

EAST GOSHEN MUNICIPAL AUTHORITY

June 12, 2017

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 Inc. Report

4. APPROVAL OF MINUTES

- a. May 8, 2017

5. APPROVAL OF INVOICES

a. Pennoni Invoice #749368	\$2,083.00
b. Pennoni Invoice #749370	\$2,665.25
c. Pennoni Invoice #749371	\$ 140.00
d. Pennoni Invoice #749372	\$1,146.00
e. Pennoni Invoice #749373	\$1,723.25
f. Gawthrop Invoice #181038	\$1,640.00

5. LIAISON REPORTS

6. FINANCIAL REPORTS

- a. May Financial Report

7. OLD BUSINESS

- a. Consider West Goshen Agreement.

8. GOALS

- a. Operate the Ridley Creek Sewer Treatment Plant in compliance with NPDES Permit requirements. *January*,
- b. Continue to implement the formal Inflow (surface water) & Infiltration (ground water), (collectively "I&I") Plan to reduce the amount of I&I into the sewer system.

- c. Respond to capacity requests within 45 days.
- d. Develop an operation manual for Ridley Creek Sewer Treatment Plant and pump stations. *Currently under review by staff.*
- e. Submit topical articles of interest for the East Goshen newsletter. *May*
- f. Attend West Goshen Municipal Authority meetings to keep informed of planned capital expenditures and operation compliance. *January, February, March, April*

9. NEW BUSINESS

10. CAPACITY REQUESTS

11. ANY OTHER MATTER

12. CORRESPONDENCE AND REPORTS OF INTEREST

13. PUBLIC COMMENT

14. ADJOURNMENT

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

June 9, 2017

To: Municipal Authority
From: Mark Miller
Re: May 2017 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 804,000 gallons per day.

Meters: Meters were read on a daily basis; The Ellis Lane meter went down for two weeks due to the modem failure, Sue spent many pain staking hours trying to get Verizon to fix the problem. Allied Control finally had Verizon follow thru with the new sim cards to get the modem up and running again. The portable flow meters are still in place and being read weekly.

C.C. Collection: The pump stations were visited on a regular basis with no problems to report. The wet wells were cleaned by an outside contractor; the grit was taken to DELCORA for disposal. We replaced to castings and lids in Hershey Mill Estates. We had two sewer lateral repairs to replace traps and cleanouts.

R.C. Collection: Pump Stations were visited on a daily basis with no problems to report. As part of our routine maintenance the wet well was cleaned. The sewer lateral was installed at 1662 East Boot Road; this was the one that has several parties involved.

R.C. Plant: Scott and the new operator have been sending me daily reports on all the work being done as well as the lab reports for what they have tested that day. The new personnel on site are doing a good job. We have received the materials to do the wet taps. The new trailer mounted pump has arrived.

Alarms: We responded to 22 alarms for May.

PA One Calls: We received 86 PA One calls in May.

**EAST GOSHEN MUNICIPAL AUTHORITY
ENGINEER'S REPORT
June 9, 2017**

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- Caustic soda pilot study –
 - We met with Mark Miller and John Laidley (controls contractor) on May 9 and determined the controls and electrical systems for the caustic soda chemical feed pump pilot study as well as options for the configuration of a future, permanent caustic feed system. It is our understanding that an electric line was run and an outlet installed at the location of the proposed pilot study feed pump after the meeting.
 - Coyne Chemical and Big Fish performed jar testing on May 23. According to Big Fish, one sample was taken from SBR #4 during the React phase, and 25% caustic soda was added until it reached a pH of 7.0. Alkalinity could not be tested due to problems with the titration equipment. Coyne estimated that the entire plant will need 1.75 GPD of 25% caustic soda based on a flow of 350,000 GPD. However, we had expected the demand to be around 125 GPD based on the current amount of soda ash being used. We are coordinating with Coyne and Big Fish to resolve this discrepancy and to determine an initial feed rate and quantity of caustic soda required for the pilot study.
 - We had selected a chemical feed pump for the Township to acquire for the pilot study based upon our expected 125 GPD demand to pump at approximately 0.3 GPM (17.6 gallons/hr) during the Fill stage only. The spare LMI pump at the plant is only rated for 1 gallon/hr.
 - A pilot study sampling plan has been requested from Big Fish.
 - The intent is still to tap the SBR influent pipe and install the system upon resolution of the chemical feed amount and feed pump selection. The pilot study is expected to be run for 3-4 weeks. Our goal is to begin the pilot study in June.
- SBR tanks CIM coatings –
 - We have researched the SBR tanks' CIM coating bubbling and peeling issues further and have continued coordination with Dutchland. The coating was installed by Dutchland in July-August 2009 and had a 10-year warranty, so it is therefore still under warranty. We are reviewing the warranty document to revisit conditions and if there is an extended period of coverage.
 - Background – The concrete wall panels were precast and pre-stressed, and the walls were post-tensioned. There were hairline cracks that occurred in the walls of the structure allowing some liquid to penetrate through the walls causing concern that it would eventually corrode the rebar and cause spalling. Dutchland originally attempted to coat the cracks with a cementitious Sika product that quickly cracked when loaded. They next attempted to grind out each crack and fill it with a Sika 1A / Sikaflex caulk material which also failed under loading. At that point, they proposed coating the interior of the wall with CIM under the premise that the material would remain flexible and not crack and fail under loading, although this is not a traditional application for CIM. Prior to the issues with the cracks in the walls, Dutchland used

Sika on the joints between the precast walls and poured in place floor slab. They also used it on the saw cut expansion joints in the floor slab.

