole and influent wet well. The influent flow meter reading is collected from the influent flow meter located prior to the Screening Building, excluding the internal recycle flows.

Table 3 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during August 2018.



Table 3

August 2018 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
	MGD Average	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
		335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
August 7, 2018	0.452	297	1,119	488	1,838	34.9	131	34.5	130	3.0	11.3
August 14, 2018	0.558	96	362	96	362	12.5	58	12.1	56	7.0	26.4
August 21, 2018	0.603	132	497	168	633	24.3	122	31.3	157	3.4	12.8
August 28, 2018	0.466	247	930	344	1,296	26.2	102	42.0	163	5.9	22.2
Average	0.520	193	727	274	1032	24.5	103	30.0	127	4.8	18.2
Minimum	0.452	96	362	96	362	12.5	58	12.1	56	3.0	11.3
Maximum	0.603	297	1,119	488	1838	34.9	131	42.0	163	7.0	26.4

Table 4 presents the available Outfall 001 final effluent data for the month of September 2018. Continued maintenance activities of cleaning the alum static mixer injector, flushing of the alum chemical piping to the SBRs and weekly draining and cleaning of the disc filters.

The facility is anticipated to achieve compliance with the discharge permit limitations during the month of August 2018. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.

During August, the presence of foam conditions on the surface of the SBRs remained consistent at approximately 75% to 100% coverage of the surface area. The foam thickness is approximately 3 to 4 inches with a light to medium brown color. The warmer water temperatures within the SBRs, coupled with raising the food to mass ratios, the foam concentrations have decreased.



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Table 4

September 2018 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	10	131	2.5	44	0.5	3	200	1,000
		40		42							
Sample Date											
September 4, 2018	0.225	2.0	3.8	3	5.6	3.21	6.02	0.19	0.36	1	0.0000
September 11, 2018	0.364	2.0	6.1	2	6.1	0.100	0.30	0.14	0.43	1	0.0000
September 18, 2018	0.447	3.6	13.4	2	7.5	0.123	0.46	0.14	0.52	2	0.3010
September 25, 2018	0.503							0.10	0.42		
Average	0.385	2.5	7.7	2	6.4	1.144	2.26	0.14	0.43	1	0.1003
Minimum	0.225	2.0	3.8	2	5.6	0.100	0.30	0.10	0.36	1	0.0000
Maximum	0.503	3.6	13.4	3	7.5	3.210	6.02	0.19	0.52	2	0.3010

Table 5 presents the available September data for Outfall 002, Applebrook. The discharge limitations for Outfall 002 are anticipated to remain within compliance with the NPDES permit. Discharge to Applebrook, Outfall 002 was 4,410,592 gallons during September.

Table 5

September 2018 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
		40		42							
September 4, 2018	0.1497	2.0	2.5	3	3.7	3.210	4.008	0.19	0.24	1	0.0000
September 11, 2018	0.1461	2.0	2.4	2	2.4	0.100	0.122	0.14	0.17	1	0.0000
September 18, 2018	0.1510	3.6	4.5	2	2.5	0.123	0.155	0.14	0.18	2	0.3010
September 25, 2018	0.1515							0.10	0.13		
Average	0.1496	2.5	3.2	2	2.9	1.144	1.428	0.14	0.18	1	0.1003
Minimum	0.1461	2.0	2.4	2	2.4	0.100	0.122	0.10	0.13	1	0.0000
Maximum	0.1515	3.6	4.5	3	3.7	3.210	4.008	0.19	0.24	2	0.3010



Table 6 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during September 2018.

Table 6

September 2018 - 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											
September 4, 2018	0.457	192	731	208	792	23.1	88	34.6	132	6.2	23.6
September 11, 2018	0.594	160	609	188	716	16.1	80	24.1	119	2.9	11.0
September 18, 2018	0.724	108	411	224	853	18.8	113	19.6	118	3.8	14.5
September 25, 2018	0.731										
Average	0.626	153	584	207	787	19.3	94	26.1	123	4.3	16.4
Minimum	0.457	108	411	188	716	16.1	80	19.6	118	2.9	11.0
Maximum	0.731	192	731	224	853	23.1	113	34.6	132	6.2	23.6

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during August and September. 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 is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. Soda ash assists towards maintaining SBR pH concentrations above 7.0 standard units and assists to replenish alkalinity consumed during the nitrification process and aluminum sulfate solution addition.

Significant Rainfall

During September, there were sixteen (16) days when rainfall occurred. Seven (7) storm events resulting in a daily precipitation amount equal to or greater than 0.50 inches measured during a 24-hour period as well as consecutive days of



RCSTP Monthly Operations Report: September 2018
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precipitation exceeding 0.5 inches of rainfall. A total of 10.52 inches of rainfall measured during the month. These events occurred on:

September 1 st	0.94 inches
September 7 th	0.30 inches
September 8 th	1.82 inches
September 9 th	0.83 inches
September 10 th	1.12 inches
September 11 th	0.07 inches
September 12 th	0.06 inches
September 13 th	0.21 inches
September 14 th	0.04 inches

Eight (8) consecutive days of rainfall for a total of 4.45 inches

September 18 th	1.33 inches
September 23 rd	0.04 inches
September 24 th	0.64 inches
September 25 th	0.45 inches
September 26 th	1.00 inches
September 27 th	0.32 inches
September 28 th	1.35 inches

Six (6) consecutive days of rainfall for a total of 3.80 inches

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.

PA DEP

No activity

Solids Dewatering and Disposal:

September 2018	
Gallons of sludge dewatered	278,729 gallons
Number of dumpsters	4

**Sixteen (16) days of centrifuge operation*



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Chemical Usage:

September 2018		
Chemical	Daily Average	Total Monthly
Soda Ash	257	7,700 gallons
Aluminum Sulfate solution	52.3	1,569 gallons
Polymer (centrifuge)	0.85	14.45 gallons

**Seventeen (17) days of centrifuge of operation*

Flow data:

September 2018			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	24.646	821,528	1,394,410
Influent Wastewater to SBRs	17.720	590,682	903,808
Internal Recycle	NA	NA	NA
Treated Effluent to Disc Filters	17.419	580,634	855,808
Final Effluent Discharge	9.944	331,467	557,000
Applebrook Golf Course	4.411	151,442	163,952

Conversation with John Laidley, (M&S) suggested that the meter be removed and returned to the factory for repair. The influent flow data to the SBR was used to prepare the influent flow supplemental form, which is also used for the PA DEP Chapter 94 report.

Minor Preventative Maintenance

Flushed chemical feed lines to the SBRs.

Cleaned piping within SBR building

Cleaned final effluent weir trough daily

Skimmed surface of disc filters daily

Drained and cleaned disc filters bi-weekly



Major Preventative Maintenance Activities

Blower B1B

The blower was removed and sent out for evaluation by the Township.

SBR 2

Repairs were completed to the tank. The motive pump was rebuilt and reinstalled by the Township staff.

SBR 1 Motive Pump

Observed a seal failure. The pump is operational and under observation.

Aqua Aerobic Disc Filters

On September 11th, valve number 1 on disc filter number 2 was replaced. In addition, valve number 1 on disc filter number 1 was replaced. Eight (8) new valves were ordered by the Township. As a proactive measure, on September 18th, the remaining three (3) valves were replaced with new valves and on September 19th, the remaining three (3) valves on disc filter number 2 were replaced.

It is worthy to mention that during the year 2010, Aqua Aerobic replaced all eight (8) valves as a warranty claim during the initial phase of operation of the new treatment facility.

Fine Screen Unit

On September 12th, completed a patch repair on the auger basket to improve removal of rags. The unit has been in continual service for eight (8) years. A visit with the vendor to review and evaluate recommended fine screen maintenance and repairs is planned during October.