The CIM applied to the joint between the floor slab and the wall and along the expansion joint in the floor was applied by Dutchland personal. The CIM coatings on the walls were applied by Dutchland's subcontractor, CIM East Coast. It is our understanding that CIM East Coast was an authorized supplier and installer by the CIM manufacturer. They employed quality control for the application of the CIM coating on the walls that appeared to be stringent per our observations. For example, the material was only applied at night due to temperature and UV concerns, and they used wet mill gauges to check the thicknesses.

- To-date, we have not observed any spalling of concrete. Our expectation is that the coating deterioration observed up to this point can continue to be spot repaired, but the ultimate repair once the coating reaches the end of its useful life will be to completely remove and replace with a new coating, possibly a different material.

Reservoir Road Pump Station

- PADEP issued the State Water Obstruction and Encroachment Permit for the pump station site and Chester Creek utility crossing in June 2016; however, they are requiring a separate federal authorization by the Army Corps of Engineers (ACOE). Due to lack of coordination between PADEP and ACOE, we have had to initiate an application process directly with the ACOE. The ACOE provided lengthy comments and questions on May 5, 2017, including items outside the scope of the Chester Creek encroachment permit application before them such as work at the Ridley Creek, that we are in the process of addressing. We have discussed the comments and our responses on several occasions thereafter with the ACOE reviewer, Dave Caplan. Due to the amount of time that has passed since permitting work was initially performed on this project, certain timeframes have expired since PADEP issued their permit in June 2016 including wetland delineations, PNDI environmental review, and the USFWS bog turtle habitat study approval. We have therefore performed limited field work to revisit the wetland delineations (no changes observed), prepare new wetland field notes requested by ACOE, ran a new PNDI search, and made a new submission to USFWS to re-approve the bog turtle study and proposed exclusionary measures. We are awaiting a response from USFWS. We are meeting with Mr. Caplan at the site on June 19 per his request. We expect that some plan and permit application revisions will be needed following the meeting.
- The bid document will be finalized and submitted upon receipt of the remaining ACOE permit.
- We will complete a listing of the permits, expiration dates, and renewal deadlines once the ACOE permit is issued.

RCSTP and Pump Stations' O&M Manual

- We researched 12 boxes of historical plans, design information, permits, and correspondence, amongst other things, from the Township. We also performed a field visit to the recently upgraded Hunt Country Pump Station to obtain equipment information, and we contacted vendors to obtain additional equipment information. The Manual has been updated to address the research, add Hunt Country Pump Station information, and incorporate comments from Mark Miller. An updated copy of the Manual has been submitted to the Township for review with a list of items and information needed to complete the document.

White Chimneys Manhole Replacement

- We will provide assistance as requested by the Township during construction.

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- No activity since last report.



**RCSTP Monthly Operations
Report:
May 2017**

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the permitted discharge limitations during the month of April 2017. Discharge to Applebrook remained off line. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process.

Treatment Process Operation

The treatment process monitoring and adjustments resulted in compliance with the final effluent discharge limitations for outfall 001. Collection of additional TSS samples continued during the month to assist with a means to calculate a weekly average. These additional samples provide more representative data of the typical water quality discharged on a regular basis as compared to any elevated individual discharge concentration.

The total phosphorus monthly average was reported as 0.22 mg/L as compared to the permitted limitation of 0.50 mg/L. Total phosphorus discharge concentrations ranged from 0.18 to 0.28 mg/L. The ammonia as nitrogen monthly concentration was reported as 0.254 mg/L as compared to the permit discharge limitation of 2.5 mg/L. The ammonia as N weekly maximum was 0.359 mg/L. The total suspended solids (TSS) monthly concentration was reported as 7 mg/L as compared to the permit discharge limitation of 10 mg/L. The weekly maximum concentration was 8 mg/L as compared to the permit discharge limitation of 15 mg/L.

Table 1 illustrates the final effluent composite sample data reported for the April 2017 eDMR. Discharge to Applebrook, Outfall 002, remained discontinued during and May will remain off line until approximately June 2017.



**RCSTP Monthly Operations
Report:
May 2017**

Table 1

April 2017 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD₅		TSS		NH₄-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	10	131	2.5	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
April 4, 2017	0.355	2.3	6.8	7	20.7	0.232	0.69	0.18	0.53	1	0.0000
April 6, 2017	0.196			4	6.5						
April 11, 2017	0.306	2.2	5.6	8	20.4	0.294	0.75	0.28	0.71	4	0.6021
April 13, 2017	0.386			7	22.5						
April 18, 2017	0.226	2.3	4.3	8	15.1	0.131	0.25	0.18	0.34	1	0.0000
April 21, 2017	0.152			7	8.9						
April 27, 2017	0.246	4.7	9.6	8	16.4	0.359	0.74	0.24	0.49	1	0.0000
April 28, 2017	0.213			7	12.4						
Average	0.260	2.9	6.6	7	15.4	0.254	0.61	0.22	0.52	1	0.1505
Minimum	0.152	2.2	4.3	4	6.5	0.131	0.25	0.18	0.34	1	0.0000
Maximum	0.386	4.7	9.6	8	22.5	0.359	0.75	0.28	0.71	4	0.6021

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 2 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during April 2017.



**RCSTP Monthly Operations
Report:
May 2017**

Table 2

April 2017 - 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											
April 4, 2017	0.516	34.3	147	66	284	35.7	153	38.2	164	4.4	18.9
April 11, 2017	0.487	80.5	346	46	198	39.1	168	30	122	3.2	13.8
April 18, 2017	0.426	105	451	20	86	35.8	154	31.4	112	4.0	17.2
April 27, 2017	0.431	111	477	178	765	43.1	185	51.8	186	9.4	40.4
Average	0.465	83	356	78	333	38.4	165	37.9	146	5.3	22.6
Minimum	0.426	34	147	20	86	35.7	153	30.0	112	3.2	13.8
Maximum	0.516	111	477	178	765	43.1	185	51.8	186	9.4	40.4

Table 3 presents the available Outfall 001 final effluent data for the month of May 2017. The facility is anticipated to achieve compliance with the discharge permit limitations during the month of May.

Table 3

May 2017 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total, mg/L		Fecal Coliform	
		mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
	MGD Average	20	125	10	131	2.5	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
May 2, 2017	0.285	2.0	4.8	6	14.3	0.180	0.43			982	2.9921
May 9, 2017	0.281	2.0		7	16.4	0.100		0.15	0.35	1	0.0000
May 18, 2017	0.228							0.22	0.42		
May 23, 2017	0.316							0.21	0.55		
May 30, 2017	0.336										
Average	0.289	2.0	4.8	7	15.3	0.140	0.43	0.19	0.44	31	1.4961
Minimum	0.228	2.0	4.8	6	14.3	0.100	0.43	0.15	0.35	1	0.0000
Maximum	0.336	2.0	4.8	7	16.4	0.180	0.43	0.22	0.55	982	2.9921



**RCSTP Monthly Operations
Report:
May 2017**

During May, the presence of foam conditions on the surface of the SBRs began to decrease with foam concentrations ranging from 40% to 100% of the area. Reduction of filled decants and adjustments to the SBR dissolved oxygen control set points to ensure adequate aeration for nitrification assisted to sustain the final effluent water quality.

There are no anticipated exceedances of the permitted limitations for Outfall 001 for May 2017. There was no discharge from outfall 002. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.

Table 4

May 2017 - 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											
May 2, 2017	0.366	288	879	448	1,367	38.5	118	35.2	107	4.5	13.7
May 9, 2017	0.356	156	476	188	574	33.0	101	34.6	103	6.3	19.2
May 18, 2017	0.448										
May 23, 2017	0.517										
May 30, 2017	0.432										
Average	0.424	222	678	318	971	35.8	109	34.9	105	5.4	16.5
Minimum	0.356	156	476	188	574	33.0	101	34.6	103	4.5	13.7
Maximum	0.517	288	879	448	1367	38.5	118	35.2	107	6.3	19.2

Sequencing batch reactors (SBRs) numbered 2, 3 and 4 were in service during April and May. 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. The volume of aluminum sulfate solution to the SBRs increased to from 65.8 gpd to 90.6 gpd. Soda ash daily addition decreased from



**RCSTP Monthly Operations
Report:
May 2017**

372 lbs./day to 268 lbs./day. 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.

Solids Dewatering and Disposal: May 2017

Sludge Dewatering Summary	
Gallons of sludge dewatered	318,760
Number of dumpsters	5

**Eighteen (18) days of centrifuge operation*

Sludge dewatering increased from 223,018 gallons to 318,706 gallons. A total volume increase of 95,742 gallons.

During May, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.

Sludge holding tank No. 1 was in service. The level at the beginning of the month was 7.55 feet and the level at the end of the month was 10.07 feet. Six hundred (600) pounds of soda ash were added. The average total solids concentration measured as 0.82%. The average pH and total alkalinity concentrations were measured as 6.72 S.U. and 116 mg/L, respectively.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 13.9 feet and the level at the end of the month was 8.18 feet. One thousand two hundred and fifty (1,250) pounds of soda ash were added. The total solids concentration measured as 0.75%. The average pH and total alkalinity concentrations were measured as 6.53 S.U. and 163 mg/L, respectively.

Chemical Usage:

May 2017		
Chemical	Daily Average	Total Monthly
Soda Ash	268	8,050
Aluminum Sulfate solution	90.6	2,536
Polymer (centrifuge)	0.84	21.84

**Twenty six (26) days of centrifuge operation*



**RCSTP Monthly Operations
Report:
May 2017**

Flow data:

May 2017			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	13.706	442,117	760,360
Influent Wastewater to SBRs	14.498	467,691	655,552
Internal Recycle	0.987	31,828	101,166
Treated Effluent to Disc Filters	13.991	451,332	637,762
Final Effluent Discharge	11.141	359,387	918,000*
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

**This value is the result of rainfall and filled decants of the SBRs*

Significant Storm/Hydraulic Loading Events

During May, there were five (5) storm events resulting in a daily precipitation amount equal to or greater than 0.5 inches measured during a 24 hour period. A total of 6.20 inches of rainfall measured during the month. These events occurred on:

May 5 th	1.28 inches
May 6 th	0.50 inches
May 13 th	1.02 inches
May 14 th	0.94 inches
May 26 th	1.38 inches
May 29 th –June 1 st	0.27 inches

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001. Adjustments included reading aeration minutes per cycle, extending decant minutes per cycle and reducing settling times. The facility experienced several filled decant cycles during the rain events.

PA DEP

PADEP plant inspection on May 4th. Inspection report has not been received.



Minor Repairs and Preventative Maintenance

Replaced check valve for SBR 2 sludge wasting pump.