UV System

The Ridley Creek WWTP has a Barrier Sunlight H-4XE-HO-5W-2B-1C, Vineland Project 550001 UV system. One of the UV module power connectors (Harting) has been burned up. The manual we have does not have any description, or part numbers for this plug/connector. Since operation commenced during 2010, this system has continually experienced ballast failures, both Siemens products and after market products. The Township has implemented corrected actions to improve the power supply to the UV system, however, it appears that the issue may be related to the original connectors provided by Siemens. Below are key discussion points with Siemens during the past couple of months working to identify a solution for a failed rack on UV bank number 2.

Siemens commented that the power connector is *"indeed Horrible. The lead Service technician, Steve, and his team have gone around the country re-habbing this module. They often have plants send us or drive us the modules for repair. In your case, driving it here is better."*

They suggested that sometimes, the wrong parts or inferior aftermarket components will cause things to burn up. They have requested where the parts are coming so they can diagnose. They believe something does not look right.

About the photos sent of the UV Control panel, their electrical guys say there are way too many wires just sitting on the bottom of the enclosure. This causes cross talk and other issues as the ballasts and lamps are sensitive.

Siemens reports that there is nothing they can do onsite. They recommend bringing the modules 2.5 hours from West Chester to new Jersey for the to rebuild. Siemens reported that they don't have time or equipment to fix it on site.

Siemens recommends delivering one (1) entire bank of UV modules, which is five (5) racks, for they to rebuild. They commented that don't look to make a huge profit when doing rehabs. They cover our costs and then put in some profit.

I was wondering if you could provide me with part numbers, and pricing for this plug? I really can't find any additional numbers, or information for the system.

Around the 2010 – 2011, one the UV racks caught fire and required replacing. The decision was to deliver on of the racks to new Jersey for rebuilding.



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Recommendation:

Remove and deliver one (1) entire bank, five (5) racks, to Siemens in New Jersey for rebuilding. After the rebuilt racks are returned and installed, evaluate operation, note any failures or problems for a period of four (4) months. If problems continue, work with Siemens to resolve the issues. Should no problem exist, send the second UV bank during mid 2019 for rebuilding.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
September 10, 2018

The East Goshen Township Municipal Authority held their regular public meeting on Monday, September 10, 2018 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Jack Yahraes, Dana Pizarro, Phil Mayer and Kevin Cummings. Also in attendance were: Jon Altshul (Asst. Township Manager), Mark Miller (Public Works Director), Michael Ellis (Pennoni), Scott Towler (Plant Operator), Jessica Wiesak (Attorney) and Walter Wujcik (Conservancy Board).

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

Jack 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 troops and first responders.

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

The Municipal Authority and their engineer had a tour of the West Goshen Plant before tonight’s meeting.

Chairman’s Report

Jack reported that he attended the West Goshen meeting. The agreement with West Whiteland is done. They don’t inspect for illegal connections. On September 20, 2018 the Board of Supervisors will hold their regular meeting and want the Sewer Authority to be there because of the rate increase. Also, there will be a tour for the public of the West Goshen Sewer Plant on September 26, 2018.

Sewer Reports

1. Director of Public Works, Mark Miller’s report for August:

Monthly Flows: The average daily flow to West Goshen was 787,000 gallons per day. No problems to report.

Meters: The meters are being read on a daily basis. The meters were calibrated two weeks ago with no problems. The Paoli Pike meter is out of service due to a PECO problem. They have been notified and we are waiting on them for repairs.

C.C. Collection: The pump stations were visited on a daily basis. The emergency generators were serviced; no problems were found. The older generator at Ridley is going through engine oil so much that we have started checking it on a weekly basis. This unit is scheduled to be replaced in 2019. As you know, the Muffin Monster at Ashbridge is on its way out. I hope to have it replaced next week.

1 We were notified of a sewer lateral back up in Marydell. We plunged the lateral to clear the
2 backup. We had a phone line problem at Ashbridge and Verizon was notified and the line has
3 been repaired.

4 R.C. Collection: There were no problems to report for the month.

5 R.C. Plant: The pumps were picked up at Deckmens and returned to SBR2.

6 Alarms: We responded to 15 alarms for August.

7 PA One Calls: We received 61 PA One calls for August.

8 Rainfall: August rainfall total was 10.85 inches.

9 Mark also reported that the school across the street from the Township Building had a sewer
10 malfunction. A trap was broken. It was fixed today. The school was closed for 2 days. There was a
11 lot of ground water.

12

13 **2. Pennoni Engineer's Report for July**

14 **Invoices**

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

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

- 17 • Caustic soda pilot study – Upon receipt of Big Fish's study analysis , a summary report will
18 be issued.
- 19 • SBR Coatings –
 - 20 ○ We will submit a report summarizing our structural engineer's visual inspection of the
21 SBR #2 wall coatings and concrete conditions prior to the September MA meeting.
22 Notably, there is corrosion occurring on certain iron piping and fittings for which
23 blasting & coating and replacement is recommended.
 - 24 ○ A meeting was conducted at the site to determine the coating blistering repair
25 approach in SBR#2 with Pennoni, Dutchland, Township staff and Kevin Cummings.
26 Dutchland subsequently made spot repairs to blisters on the walls.
 - 27 ○ We also sampled the pH of water behind the blisters in SBR#2. The pH of water in
28 blisters on the floor was 14, and the pH of blisters on the wall was 10-11. However,
29 there were difficulties sampling the wall blisters due to lack of water so those results
30 may not be fully indicative of the actual condition.
 - 31 ○ It is our understanding that the warranty expires in October 2019.
 - 32 ○ Kevin explained what he observed. He went physically into SBR#2 and looked at the
33 blistering. It was minor. He explained how the moisture runs through the channels in
34 the concrete. The pH was high at 14, which means it is caustic. He didn't see any
35 structural damage. He recommends that they don't remove the existing coatings at
36 this point. He also recommended that, whenever the repair of the blisters is done,
37 they use epoxy. Mark will continue with the current maintenance schedule and will
38 get pricing for the coatings.

1 **RCSTP and Pump Stations' O&M Manual**

- 2 • We recommend the Manual be revisited in July-August 2018 to determine if updates are
3 needed and/or if new information has become available to incorporate now that it has been in
4 place for one full year..
5

6 **Supplee Valley Pipe Lining**

- 7 • We determined in coordination with SWERP and Mark Miller, that the remaining two lateral
8 saddle repairs will not be performed under this contract due to lack of access and risk of improper
9 installation. The contract is therefore complete, and we are awaiting submission of closeout
10 documents and a final payment application from SWERP.
11

12 **Barkway Pump Station Grinder**

- 13 • We met with Mark Miller on June 5 to review our design plans. We are re-evaluating the
14 feasibility of coring the wet well to run the hydraulic lines rather than entering through the top
15 of the wet well steel hatch. However, a site investigation is required to accurately determine
16 coring feasibility due to inconsistencies in how the foundation is shown on the original pump
17 station design plans. The design plans will be finalized thereafter. *No update sine our last
18 report.*
19

20 **Ashbridge Pump Station Force Main**

- 21 • Test pits will be performed to identify backfill conditions along Manley Road with one test pit
22 on Edith Road, as recommended by the Municipal Authority, when weather permits. *No
23 update since our last report.*

24 **Tallmadge Drive Sewer Main Replacement**

- 25 • We received the Form of Agreement, bonds and insurance documentation from the awarded
26 contractor. The Agreement and bonds are acceptable, but there have been several issues with
27 their insurance coverage including a gap in their worker's compensation (WC) coverage.
28 They obtained new WC coverage this week. We are still awaiting a minor change to their
29 auto policy coverage and confirmation that their umbrella covers all other policies. Once we
30 receive those items, the Agreement can be signed by the MA.
31 • The contractor is planning to perform the work in early November, and he anticipates 2 weeks
32 to complete the project. The contract allows for 20 consecutive calendar days.
33

34 **I&I Support and Reporting**

- 35 • We intended to analyze meter data and submit the next semi-annual I&I report following
36 completion of the Supplee Valley pipe lining project so that the impact of that project can be
37 assessed. However, there have been issues with obtaining instantaneous meter data from the
38 permanent collection system meters, so we are evaluating if there is adequate data to prepare
39 an I&I report or analysis at this time. We propose to make a summary Powerpoint
40 presentation at a MA meeting once the next report is submitted.