Flushed chemical feed lines to the SBRs.

Replaced failed valve on disc filter number 1

Look Ahead Preventative Maintenance Activities

Overhaul centrifuge drive gear boxes and evaluation of bearings for replacement.
Gathering information for parts.

DRAFT
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
May 8, 2017

The East Goshen Township Municipal Authority held their regular public meeting on Monday, May 8, 2017 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Ed McAssey, Dana Pizarro, Jack Yahraes, Kevin Cummings and Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Mike Ellis (Pennoni), Patrick McKenna (Attorney), Scott Towler (BFES), Walter Wujcik, Conservancy Board and Joe Kahn.

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

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

Chairman's Report

Ed reported that he attended the Board of Supervisors meeting last Tuesday along with Dana and Phil. They approved a bond issue, which will include funds for the West Goshen Sewer Authority. Dana feels there may still be some items, i.e. contingencies etc., that aren't included in the current total. Jon Altshul, Township CFO, commented that there are other funds that can cover extras. West Goshen hopes to be done the rehabilitation by 2020. Rick mentioned that under the terms of a bond 85% of the funds must be spent within 3 years. Also, the BOS is holding their annual strategic planning meeting on May 24, 2017 at 10:30 am at the Township Building.
Ed mentioned that the West Goshen meeting scheduled for last Wednesday was postponed to this Thursday. He will attend it.

Sewer Reports

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

Monthly Flows: The average daily flow to West Goshen was 747,000 gallons per day.

Meters: Meters were read on a daily basis. Ellis Lane meter was having problems and had to be pulled for repairs. The new meter for Reservoir Road has been ordered. All meters were calibrated last week with the exception of the Ellis Lane meter. The other meters were fine.

C.C. Collection: Pump stations were visited on a regular basis with no problems to report.

We completed the lawn restorations on the properties that we did repairs on over the winter.

We are gearing up to start cleaning and televising the lines under the streets that we are

1 planning on paving this year. Sonoco Pipe Line has started working as part of their approval.
2 We were required to locate the Ashbridge force main before they started drilling.
3 R.C. Collection: Pump stations were visited on a daily basis. The basket was emptied and the
4 wet well was washed down.
5 R.C. Plant: No problems to report.
6 Alarms: We responded to 18 alarms for April.
7 PA One Calls: We received 88 PA One calls for April.
8

9 **2. Pennoni Engineer's Report for April**

10 Mike Ellis provided the following report.

11 **Invoices**

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

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

- 14 • The new NPDES Permit has been finalized and became effective on May 1, 2017. It expires
15 in 5 years. Prior to finalizing, the permit was revised by PADEP to adequately address our
16 comments.
- 17 • Caustic soda pilot study – We submitted a letter to PADEP requesting approval to perform the
18 pilot study, and they responded with their approval. A meeting is scheduled with Mark Miller,
19 John Laidley (controls contractor), and me on May 9 to determine the controls system for the
20 caustic soda chemical feed pump. We are also coordinating with chemical vendors to perform
21 a jar/batch test, and a sampling plan has been requested from the plant operator. The intent is
22 to tap the SBR influent pipe and install the system upon completion of the jar/batch testing.
23 We are coordinating with Dutchland on the SBR tanks' CIM coating bubbling and peeling in
24 response to the letter from Chase Corporation, the CIM manufacturer, implying that the coating was
25 not properly installed and is not thick enough.
26 Mike commented that they will repair as needed. The maintenance timeframe was discussed.

27 **Reservoir Road Pump Station**

- 28 • PADEP issued the State Water Obstruction and Encroachment Permit for the pump station
29 site and Chester Creek utility crossing in June 2016; however, they are requiring a separate
30 federal authorization by the Army Corps of Engineers (ACOE). We submitted a copy of the
31 full application directly to ACOE the week of April 10, 2016.
- 32 • CCCD E&S approval was issued on February 13, 2017, and the NPDES Permit for
33 Stormwater Discharges was issued on March 3, 2017. The NPDES Permit requires a
34 stormwater plan be recorded with the County within 45 days. It is our understanding that the
35 documentation has been recorded.
- 36 • The PADEP Water Quality Management (WQM) Permit was issued on March 10, 2017.
- 37 • We obtained a 1-year extension from PennDOT for the Highway Occupancy Permit.
- 38 • The bid document will be finalized and submitted upon receipt of the remaining ACOE
39 permit.

- We will complete a listing of the permits, expiration dates, and renewal deadlines once the ACOE permit is issued.

Mike mentioned that the DEP did not submit to the ACOE so some items have expired. He will provide the information they need (wetland delineation report). They want to meet in June for a site walk.

RCSTP and Pump Stations' O&M Manual

- We received 8 boxes of historical plans, design information, permits, and correspondence, amongst other things, from the Township. Relevant data is being incorporated into the manual.

White Chimneys Manhole Replacement

- We will provide assistance as requested by the Township during construction.

Semi-Annual I&I Reports

- We expect to issue the current report by May 9, 2017.

Chapter 94 Reports

- No activity since last report.

New Connections

- No activity since last report.

West Goshen Sewer System Consultation

- We attended a field presentation by HRG on the CoMag pilot study at West Goshen's WWTP. We are also reviewing the conceptual scope vs. projected costs for their proposed improvements to the Westtown Way Pump Station.

3. Big Fish Environmental Services – Scott's report for April showed that the Ridley Creek sewage treatment plant outfall 001 experienced achieved compliance of the permitted discharge limitations during the month of March 2017. The new NPDES permit was issued and became effective May 1, 2017. Discharge to Applebrook remained off line. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of sludge dewatering equipment or SBR treatment process.

Comments:

Scott mentioned that 1/28/17 sample hit 14. First 2 samples in Feb were 14 also. He discussed aeration and the cleaning process. By end of Feb all was okay. He discussed the lab and sample collection. He explained where flows are taken from and how it goes through the plant. Bill Collins, the new PA DEP inspector, did an inspection last week. He will generate a daily email with current data.

1 **Approval of Minutes**

2 The minutes of the April 10, 2017 meeting were approved as amended.

4 **Approval of Invoices**

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

- | | | | |
|----|----|-----------------|------------|
| 6 | a. | Pennoni #745029 | \$1,261.50 |
| 7 | b. | Pennoni #745030 | \$2,271.75 |
| 8 | c. | Pennoni #745031 | \$ 642.25 |
| 9 | d. | Pennoni #745032 | \$ 705.00 |
| 10 | e. | Pennoni #745033 | \$1,094.50 |
| 11 | f. | Pennoni #745034 | \$2,052.75 |
| 12 | g. | Pennoni #745035 | \$2,150.50 |

13 Dana seconded the motion. The motion passed unanimously.

14 2. Dana moved to approve payment of the following Gawthrop invoice:

- | | | | |
|----|----|--------------------------|------------|
| 15 | a. | Gawthrop Invoice #178786 | \$2,140.00 |
|----|----|--------------------------|------------|

16 Jack seconded the motion. The motion passed unanimously.

18 **Liaison Report**

19 **Conservancy Board** – Walter reported that Keep East Goshen Beautiful Day held on Saturday, April
20 22, 2017, had a good turn out. On April 29 they put wood chips down in Clymers Woods but only
21 had enough to do half the trees. The Spring planting will be held on May 6, 2017 at the Marydell
22 pond.

23 **Board of Supervisors** Carmen reported that he and Marty attended a meeting about the Sunoco
24 pipeline on Thursday night and spoke with East Goshen residents.

26 **Financial Reports**

27 Jon Altshul provided the following written report:

28 In April 2017, the Municipal Authority recorded \$44,855 in income (a \$40,000 transfer from the
29 sewer operating fund and two tap-in fees on School Lane) and \$22,764 in expenses (including \$4,600
30 for the audit; \$12,723 in general engineering expenses; \$2,140 for legal; and \$3,301 for Reservoir Rd.
31 Pump Station engineering) for a positive variance of \$22,092.

32 As of April 30, the fund balance was \$1,432,059 of which \$1,368,891 is in the main construction
33 account (most of which represents the 2013 note.)

35 **Goals**

36 Goals for 2017 were reviewed. Ed will provided an article for the newsletter.

38 **Old Business**

39 **West Goshen Sewer Authority** - Rick provided copies of the 4/19/17 West Goshen Draft Agreement
40 No. VIII which was sent to the West Goshen solicitor. Rick reviewed the draft. Patrick mentioned
41 that they asked for a meeting which will be held tomorrow.

42 Rick also provided copies of the West Goshen Sewer Authority invoice for 2016. The list of 2016
43 capital projects was reviewed and discussed. Kevin moved to approve payment of the March
44 28,2017 invoice (less some legal fees) for West Goshen Sewer Authority in the amount of
45 \$220,814.48. Phil seconded the motion. The motion passed unanimously.

1
2
3 **Adjournment**

4 There being no further business, Jack moved to adjourn the meeting. Dana seconded the motion. The
5 meeting was adjourned at 8:45 pm. The next meeting will be held on Monday, June 12, 2017 at 7:00
6 pm.

7
8 Respectfully submitted,
9

10
11
12 Ruth Kiefer
13 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 # : 749368
Invoice Date : 05/25/2017
Project : EGMA1504
Project Name : Reservoir Rd PS Design &
Permitting

For Services Rendered through: 5/14/2017

Coordinated with Army Corps of Engineers (ACOE) on Chester Creek stream crossing joint permit application; reviewed and discussed lengthy review comments with Dave Caplan from ACOE; initiated preparation of comment response letter; re-ran PNDI search, contacted Fish & Wildlife Service (FWS) for bog turtle habitat re-approval process, and determined wetland re-delineation field scope to address ACOE's comments; and initiated preparation of updated application package to FWS for re-approval.

Phase : 12 -- Permitting

Total Phase : 12 -- Permitting

Labor : 2,083.00
Expense : 0.00
Phase Total : 2,083.00

Amount Due This Invoice

\$2,083.00

Phase : 12 -- Permitting

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	3.50	119.00	416.50
Sr. Environmental Scientist	16.50	101.00	1,666.50
Labor Total:	20.00		2,083.00

Total Phase : 12 -- Permitting

Labor : \$2,083.00
Expense : \$0.00

Total Project : EGMA1504 -- Reservoir Rd PS Design & Permitting

Labor : \$2,083.00
Expense : \$0.00

OK RS
SEE NOTE ON LAST PAGE

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

East Goshen Municipal Authority
EGMA1504 Invoice Summary
Invoice Date 5/25/2017

Project: EGMA1504
Pennoni Job No.: Reservoir Rd PS Design & Permitting
Invoice No: 749368
Invoice Period: 4/17/2017 to 5/14/2017
Initial Authorization: \$ 167,120.00 **Date:** 5/25/2017
Contract Amount: \$ 187,120.00
Previously Invoiced: \$ 184,953.00
Current Invoice: \$ 2,083.00
Invoiced to Date (\$): \$ 187,036.00
Invoiced to Date (%): 99.96%
Remaining Budget (\$): \$ 84.00
Remaining Budget (%): 0.04%