41 **New Connections**

- 42 • No activity since last report.

1 **West Goshen Sewer System Consultation**

- 2 • No activity since last report.

3 **Capital Improvement Planning**

- 4 • No activity since last report.

5
6 **3. Big Fish Environmental Services** – Scott’s report showed that the Ridley Creek sewage
7 treatment plant outfall 001 and 002 achieved compliance with the permitted effluent discharge
8 limitations during the month of July 2018. Discharge to the Applebrook irrigation lagoon continued
9 during the month. Chemical usage utilized for total phosphorus removal, pH and total alkalinity
10 remained consistent with previous months. No significant mechanical or operational issues were
11 observed during operation of sludge dewatering equipment or SBR treatment process.
12 Scott mentioned the amount of rainfall in August and that September had 4 inches of rain in 4 days so
13 far. As of yesterday, almost 1 million gallons went to the SBRs. Inventory will be done soon.
14 Licensing is up to date. He discussed the meters.

15
16 **Approval of Minutes**

17 The minutes of the August 13, 2018 meeting were approved as corrected.

18
19 **Approval of Invoices**

20 1. Phil moved to approve payment of the following Pennoni invoices:

21	Pennoni invoice #818043	200.75
22	Pennoni invoice #818044	933.75
23	Pennoni invoice #818045	822.00

24 Discussion: Regarding #818043 there will be 1 more for Supplee Valley. For #818044 Talmadge –
25 this is the last for the design phase.

26 Dana seconded the motion. The motion passed unanimously.

27 2. The following 2 Pennoni invoices that were discussed at the August meeting were paid:

28	Pennoni invoice #815429	2,607.25
29	Pennoni invoice #815428	3,619.00

30
31 **Liaison Reports**

32 **Conservancy Board** - Walter reported that at their meeting this week they will discuss their
33 Fall planting. Jon gave updates on the Marydell pond. The pond committee will meet
34 individually. Jon applied for the NPDES permit. Mark Miller explained what the rain has
35 done and how they are preparing for the pending hurricane. Mark commented that they
36 removed about 300 fish, and 100 turtles, all large. They put them in the Reservoir and the Pin
37 Oaks pond.

38
39 **Financial Reports**

40 Jon Altshul provided the following written report:
41 In August, the Municipal Authority recorded -\$14.83 in income (reflecting \$15 for banking fees) and
42 \$6,226 in expenses (engineering), for a negative variance of -\$6,241. The fund balance is \$1,595.
43 Jon will have a proposed budget for the November meeting..

1 **New Business**

2 1. Pump replacement for SBR Tank – Mark reported that the SBR tank #2 is down for maintenance
3 and as part of the maintenance procedure, we pulled the pumps and sent them out to be gone over.
4 The motive pump was pulled apart and new seals were installed and a new impeller was required. A
5 new impeller has been ordered. It takes 6 weeks to receive it. Now the pump in SBR#1 has a seal
6 failure and keeps shutting down. We have bypassed some wiring to keep the pump running. If we
7 did not switch the wiring and keep the pump running, the tank will go septic. We need to purchase a
8 new pump so, when we have a pump failure, we can pull the pump and drop in a spare pump. The
9 cost of the pump is \$21,648.00 with a delivery time of 4 to 6 weeks.

10 Phil made a motion to approve purchase of a new pump for \$21,648.00. Kevin seconded the motion.
11 The motion passed unanimously.
12

13 2. Pennoni Budget Supplement – Mike gave a breakdown of the approved 2018 budget which was
14 \$18,000.00. The YTD total is \$17,146.50. The General Engineering is on pace with expectations,
15 but the required effort for Tallmadge Dr. Sewer, Caustic Soda Pilot Study, and SBR Coatings has
16 been more than projected at the beginning of the year. They are requesting a supplement of \$5,000 to
17 allow for continued General Consultation work through the remainder of 2018. Phil made a motion
18 to approve an additional \$5,000.00 for the Pennoni Budget. Kevin seconded the motion. The motion
19 passed unanimously.

20 Talmadge Construction – Dana moved to approve additional funds not to exceed \$9,000.00 at their
21 hourly rates. Phil seconded the motion. The motion passed unanimously.
22
23

24 **Adjournment**

25 There being no further business, Kevin moved to adjourn the meeting. Dana seconded the motion.
26 The meeting was adjourned at 8:00 p.m. The next regular meeting will be held on Monday,
27 October 8, 2018 at 7:00 pm.
28

29 Respectfully submitted,
30

31
32 Ruth Kiefer
33 Recording Secretary



INVOICE

Newark, DE
302-655-4451 Fax: 302-654-2895

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 823030
Invoice Date : 09/27/2018
Project : EGMAU17007
Project Name : Supplee Valley CIPPL Construction

For Services Rendered through: 9/16/2018

Construction coordination with Township and contractor on project completion and contract closeout documentation.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	220.75
Expense :	0.00
Phase Total :	220.75

Amount Due This Invoice

\$220.75

Fee :	15,000.00
Prior Billings :	14,311.50
Current Billings :	220.75
Total Billings :	14,532.25

Phase : **** -- Professional Services

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	0.50	123.00	61.50
Associate Professional	1.75	91.00	159.25
Labor Total:	2.25		220.75

Total Phase : **** -- Professional Services

Labor :	\$220.75
Expense :	\$0.00

Total Project : EGMAU17007 -- Supplee Valley CIPPL Construction

Labor :	\$220.75
Expense :	\$0.00

OK

East Goshen Municipal Authority
EGMAU17007 Invoice Summary
Invoice Date 9/27/2018

Project: EGMAU17007
Pennoni Job No.: Suplee Valley CIPPL Construction
Invoice No: 823030
Invoice Period: 8/30/2018 to 9/16/2018
Initial Authorization: \$ 12,000.00 **Date:** 9/27/2018
Contract Amount: \$ 15,000.00
Previously Invoiced: \$ 14,311.50
Current Invoice: \$ 220.75
Invoiced to Date (\$): \$ 14,532.25
Invoiced to Date (%): 97%
Remaining Budget (\$): \$ 467.75
Remaining Budget (%): 3%

Budget by Phase:

Phase Name: Suplee Valley CIPP
Phase Budget: \$ 15,000.00
Previously Invoiced: \$ 14,311.50
Current Invoice: \$ 220.75
Invoiced to Date (\$): \$ 14,532.25
Invoiced to Date (%): 97%
Remaining Budget (\$): \$ 467.75
Remaining Budget (%): 3%

Comments: Construction coordination with Township and contractor on project completion and contract closeout documentation.



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Newark, DE
302-655-4451 Fax: 302-654-2895

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P.O. Box 827328
Philadelphia, PA 19182-7328

Louis F. Smith, Twp Mgr.
East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199

Invoice # : 823031
Invoice Date : 09/27/2018
Project : EGMAU18001
Project Name : 2018 General Services

For Professional Services Rendered through:09/16/2018

General Consultation: Prepared for and attended August and September MA meetings; attended field visit of West Goshen STP's rehabilitation projects; and prepared September Engineer's Report.

SBR Coatings: Coordinated with Dutchland, Big Fish, and Township & MA personnel for SBR #2 coating repairs; attended pre-repair field meeting on 8/22/18; sampled pH of water from behind blisters; and corresponded with MA and Township about coatings and pH. Finalized and submitted report of structural visual assessment of SBR #2 concrete conditions. Follow-up to September MA meeting on revised SBR tanks' re-coating scope: revised and submitted re-coating budgetary cost estimate to be for new wall coatings only (no replacements or floor coating), updated proposed 5-year Capital Improvement Plan accordingly, and coordinated with Township to obtain updated pricing from CIM manufacturer.

Caustic Soda Study: Initiated analysis of Big Fish's sampling data in order to finalize study report and recommendations.