Budget by Phase:

Phase Name:	Permitting	Phase 12
Phase Budget:	\$ 44,940.25	
Previously Invoiced:	\$ 42,950.00	
Current Invoice:	\$ 2,083.00	
Invoiced to Date (\$):	\$ 45,033.00	
Invoiced to Date (%):	100.21%	
Remaining Budget (\$):	\$ (92.75)	
Remaining Budget (%):	-0.21%	

Comments: Coordinated with Army Corps of Engineers (ACOE) on Chester Creek stream crossing joint permit application; reviewed and discussed lengthy review comments with Dave Caplan from ACOE; initiated preparation of comment response letter; re-ran PNDI search, contacted Fish & Wildlife Service (FWS) for bog turtle habitat re-approval process, and determined wetland re-delineation field scope to address ACOE's comments; and initiated preparation of updated application package to FWS for re-approval.

Reservoir Road Pump Station Design & Permitting

INVOICE SUMMARY

For Services Rendered through: 5/14/2017

Task No.	Activity	Contract Amount*	Invoiced Effort thru 3/19/2017	Remaining Budget (\$)	Remaining Budget (%)	Completed?
1	Concept Design	\$13,655.75	\$13,655.75	-	-	Yes
2	DEP WQM Pre-App. Meeting	\$1,300.00	\$1,300.00	-	-	Yes
3	Existing Conditions Survey	\$22,783.75	\$22,783.75	-	-	Yes
4	Sewer Stakeout in Easements	\$0.00	\$0.00	-	-	Scope eliminated
5	1636 Bow Tree Dr. Boundary Survey & Easement	\$4,020.00	\$4,020.00	-	-	Yes
6	Additional Boundary Surveys & Easements	\$0.00	\$0.00	-	-	Scope eliminated
7	Geotechnical Borings	\$4,000.00	\$4,000.00	-	-	Yes
8	Install Permanent Survey Benchmarks	\$0.00	\$0.00	-	-	Scope eliminated
9	Progress Design	\$29,450.00	\$29,450.00	-	-	Yes
10	Infiltration Testing	\$1,800.00	\$1,800.00	-	-	Yes
11	Final Design	\$65,170.25	\$64,993.50	\$176.75	0.3%	No**
12	Permitting	\$44,940.25	\$45,033.25	-\$93.00	-0.2%	No***
TOTAL		\$187,120.00	\$187,036.25	\$83.75	0.04%	

*After 12/14/2015 approved re-allocation of task budgets, 5/9/2016 approval of \$7,000 supplement, 7/11/16 approval of \$4,000 supplement, 11/14/16 approval of \$5,000 supplement, and 4/10/17 approval of \$4,000 supplement.

**Need to complete Bid Form and assemble full bid document package for Township once remaining permits are issued.

*** All permit applications have been submitted, and we are awaiting issuance of one remaining permit: Army Corps of Engineers federal authorization on the Chester Creek Small Projects Joint Permit. **ADDITIONAL EFFORT IS NEEDED TO MEET WITH AND PROVIDE REQUESTED DOCUMENTATION TO ACOE TO OBTAIN THE PERMIT.**



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 # : 749370
Invoice Date : 05/25/2017
Project : EGMA1505
Project Name : RCSTP and Pump Station O&M Manual

For Services Rendered through: 5/14/2017

Picked up 7 additional boxes of historical sewer system and pump stations' planning, design, permitting, and equipment documentation; reviewed and scanned documents; incorporated applicable information into the O&M Manual; obtained information from vendor for equipment formerly at the Reserve Pump Station that was relocated to the Hunt Country Pump Station; scheduled a site visit to the Hunt Country Pump Station to document other existing conditions and equipment; and prepared a listing of information needed to complete the Manual.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	2,665.25
Expense :	0.00
Phase Total :	2,665.25

Amount Due This Invoice

\$2,665.25

Fee :	12,500.00
Prior Billings :	9,594.50
Current Billings :	2,665.25
Total Billings :	12,259.75

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	2.00	119.00	238.00
Project Engineer	2.25	101.00	227.25
Graduate Professional	24.50	80.00	1,960.00
Project Assistant	4.00	60.00	240.00
Labor Total:	32.75		2,665.25

Total Phase : **** -- Professional Services

Labor :	\$2,665.25
Expense :	\$0.00

Total Project : EGMA1505 -- RCSTP and Pump Station O&M Manual

Labor :	\$2,665.25
Expense :	\$0.00

OK TS

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

East Goshen Municipal Authority
EGMA1505 Invoice Summary
Invoice Date 5/25/2017

Project:	EGMA1505		
Pennoni Job No.:	RCSTP & Pump Station O&M Manual		
Invoice No:	749370		
Invoice Period:	2/17/2017	to	5/14/2017
Initial Authorization:	\$ 12,500.00	Date:	5/25/2017
Contract Amount:	\$ 12,500.00		
Previously Invoiced:	\$ 9,594.50		
Current Invoice:	\$ 2,665.25		
Invoiced to Date (\$):	\$ 12,259.75		
Invoiced to Date (%):	98%		
Remaining Budget (\$):	\$ 240.25		
Remaining Budget (%):	2%		