Phase Code	Phase Name	Fee Type	Contract Amount	Previously Billed	Current Billing	Total Billing	% Remaining	% Complete
****	Professional Services	NTE	\$ 23,000.00	\$ 15,190.50	\$ 4,618.50	\$ 19,809.00	\$ 3,191.00	86.13%
	Subtotal:		\$	\$ 15,190.50	\$ 4,618.50	\$ 19,809.00		
	Total:		\$	\$ 15,190.50	\$ 4,618.50	\$ 19,809.00		

Total Amount Due \$ 4,618.50

...Continued from previous page

Phase : **** -- Professional Services

Rate Schedule Labor			
<u>Class / Employee Name</u>	<u>Hours</u>	<u>Rate</u>	<u>Amount</u>
Authority Engineer	15.75	123.00	1,937.25
Engineering Technician	4.25	83.00	352.75
Graduate Professional	4.25	82.00	348.50
Senior Professional	13.50	117.00	1,579.50
Sr. Engineering Technician	4.50	89.00	400.50
Rate Schedule Labor			4,618.50
Total Phase : **** -- Professional Services			4,618.50
Total Project : EGMAU18001 -- 2018 General Services			4,618.50

East Goshen Municipal Authority
EGMAU18001 Invoice Summary
Invoice Date 09/27/2018

Project:	EGMAU18001		
Pennoni Job No.:	2018 General Services		
Invoice No:	823031		
Invoice Period:	8/30/2018	to	9/16/2018
Initial Authorization:	\$ 18,000.00	Date:	9/27/2018
Contract Amount:	\$ 23,000.00		
Previously Invoiced:	\$ 15,190.50		
Current Invoice:	\$ 4,618.50		
Invoiced to Date (\$):	\$ 19,809.00		
Invoiced to Date (%):	86%		
Remaining Budget (\$):	\$ 3,191.00		
Remaining Budget (%):	14%		

Budget by Phase:

Phase Name:	2018 General Services		
Phase Budget:	\$ 23,000.00		
Previously Invoiced:	\$ 15,190.50		
Current Invoice:	\$ 4,618.50		
Invoiced to Date (\$):	\$ 19,809.00		
Invoiced to Date (%):	86%		
Remaining Budget (\$):	\$ 3,191.00		
Remaining Budget (%):	14%		

Comments: General Consultation: Prepared for and attended August and September MA meetings; attended field visit of West Goshen STP's rehabilitation projects; and prepared September Engineer's Report.

SBR Coatings: Coordinated with Dutchland, Big Fish, and Township & MA personnel for SBR #2 coating repairs; attended pre-repair field meeting on 8/22/18; sampled pH of water from behind blisters; and corresponded with MA and Township about coatings and pH. Finalized and submitted report of structural visual assessment of SBR #2 concrete conditions. Follow-up to September MA meeting on revised SBR tanks' re-coating scope: revised and submitted re-coating budgetary cost estimate to be for new wall coatings only (no replacements or floor coating), updated proposed 5-year Capital Improvement Plan accordingly, and coordinated with Township to obtain updated pricing from CIM manufacturer.

Caustic Soda Study: Initiated analysis of Big Fish's sampling data in order to finalize study report and recommendations.



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P.O. Box 827328
Philadelphia, PA 19182-7328

East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 823033
Invoice Date : 09/27/2018
Project : EGMAU18004
Project Name : Tallmadge Dr Sewer Constr Phase

For Services Rendered through: 9/16/2018

Issued award letter to contractor; and reviewed contractor's insurance and bonding documents which involved repetitive communications with the contractor and his insurance carriers as well as review of numerous incorrect insurance document submissions in order to address non-compliant insurance coverages.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,333.75
Expense : 0.00
Phase Total : 1,333.75

Amount Due This Invoice

\$1,333.75

Fee : 9,000.00
Prior Billings : 0.00
Current Billings : 1,333.75
Total Billings : 1,333.75

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	4.00	123.00	492.00
Associate Professional	9.25	91.00	841.75
Labor Total:	13.25		1,333.75

Total Phase : **** -- Professional Services

Labor : \$1,333.75
Expense : \$0.00

Total Project : EGMAU18004 -- Tallmadge Dr Sewer Constr Phase

Labor : \$1,333.75
Expense : \$0.00

OK [Signature]
07426 - 3000

East Goshen Municipal Authority
EGMAU18004 Invoice Summary
Invoice Date 9/27/2018

Project: EGMAU18004
Pennoni Job No.: Tallmadge Drive Sewer Construction Phase
Invoice No: 823033
Invoice Period: NTP to 9/16/2018
Initial Authorization: \$ 9,000.00 **Date:** 9/27/2018
Contract Amount: \$ 9,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 1,333.75
Invoiced to Date (\$): \$ 1,333.75
Invoiced to Date (%): 15%
Remaining Budget (\$): \$ 7,666.25
Remaining Budget (%): 85%

Budget by Phase:

Phase Name: Tallmadge Drive Sewer Construction Phase
Phase Budget: \$ 9,000.00
Previously Invoiced: \$ -
Current Invoice: \$ 1,333.75
Invoiced to Date (\$): \$ 1,333.75
Invoiced to Date (%): 15%
Remaining Budget (\$): \$ 7,666.25
Remaining Budget (%): 85%

Comments: Issued award letter to contractor; and reviewed contractor's insurance and bonding documents which involved repetitive communications with the contractor and his insurance carriers as well as review of numerous incorrect insurance document submissions in order to address non-compliant insurance coverages.



Christiana Executive Campus
121 Continental Drive, Suite 207
Newark, DE 19713
T: 302-655-4451
F: 302-654-2895

www.pennoni.com

October 3, 2018

EGMAU17007

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

**RE: Payment Application No. 2 (Final) Recommendation Letter
Supplee Valley Sanitary Sewer Pipe Lining, Contract No. SSPL-2017**

Dear Mr. Smith:

The Contractor, SWERP Incorporated, has submitted the final payment application for work completed on this project. This is the second and final payment for this project. Please note that the payment application submitted by the Contractor is titled payment application #3. This is because we did not recommend approval of the Contractor's first payment application because the CIPP lining work was not complete at that time. However, we have observed the work-in-progress, and we confirm that the work has now been completed.

We have reviewed the attached Payment Application provided by the Contractor, and we recommend approval of the final payment in the amount of \$21,614.20 conditioned upon the contractor providing the Statement of Surety and Prevailing Wage Rate Certifications to the satisfaction of Pennoni.

The original Contractor's Release, which is a required closeout document, is attached. The Maintenance Bond was submitted at the beginning of the project.

If you have any questions, please contact me at your convenience.

Sincerely,
PENNONI ASSOCIATES INC.

Michael J. Ellis, PE
Authority Engineer

/lef

Enclosures: Payment Application #3 (Pages 1-2)
Contractor's Release

cc: Jon Altshul, Assistant Township Manager (via email)
Mark Miller, Public Works Director (via email)
East Goshen Municipal Authority (via email)

OWNER:

Township of East Goshen

APPLICATION FOR PAYMENT

Current Application No.	THREE
Period Beginning:	04/13/2018
Period Ending:	08/13/2018

Date: 08/27/2018

PROJECT:

Supplee Valley Sanitary Sewer Pipe Lining

ITEM NO.	Description	Original Quantity	Unit Cost	Unit	Quantity or Percentage Complete		Amount			
					Previous	This Month	To Date	Previous	This Month	To Date
<p>ENGINEER: Pennoni Associates, Inc. 121 Continental Drive, Suite 207 Newark, DE 19713</p>										
<p>CONTRACTOR: SWERP Incorporated 1237 Hayes Blvd. Bristol, PA 19007</p>										
1	CIPP Lining of 8" Pipe Within Township Roads	2220	\$31.00	LF	2,244.00	0.00	2,244.00	\$69,564.00	\$0.00	\$69,564.00
2	Cleaning & Lining of 8" Pipe Within Easements	1009	\$32.00	LF	1,021.00	0.00	1,021.00	\$32,672.00	\$0.00	\$32,672.00
3	Lateral Reinstatements	33	\$100.00	EA	30.00	0.00	30.00	\$3,000.00	\$0.00	\$3,000.00
4	Manhole Pressure Grouting	2	\$1,900.00	EA	0.00	2.00	2.00	\$0.00	\$3,800.00	\$3,800.00
5	Grout	50	\$50.00	GAL	0.00	1.50	1.50	\$0.00	\$75.00	\$75.00
6	CIPP Lining of 8" Pipe between MH C384 - MH C040	305	\$42.00	LF	175.00	0.00	175.00	\$7,350.00	\$0.00	\$7,350.00
7	CIPP Lining of 8" Pipe between MH C411 - MH C410	145	\$40.00	LF	150.00	0.00	150.00	\$6,000.00	\$0.00	\$6,000.00
8	CIPP Lining of 8" Pipe between MH C417 - MH C416	262	\$34.00	LF	265.00	0.00	265.00	\$9,010.00	\$0.00	\$9,010.00
9	CIPP Lining of 8" Pipe between MH C407 - MH C406	159	\$34.00	LF	160.00	0.00	160.00	\$5,440.00	\$0.00	\$5,440.00
10	CIPP Lining of 8" Pipe between MH C394 - MH C385	318	\$32.00	LF	320.00	0.00	320.00	\$10,240.00	\$0.00	\$10,240.00
11	CIPP Lining of 8" Pipe between MH C0421 - MH C042H	278	\$34.00	LF	285.00	0.00	285.00	\$9,690.00	\$0.00	\$9,690.00
12	CIPP Lining of 8" Pipe between MH C042G - MH C042I	305	\$32.00	LF	315.00	0.00	315.00	\$10,080.00	\$0.00	\$10,080.00
13	Lateral Reinstatements	25	\$100.00	EA	24.00	0.00	24.00	\$2,400.00	\$0.00	\$2,400.00
c/o 1	Two Point Repair Installations	1	\$5,427.00	LS	1.00	0.00	1.00	\$5,427.00	\$0.00	\$5,427.00
c/o 2	Installation of 6 Saddle Liners and One Point Repair	1	\$13,570.00	LS	0.48	0.00	0.48	\$6,519.00	\$0.00	\$6,519.00
ORIGINAL CONTRACT ESTIMATE					GROSS AMOUNT DUE					\$181,267.00
+ -CHANGE ORDER VALUES										
CURRENT CONTRACT PLUS CHANGES					NET AMOUNT DUE TO DATE					\$181,267.00
VALUE OF WORK IN PLACE					LESS PREVIOUS PAYMENTS/ESTIMATES					\$159,652.80
ESTIMATED REMAINING WORK					AMOUNT PAYABLE THIS ESTIMATE					\$21,614.20

Township of East Goshen
Supplee Valley Sanitary Sewer Pipe Lining
SWERP Inc.
Pennoni Associates Inc.
Application for Payment No. Two

Manhole Grouting

	Date	Location
1	08/03/2018	Manhole C384
2	08/03/2018	Manhole C042FF

Supplee Valley Sanitary Sewer Pipe Lining
Contract No. SSPL-2017

(TO BE COMPLETED AFTER CONSTRUCTION)

CONTRACTOR'S RELEASE

KNOW ALL MEN BY THESE PRESENTS THAT: _____

SWERP Incorporated

(Contractor)

of Bristol County and State of Pennsylvania

does hereby acknowledge that he has received this 27th day of August and from the

East Goshen Municipal Authority

(Owner)

the sum of ONE DOLLAR (\$1.00) and other valuable consideration in full satisfaction and payment of all sums of money owing payable and belonging to _____

SWERP Incorporated

(Contractor)

by any means whatsoever, for on account of a certain agreement hereinafter called the CONTRACT,

between the said East Goshen Municipal Authority

(Owner)

and SWERP Incorporated

(Contractor)

dated 12/13/2017

NOW THEREFORE, the said SWERP Incorporated

(Contractor)

(for myself, my heirs, executors and administrators) (for itself, its successors and

assigns) do by these presents remise, release, quit-claim and forever discharge the

said East Goshen Municipal Authority

(Owner)

its successors and assigns, of and from all claims and demands arising from or in connection with the said

CONTRACT dated 12/13/2017 and of and from all, and all manner of action and actions, cause and causes of action and actions, suits, debts, dues, duties, sum and sums of money, accounts, reckonings, bonds, bills, specialties, covenants, contracts, agreements, promises, variances, damages, judgments, extents executions, claims and demand, whatsoever, in law or equity, or otherwise which

against the said East Goshen Municipal Authority

(Owner)

Supplee Valley Sanitary Sewer Pipe Lining
Contract No. SSPL-2017

its successors and assigns, ever had, now have, or which (I, my heirs, executors, or administrators) (it, its successors and assigns) hereafter can, shall or may have, for upon or by reason of any matter, cause or thing whatsoever, from the beginning of the work to the date of these presents.

IN WITNESS WHEREOF SWERP Incorporated
(Contractor)

has caused these presents to be duly executed the 6th day of September, 2018.

Signed, Sealed and Delivered in the presence of:

_____(SEAL)
(Individual)

_____(SEAL)
(Partnership Contractor)

By _____(SEAL)
(Partner)

Attest:

_____(SEAL)

Laura Maszuzak
(Secretary)
Laura Maszuzak

By James T. Brooks, V.P.
(President or Vice-President)

(CORPORATE SEAL)



Gawthrop Greenwood, PC
Attorneys at Law

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

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
09/10/2018
Client No: 6604-001M
Invoice No. 199945

General Authority Services

Fees

			Hours	
08/02/2018	SLF	Telephone call from M Ellis, review of notes, email to M Ellis, telephone call from M Ellis.	0.80	
08/09/2018	PMM	Email from S Smith with meeting materials.	0.20	
08/13/2018	PMM	Review and analyze meeting materials in preparation for meeting; Attend Authority meeting.	1.50	
		For Current Services Rendered	2.50	500.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Stacey L. Fuller	0.80	\$200.00	\$160.00
Patrick M. McKenna	1.70	200.00	340.00

Total Current Charges 500.00

Balance Due \$500.00

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

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA August Financial Report
Date: October 3, 2018

In September, the Municipal Authority recorded \$29,985 in income (a \$30,000 transfer from Sewer Operating, net of banking fees) and \$10,839 in expenses, including \$8,382 from the Q3 administrative overhead charge back, for a positive variance of \$19,147. The fund balance is \$20,741.