Budget by Phase:

Phase Name:	RCSTP & Pump Station O&M Manual		
Phase Budget:	\$ 12,500.00		
Previously Invoiced:	\$ 9,594.50		
Current Invoice:	\$ 2,665.25		
Invoiced to Date (\$):	\$ 12,259.75		
Invoiced to Date (%):	98%		
Remaining Budget (\$):	\$ 240.25		
Remaining Budget (%):	2%		

Comments: Picked up 7 additional boxes of historical sewer system and pump stations' planning, design, permitting, and equipment documentation; reviewed and scanned documents; incorporated applicable information into the O&M Manual; obtained information from vendor for equipment formerly at the Reserve Pump Station that was relocated to the Hunt Country Pump Station; scheduled a site visit to the Hunt Country Pump Station to document other existing conditions and equipment; and prepared a listing of information needed to complete the Manual.



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 # : 749371
Invoice Date : 05/25/2017
Project : EGMA1606
Project Name : Ridley Creek STP Permit Renewal

For Services Rendered through: 5/14/2017

FINAL INVOICE

Reviewed official hard copy of the NPDES Permit to confirm consistency with accepted draft versions.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	140.00
Expense :	0.00
Phase Total :	140.00

Amount Due This Invoice

\$140.00

Fee :	5,500.00
Prior Billings :	5,351.50
Current Billings :	140.00
Total Billings :	5,491.50

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Graduate Professional	1.75	80.00	140.00
Labor Total:	1.75		140.00

Total Phase : **** -- Professional Services

Labor :	\$140.00
Expense :	\$0.00

Total Project : EGMA1606 -- Ridley Creek STP Permit Renewal

Labor :	\$140.00
Expense :	\$0.00

9/12/17

East Goshen Municipal Authority
EGMA1606 Invoice Summary
Invoice Date 05/25/2017

Project: EGMA1606
Pennoni Job No.: Ridley Creek STP Permit Renewal
Invoice No: 749371
Invoice Period: 4/17/2017 to 5/14/2017
Initial Authorization: \$ 4,500.00 **Date:** 5/25/2017
Contract Amount: \$ 5,500.00
Previously Invoiced: \$ 5,351.50
Current Invoice: \$ 140.00
Invoiced to Date (\$): \$ 5,491.50
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 8.50
Remaining Budget (%): 0%

Budget by Phase:

Phase Name: Ridley Creek STP Permit Renewal
Phase Budget: \$ 5,500.00
Previously Invoiced: \$ 5,351.50
Current Invoice: \$ 140.00
Invoiced to Date (\$): \$ 5,491.50
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 8.50
Remaining Budget (%): 0%

Comments: FINAL INVOICE: Reviewed official hard copy of the NPDES Permit to confirm consistency with accepted draft versions



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 # : 749372
Invoice Date : 05/25/2017
Project : EGMA1608
Project Name : West Goshen Sewer System
Consultati

For Services Rendered through: 5/14/2017

Field visit to West Goshen's WWTP for CoMag pilot study progress meeting with HRG and manufacturer. Evaluated HRG's proposed conceptual scoping and budgetary cost estimates for improvements to the Westtown Way Pump Station and prepared a comment email to East Goshen Township.

Phase : ** -- Professional Services**

Total Phase : ** -- Professional Services**

Labor :	1,146.00
Expense :	0.00
Phase Total :	1,146.00

Amount Due This Invoice

\$1,146.00

Fee :	5,000.00
Prior Billings :	1,298.75
Current Billings :	1,146.00
Total Billings :	2,444.75

Phase : ** -- Professional Services**

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	4.75	119.00	565.25
Project Engineer	5.75	101.00	580.75
Labor Total:	10.50		1,146.00

Total Phase : ** -- Professional Services**

Labor :	\$1,146.00
Expense :	\$0.00

Total Project : EGMA1608 -- West Goshen Sewer System Consultati

Labor :	\$1,146.00
Expense :	\$0.00

OK RS

East Goshen Municipal Authority
EGMA1608 Invoice Summary
Invoice Date 5/25/2017

Project: EGMA1608
Pennoni Job No.: West Goshen Sewer System Consultation
Invoice No: **749372**
Invoice Period: 4/17/2017 to 5/14/2017
Initial Authorization: \$ 5,000.00 **Date:** 5/25/2017
Contract Amount: \$ 5,000.00
Previously Invoiced: \$ 1,298.75
Current Invoice: \$ 1,146.00
Invoiced to Date (\$): \$ 2,444.75
Invoiced to Date (%): 49%
Remaining Budget (\$): \$ 2,555.25
Remaining Budget (%): 51%

Budget by Phase:

Phase Name: West Goshen Sewer System Consultation
Phase Budget: \$ 5,000.00
Previously Invoiced: \$ 1,298.75
Current Invoice: \$ 1,146.00
Invoiced to Date (\$): \$ 2,444.75
Invoiced to Date (%): 49%
Remaining Budget (\$): \$ 2,555.25
Remaining Budget (%): 51%

Comments: Field visit to West Goshen's WWTP for CoMag pilot study progress meeting with HRG and manufacturer. Evaluated HRG's proposed conceptual scoping and budgetary cost estimates for improvements to the Westtown Way Pump Station and prepared a comment email to East Goshen Township.