EAST GOSHEN TOWNSHIP
Other Funds
September 2018
Municipal Authority

Account Title	Acct #	Annual Budget	Y-T-D Budget	Y-T-D Actual	Y-T-D Variance	M-T-D Budget	M-T-D Actual	M-T-D Variance
REVENUE								
INTEREST EARNINGS	07341 1000	10	8	(101.07)	(109.07)	1	(14.59)	(15.59)
CAPITAL RESERVE-INTEREST	07341 1010							
INTEREST EARNED - CONSTRUCTION	07341 1020	50	50	613.94	563.94			
DCED GRANT	07354 0400							
C.C. TAPPING FEES	07364 1100	8,000	4,000		(4,000.00)			
R.C. TAPPING FEES	07364 1110	2,000	2,000	2,000.00				
M.C. LOAN PAYMENTS	07364 1120							
CONNECTION FEES - SEWER	07364 1130	1,692	846	1,127.52	281.52			
MISCELLANEOUS REVENUE	07380 1000			564.51	564.51			
TRANSFER FROM GENERAL ACCT	07392 0100			71.30	71.30			
TRANSFER FROM SEWER OPERATING	07392 0500	89,853	56,889	90,000.00	33,111.00	6,321	30,000.00	23,679.00
TRANSFER-ANNUAL CAP. RESERVE	07392 0510							
GRANT REVENUE	07392 0800							
LOAN PROCEEDS - SEWER PROJECT	07392 0804							
TRANSFER FROM SEWER CAP RESERVE	07392 0900							
TRANSFER FROM RCSTP BUDGET	07392 0990							
LOAN PROCEEDS-SEWER PROJECT	07393 1001							
TOTAL REVENUE		101,605	63,793	94,276.20	30,483.20	6,322	29,985.41	23,663.41
EXPENSES								
ADMINISTRATIVE WAGES	07424 1400	32,411	24,308	24,703.02	(395.02)	8,103	8,382.36	(279.36)
R.C. LOAN ISSUANCE COSTS	07424 1500							
MISCELLANEOUS EXPENSE	07424 3000	2,500	1,875	1,336.00	539.00	209		209.00
MUNIC. AUTH. -AUDITING	07424 3110	9,384	9,384	9,400.00	(16.00)			
ENGINEERING SERVICES	07424 3130	43,260	32,445	58,442.89	(25,997.89)	3,605	1,134.50	2,470.50
LEGAL SERVICES	07424 3140			3,420.00	(3,420.00)		500.00	(500.00)
W.G. C.C. STP-UPGRADE	07424 7400							
MANHOLE COVER REPLACEMENTS	07424 7405							
C.C. CAPITAL - METERS	07424 7410							
C.C. CAPITAL- COLLECTION	07424 7420							
C.C. CAPITAL- INTERCEPTOR	07424 7430							
CAPITAL PROJ.-ENGINEERING	07424 7431							
R.C. CAPITAL-STP	07424 7440							
R.C. CAPITAL - COLLECTION	07424 7450							
R.C.-CAP. PROJ.-ENGINEER	07424 7451							
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452							
R.C. CAP EXPANSION - ELECTRICAL	07424 7453							
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454							
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455							

EAST GOSHEN TOWNSHIP
Other Funds
September 2018
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
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456							
LOCHWOOD - CAPITAL -STP	07424 7460							
LOCHWOOD-CAPITAL-COLLECT.	07424 7470							
LOCHWOOD ABANDONMENT ENGINEER	07424 7475							
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476							
LOCHWOOD ELIMINATION PHASE 2	07424 7477							
CAP.REPLACEMENT R.C.	07424 7490							
CAPITAL REPLACEMENT ASHERIDGE	07424 7491							
MARYDELL PUMP STATION - ENGINEER	07425 1000							
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000							
HERSHEY MILL STATION - ENGINEER	07426 1000							
HERSHEY MILL STATION - CONSTRUCTION	07426 2000							
TALMADGE DRIVE	07426 3000	14,000	10,500	15,966.00	(5,466.00)	1,167	822.00	344.67
RESERVE PUMP STATION - ENGINEER	07427 1000							
RESERVE PUMP STATION - CONSTRUCTION	07427 2000							
RESERVOIR PUMP STATION - ENGINEER	07428 1000			188.00	(188.00)			
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000							
ASBESTOS CONCRETE ENGINEERING	07429 3130							
DIVERSION PROJ.- LEGAL	07429 3166							
WEST GOSHEN CAPITAL	07429 6100	59,736	59,736	102,339.08	(42,603.08)			
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 PAYM	07472 1000							
M.A.-R.C. INTEREST	07472 1010							
DVRFA PUMPING STATIONS - INTEREST	07472 2000							
TRANSFER TO GENERAL FUND	07492 0100			71.30	(71.30)			
TRANSFER TO SEW.OPERATING	07492 0500							
TRF TO SEWER SINKING FUND	07492 0550							
TRANSFER TO AUTHORITY CAP FUND	07492 0990							
TOTAL EXPENSES		161,291	138,248	215,866.29	(77,618.29)	13,084	10,838.86	2,244.81
NET RESULT FROM OPERATIONS		(59,686)	(74,455)	(121,590.09)	(47,135.09)	(6,762)	19,146.55	25,908.22

East Goshen Township General Ledger

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GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000					0.00				
									INTEREST EARNINGS
		1801 JE 61740		0.31		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND
		1801	0.00	0.31	-0.31				
		1802							
		61932		0.20		02/14/18	INTEREST		INTEREST ADJ. FROM JAN.2018 7105.2000
		62159		0.54		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
		1802	0.00	0.74	-1.05				
		1803 EX 62192	15.00			03/06/18	62192 1		REIMBURSE S/R FOR BANK FEES INTEREST EARNINGS
		JE 62535		0.47		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
		1803	15.00	0.47	13.48				
		1804 EX 62551	15.00			04/02/18	62551 1		REIMB.S/R FOR 3/2018 BANK FEES INTEREST EARNINGS
		JE 62904		0.55		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
		1804	15.00	0.55	27.93				
		1805 EX 62911	15.00			05/01/18	62911 1		REIMBURSMT- 4/2018 BANK FEES INTEREST EARNINGS
		63388	15.00			06/01/18	63388 1		BANK FEES - MAY 2018 INTEREST EARNINGS
		63449		15.00		06/05/18	REVERSE		REVERSE TRX 63388 EXPENSE TO BE ENTERED IN JUNE NOT MAY
		JE 63377		0.51		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
		1805	30.00	15.51	42.42				
		1806 EX 63459	15.00			06/05/18	63459 1		REIMBURSE S/R FOR MAY '18 FEES INTEREST EARNINGS
		JE 63815		0.40		07/03/18	INTEREST		INTEREST EARNED JUNE 2018 07100.1035
		1806	15.00	0.40	57.02				

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07341-1000	1807	EX	63820	15.00			07/03/18	63820 5		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
			64317		15.00		07/30/18	64317 1		REVERSE EXP.TRX 63820 M&T BANK - GEN'L CHKG # 98526374
			64322	15.00			07/30/18	64322 1		REIMBURSE S/R - 6/2018 BK.FEES INTEREST EARNINGS
	JE		64264		0.40		08/02/18	INTEREST		INTEREST EARNED JULY 2018 07100.1035
1807				30.00	15.40	71.62				
1808	EX		64289	15.00			08/03/18	64289 1		REIMBURSE S/R - 7/2018 BK FEES INTEREST EARNINGS
	JE		64731		0.14		09/04/18	INTEREST		INTEREST EARNED AUGUST 2018 07100.1035
1808				15.00	0.14	86.48				
1809			64751	15.00			09/05/18	BANK FEES		REIMBURSE S/R FOR AUGUST 2018 BANK FEES
			65132		0.41		10/01/18	INTEREST		INTEREST EARNED SEPT.2018 07100.1035
1809				15.00	0.41	101.07				
07341-1000	****	***	****	135.00	33.93	101.07				
07341-1020						0.00				INTEREST EARNED - CONSTRUCTION
			1801		391.64		02/02/18	INTEREST		INTEREST EARNED JANUARY 2018 07 FUND
1801				0.00	391.64	-391.64				
1802			62159		69.31		03/05/18	INTEREST		INTEREST EARNED FEBRUARY 2018 07 FUND
1802				0.00	69.31	-460.95				
1803			62535		81.66		04/02/18	INTEREST		INTEREST EARNED MARCH 2018 07 FUND
1803				0.00	81.66	-542.61				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1020	1804	JE 62904		71.30		05/01/18	INTEREST		INTEREST EARNED APRIL 2018 07 FUND
	1804		0.00	71.30	-613.91				
	1805	63377		0.03		06/01/18	INTEREST		INTEREST EARNED MAY 2018 07 FUND
	1805		0.00	0.03	-613.94				
07341-1020	****	*** ****	0.00	613.94	-613.94				
07364-1110		R.C.TAPPING FEES			0.00				
	1807	RE 63982		2,000.00		07/13/18	ROBERTS		TAP IN FEE FOR MARLIN DR R.C.TAPPING FEES
	1807		0.00	2,000.00	-2,000.00				
07364-1110	****	*** ****	0.00	2,000.00	-2,000.00				
07364-1130		CONNECTION FEES - SEWER			0.00				
	1801	CR 61617		423.00		01/25/18	2572	10606	1 STOFFLET, MICHAEL
	1801		0.00	423.00	-423.00				
	1802	61894		423.00		02/13/18	494	10607	1 JACOBS, ROBERT & CBERYL
		62079		423.00		02/27/18	148	10605	1 GEORGE SMITH & CHRISTINA CONLE
		JE 61900	282.24			02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT JACOBS & STOFFLET INTEREST
		62080	141.12			02/27/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1802		423.36	846.00	-845.64				
	1803	CR 62407		423.00		03/23/18	0011373243	10608	1 PAPPANO, JOSEPH & PATRICIA
		JE 62411	141.12			03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT RC214 PAPPANO
	1803		141.12	423.00	-1,127.52				
07364-1130	****	*** ****	564.48	1,692.00	-1,127.52				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07380-1000					0.00				
		MISCELLANEOUS REVENUE							
	1802	61900		282.24		02/13/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT JACOBS & STOFFLET INTEREST
		62080		141.12		02/27/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1802		0.00	423.36	-423.36				
	1803	62411		141.12		03/23/18	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT RC214 PAPPANO
	1803		0.00	141.12	-564.48				
	1808	64477		0.03		08/16/18	DEPOSIT		DEPOSIT CK.7100.1035 TO CLOSE OUT FULTON 7105.2000
	1808		0.00	0.03	-564.51				
07380-1000	****	***	****	0.00	564.51				
07392-0100					0.00				
		TRANSFER FROM GENERAL ACCT							
	1805	63470		71.30		06/07/18	XFER		XFER \$ TO MA REGARDING DEPOSIT ERROR 5/10/18
	1805		0.00	71.30	-71.30				
07392-0100	****	***	****	0.00	71.30				
07392-0500					0.00				
		TRANSFER FROM SEWER OPERATING							
	1803	62490		30,000.00		03/29/18	XFER		XFER \$ FROM SEWER TO MUNICIPAL TO COVER EXPENSES
	1803		0.00	30,000.00	-30,000.00				
	1806	63665		30,000.00		06/22/18	XFER		XFER \$ FROM SEWER TO MA
	1806		0.00	30,000.00	-60,000.00				
	1809	64868		30,000.00		09/12/18	XFER		XFER FROM SEWER TO M.A. 9/12/18
	1809		0.00	30,000.00	-90,000.00				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07392-0500	****	*** ****	0.00	90,000.00	-90,000.00				
07424-1400					0.00				
		ADMINISTRATIVE WAGES							
1803	CD	62424	8,160.33			03/26/18	3121	425	EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR.2018 REIMBURSEMENT - MA
1803			8,160.33	0.00	8,160.33				
1806		63636	8,160.33			06/21/18	3129	425	EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR.2018 REIMBURSEMENT - MA
1806			8,160.33	0.00	16,320.66				
1809		65076	8,382.36			09/28/18	3135	425	EAST GOSHEN TOWNSHIP - GENERAL QTR.3 2018 REIMBURSEMENT - MUN.A
1809			8,382.36	0.00	24,703.02				
07424-1400	****	*** ****	24,703.02	0.00	24,703.02				
07424-3000					0.00				
		MISCELLANEOUS EXPENSE							
1801		61728	100.00			01/31/18	3114	3353	COMMONWEALTH FINANCING AUTHORITY GRANT APPLIC. DCED - WATER & SEW PROGRAM FOR HARKWAY
1801			100.00	0.00	100.00				
1805		63278	1,236.00			05/30/18	3125	3871	DELAWARE RIVER BASIN COMMISSION ANNUAL FEE D-2000-030 CP WASTE WATER DISCHARGE
1805			1,236.00	0.00	1,336.00				
07424-3000	****	*** ****	1,336.00	0.00	1,336.00				
07424-3110					0.00				
		MUNIC.AUTH.-AUDITING							
1803		62396	6,964.00			03/22/18	3120	808	MAILLIE FALCONIERO & CO. PROGRESS BILLING - M.AUTHORITY 2 FINANCIAL STATEMENTS

East Goshen Township General Ledger

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1803			6,964.00	0.00	6,964.00				
1804		62732	2,436.00			04/17/18	3123	808	MAILLIE FALCONIERO & CO. EXAMINATION 2017 MA FINANCIAL ST
1804			2,436.00	0.00	9,400.00				
07424-3110	****	*** ****	9,400.00	0.00	9,400.00				
07424-3130					0.00				ENGINEERING SERVICES
1801		61613	12,523.56			01/24/18	3113	1052	PENNONI ASSOCIATES INC. SERV. THRU 12/10/17 2017 GENERAL SERVICES
1801			12,523.56	0.00	12,523.56				
1802		61944	5,415.00			02/15/18	3115	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/14/18 -2017 GENE
		62032	552.50			02/22/18	3117	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 SUPPLEE VA
1802			5,967.50	0.00	18,491.06				
1803		62323	11,749.08			03/15/18	3118	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/11/18 2018 GEN.S
1803			11,749.08	0.00	30,240.14				
1806		63480	9,622.25			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 SUPPLEE VA
		63544	7,503.93			06/12/18	3127	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/20/18 BARKWAY PS
1806			17,126.18	0.00	47,366.32				
1807		63960	16,879.82			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/17/18 BARKWAY
	JE	63926		10,556.75		07/10/18	RECLASS		RECLASS TALLMADGE DR EXPENSES
1807			16,879.82	10,556.75	53,689.39				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1808	CD 64451	3,619.00			08/15/18	3132	1052	PENNONI ASSOCIATES INC. PROF.SERV. THRU 8/5/18 2018 GENE
	1808		3,619.00	0.00	57,308.39				
	1809	64831	1,134.50			09/11/18	3133	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/18 SUPPLEE VA
	1809		1,134.50	0.00	58,442.89				
07424-3130	****	*** ****	68,999.64	10,556.75	58,442.89				
07424-3140		LEGAL SERVICES			0.00				
	1801	61613	680.00			01/24/18	3112	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES DEC. 2017 GEN.AUT
	1801		680.00	0.00	680.00				
	1802	62032	240.00			02/22/18	3116	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - JAN.2018 GEN.AUT
	1802		240.00	0.00	920.00				
	1803	62352	400.00			03/19/18	3119	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - FEBRUARY 2018
	1803		400.00	0.00	1,320.00				
	1804	62732	380.00			04/17/18	3122	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 3/12/18
	1804		380.00	0.00	1,700.00				
	1805	63133	480.00			05/16/18	3124	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - APRIL 2018 GEN.A
	1805		480.00	0.00	2,180.00				
	1806	63589	440.00			06/18/18	3128	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV.- MAY 2018 GEN.AUTHOR
	1806		440.00	0.00	2,620.00				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3140	1807	CD 64183	300.00			07/30/18	3131	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE JUNE 2018 GEN.AUTH
	1807		300.00	0.00	2,920.00				
	1809	64898	500.00			09/14/18	3134	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 8/9-8/13/18 GEN.AU
	1809		500.00	0.00	3,420.00				
07424-3140	****	*** ****	3,420.00	0.00	3,420.00				
07426-3000		TALLMADGE DRIVE			0.00				
	1807	63960	1,980.00			07/11/18	3130	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/18 2018 TALLMA RECLASS TALLMADGE DR EXPENSES
		JE 63926	10,556.75			07/10/18	RECLASS		
	1807		12,536.75	0.00	12,536.75				
	1808	CD 64451	2,607.25			08/15/18	3132	1052	PENNONI ASSOCIATES INC. PROF.SERV. THRU 8/5/18 2018 TALL
	1808		2,607.25	0.00	15,144.00				
	1809	64831	822.00			09/11/18	3133	1052	PENNONI ASSOCIATES INC. SERV. THRU 8/12/18 TALLMADGE- GEN SERVICE 2018
	1809		822.00	0.00	15,966.00				
07426-3000	****	*** ****	15,966.00	0.00	15,966.00				
07428-1000		RESERVOIR PUMP STATION - ENGINEER			0.00				
	1802	62035	142.50			02/22/18	22016	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/14/18 RESERV.RD
	1802		142.50	0.00	142.50				
	1806	63480	45.50			06/07/18	3126	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/18 RESERVOIR FINAL INVOICE

East Goshen Township General Ledger

Report Date 10/03/18

GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
		1806	45.50	0.00	188.00				
07428-1000	****	*** ****	188.00	0.00	188.00				
07429-6100		WEST GOSHEN CAPITAL			0.00				
		1801 61614	30,050.70			01/24/18	22015		3843 WEST GOSHEN SEWER AUTHORITY 16.67% OF COST - ENHANCED CHEMIC ADDITION
		1801	30,050.70	0.00	30,050.70				
		1802 62035	3,664.01			02/22/18	22017		3843 WEST GOSHEN SEWER AUTHORITY 16.67% - ENHANCED CHEMICAL ADDIT & ANAEROBIC DIGESTER REPLACEMENT
		1802	3,664.01	0.00	33,714.71				
		1803 62343	-3,664.01			03/15/18	22017		3843 WEST GOSHEN SEWER AUTHORITY VOID CK. 2017
		1803	-3,664.01	0.00	30,050.70				
		1804 62689	72,288.38			04/13/18	22018		3843 WEST GOSHEN SEWER AUTHORITY 2017 SEWER SYSTEM REPAIR PROJECT .16667 % EAST GOSHEN SHARE
		1804	72,288.38	0.00	102,339.08				
07429-6100	****	*** ****	102,339.08	0.00	102,339.08				
07492-0100		TRANSFER TO GENERAL FUND			0.00				
		1805 63072	71.30			05/10/18	22019		425 EAST GOSHEN TOWNSHIP - GENERAL XFER TO GENERAL TO CLOSE ACCOUNT
		1805	71.30	0.00	71.30				
07492-0100	****	*** ****	71.30	0.00	71.30				

East Goshen Township General Ledger

Report Date 10/03/18

GL Transaction Details

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07492-0500					0.00				
	1806	JE 63662	30,000.00			06/22/18	XFER		XFER FROM SEWER TO MA
		63664		30,000.00		06/22/18	REVERSE		REVERSE TRX 63662
	1806		30,000.00	30,000.00	0.00				
07492-0500	****	*** ****	30,000.00	30,000.00	0.00				
Grand Total			257,122.52	135,532.43	121,590.09				

Source	Debits	Credits
JE	41,136.23	131,810.43
EX	120.00	30.00
RE	0.00	2,000.00
CR	0.00	1,692.00
CD	215,866.29	0.00
	257,122.52	135,532.43

CONTRACT CHANGE ORDER

CONTRACT NO.:	<u>SSPL-2017</u>	DATE:	<u>18-Sep-18</u>
CHANGE ORDER NO.:	<u>Suplee Valley Sanitary Sewer Pipe Lining</u>	PROJECT NO.:	<u>EGMAU17007</u>
TO: (Contractor)	<u>3</u>	LOCATION:	<u>East Goshen Township</u>
	<u>SWERP Incorporated</u>		<u>Chester County, Pennsylvania</u>

You are hereby requested to comply with the following changes from the contract plans and specifications.

ITEM NO.	DESCRIPTION OF CHANGES-QUANTITIES,UNITS,UNIT PRICES,CHANGES IN COMPLETION SCHEDULE, ETC.	DECREASE IN CONTRACT PRICE	INCREASE IN CONTRACT PRICE
(1)	(2)	(3)	(4)
1	The following Bid Item estimated quantity is decreased: 5. Grout Is decreased to 1.50 GAL. 3. Lateral Reinstatements is decreased to 30 EA. 6. CIPP Lining of 8" Pipe between MH C384 - MH C040 is decreased to 175 LF. 13. Lateral Reinstatements is decreased to 24 EA.	\$2,425.00 \$300.00 \$5,460.00 \$100.00	
2	The following Change Order Item is decreased: c/o 2 Installation of 6 Saddle Liners is decreased to 48% of the lump sum.	\$7,051.00	
3	The following Bid Items estimated quantities are increased: 1. CIPP Lining of 8" Pipe Within Township Roads is increased to 2,244 LF. 2. Cleaning and Lining of 8" Pipe Within Easements is increased to 1,021 LF 7. CIPP Lining of 8" Pipe between MH C411 - MH C410 is increased to 150 LF. 8. CIPP Lining of 8" Pipe between MH C417 - MH C416 is increased to 265 LF. 9. CIPP Lining of 8" Pipe between MH C407 - MH C406 is increased to 160 LF. 10. CIPP Lining of 8" Pipe between MH C394 - MH C385 is increased to 320 LF. 11. CIPP Lining of 8" Pipe between MH C042I - MH C042H is increased to 285 LF. 12. CIPP Lining of 8" Pipe between MI I C042G - MI I C042F is increased to 315 LF.		\$744.00 \$384.00 \$200.00 \$102.00 \$34.00 \$64.00 \$238.00 \$320.00
CHANGE IN CONTRACT PRICE DUE TO THIS CHANGE ORDER		\$15,336.00	
TOTAL DECREASE			
TOTAL INCREASE			\$2,086.00
NET (INCREASE/DECREASE) CONTRACT PRICE (DIFFERENCE BETWEEN COL. (3) AND (4))			(\$13,250.00)

The sum of (\$13,250.00) is hereby added to the total contract price, and the total adjusted contract price to date is thereby \$181,267.00.

This document shall become an amendment to the contract and all provisions of the contract will apply hereto.

Accepted by:	<u><i>[Signature]</i></u>	Date:	<u>9/20/2018</u>
	Contractor		
Recommended by:	<u><i>[Signature]</i></u>	Date:	<u>9/28/18</u>
	Engineer		
Approved by:	_____	Date:	_____
	Owner		

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

FYI

September 25, 2018

Dear Property Owner:

The purpose of this letter is to inform you that East Goshen Township has received a Conditional Use application for 1302 Wilson Dr., West Chester PA 19380. The equitable owner, ESKE Development, LLC, is seeking approval to develop the property as a Child Daycare Center. The property is situated in the I-1, Light Industrial Zoning District of East Goshen Township. Child Daycare Centers are permitted in the I-1 Zoning District as a Conditional Use.

Pursuant to Township policy, property owners within 1000 feet of the subject property are notified when Conditional use applications are received. **The meeting dates for this matter are listed below and subject to change without further written notice:**

October 3, 2018 – Planning Commission (7:00 PM)

October 10, 2017 – Conservancy Board (7:00 PM)

November 7, 2018 – Planning Commission (7:00 PM)

November 13, 2018 – Board of Supervisors (7:00 PM – Conditional Use Hearing)

These meetings will be held at the Township Administration Building and will be open to the public. The Application is available for review at the Township building during normal business hours. If any person who wishes to attend the hearing has a disability and/or requires an auxiliary aid, service or other accommodation to observe or participate in the proceedings, he or she should contact East Goshen Township at 610-692-7171 to discuss how those needs may be accommodated.

Sincerely,

Mark A. Gordon

Mark A. Gordon
Township Zoning Officer

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

FYI

September 27, 2018

Mike,

We had a complete pump failure at 2:15 Sept. 26, this morning Pump 2 failed with rags. Pump 1 ran but would only pump 12 gallons a minute. We were able to get West Whiteland to shut down their pump station until we could get the wet well pumped. We then pulled both pumps and put the spare pumps in and returned the station to normal. Each pump was pumping 36 gallons per minute.

We pulled one pump apart, it was jammed with plastics and towels which caused the pump to burn up. I would like to move forward with the muffin minster. I know we were talking about putting it in the wet well. However, what we had to do this morning to pull the pumps was very difficult. I recommend we install the unit that comes in its own closure. I will send you the photos, the roof hatch worked great!

Thanks,

Mark Miller

Dusty + Kevin hooking
up the pumps





New Pump.

Lowering Pump into
Wet well