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 # : 749373
Invoice Date : 05/25/2017
Project : EGMA1701
Project Name : 2017 General Services

For Services Rendered through: 5/14/2017

Prepared May Engineer's Report, reviewed May RCSTP operator's report, and attended May MA meeting. Coordinated SBR tanks' CIM coating deficiency evaluation and rehabilitation approach with Dutchland. Emailed sewer system GIS files to Mark Gordon.

RCSTP Caustic Soda Pilot Study - reviewed pilot study approval letter from PADEP, coordinated for jar testing with Coyne Chemical and Big Fish, prepared budgetary cost estimate for permanent caustic soda treatment change, and attended meeting at RCSTP with M. Miller and controls contractor about electric and controls setups.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,723.25
Expense : 0.00
Phase Total : 1,723.25

Amount Due This Invoice

\$1,723.25

Fee : 12,700.00
Prior Billings : 6,267.50
Current Billings : 1,723.25
Total Billings : 7,990.75

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	12.25	119.00	1,457.75
Senior Professional	1.00	114.00	114.00
Project Engineer	1.50	101.00	151.50
Labor Total:	14.75		1,723.25

Total Phase : **** -- Professional Services

Labor : \$1,723.25
Expense : \$0.00

Total Project : EGMA1701 -- 2017 General Services

Labor : \$1,723.25
Expense : \$0.00

olc IRS

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

East Goshen Municipal Authority
EGMA1701 Invoice Summary
Invoice Date 5/25/2017

Project: EGMA1701
Pennoni Job No.: 2017 General Services
Invoice No: **749373**
Invoice Period: 4/17/2017 to 5/14/2017
Initial Authorization: \$ 12,700.00 **Date:** 5/25/2017
Contract Amount: \$ 12,700.00
Previously Invoiced: \$ 6,267.50
Current Invoice: \$ 1,723.25
Invoiced to Date (\$): \$ 7,990.75
Invoiced to Date (%): 63%
Remaining Budget (\$): \$ 4,709.25
Remaining Budget (%): 37%

Budget by Phase:

Phase Name: 2017 General Services
Phase Budget: \$ 12,700.00
Previously Invoiced: \$ 6,267.50
Current Invoice: \$ 1,723.25
Invoiced to Date (\$): \$ 7,990.75
Invoiced to Date (%): 63%
Remaining Budget (\$): \$ 4,709.25
Remaining Budget (%): 37%

Comments: Prepared May Engineer's Report, reviewed May RCSTP operator's report, and attended May MA meeting. Coordinated SBR tanks' CIM coating deficiency evaluation and rehabilitation approach with Dutchland. Emailed sewer system GIS files to Mark Gordon.

RCSTP Caustic Soda Pilot Study - reviewed pilot study approval letter from PADEP, coordinated for jar testing with Coyne Chemical and Big Fish, prepared budgetary cost estimate for permanent caustic soda treatment change, and attended meeting at RCSTP with M. Miller and controls contractor about electric and controls setups.



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
06/05/2017
Client No: 6604-001R
Invoice No. 181038

General Authority Services

Fees

Hours

05/04/2017 PMM	Numerous emails from/to R Unruh regarding Addendum VIII to agreement; Emails to/from R Smith regarding same.	0.90
05/05/2017 PMM	Review and analyze meeting packet.	0.40
05/08/2017 PMM	Review and analyze monthly report from Big Fish Environmental; Attend Authority meeting.	2.40
05/09/2017 PMM	Meeting with R Smith and R Unruh regarding revised memo agreement VIII; Revise memo agreement VIII; Email to R Smith regarding same.	1.80
05/10/2017 PMM	Email from R Smith regarding revised memo agreement VIII; Emails (3) to/from R Unruh regarding same.	0.70
05/11/2017 PMM	Email from R Unruh regarding revised Memo Agreement VIII.	0.20
05/12/2017 PMM	Email from R Smith regarding revisions to Memo Agreement VIII; Email from E McAssey regarding WGSA meeting.	0.40
05/16/2017 PMM	Email from R Smith.	0.20
05/18/2017 PMM	Review & Analyze revised memo agreement VIII; Email to R. Smith regarding same; Emails from/to R. Unruh regarding same.	0.50

East Goshen Municipal Authority

General Authority Services

Page: 2
06/05/2017
Client No: 6604-001R
Invoice No. 181038

		Hours	
05/25/2017	PMM		
	Emails (5) from R Smith and R Unruh regarding status of agreement with West Goshen.	0.50	
05/26/2017	PMM		
	Email from R Unruh regarding agreement with West Goshen.	0.20	
	For Current Services Rendered	8.20	1,640.00

	Recapitulation	Hours	Hourly Rate	Total
<u>Timekeeper</u>				
Patrick M. McKenna		8.20	\$200.00	\$1,640.00

Previous Balance	\$2,407.41
------------------	------------

Total Current Charges	1,640.00
-----------------------	----------

05/22/2017	Payment	-2,407.41
------------	---------	-----------

Balance Due	<u>\$1,640.00</u>
-------------	-------------------

ok RS

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 May Financial Report
Date: June 8, 2017

In May, the Municipal Authority recorded \$816.34 in interest income and \$233,400 in expenses, for a negative variance of \$232,584. Expenses included \$221,519 from the proceeds of the 2013 bonds for capital improvements at West Goshen STP; \$8,212 for general engineering, \$2,407 for legal services and \$1,262 for engineering costs related to the Reservoir Road Pump Station.

As of May 31st, the fund balance was \$1,199,475 of which \$1,146,913 is in the main construction account (most of which represents the 2013 note).

As you may have heard, East Goshen Township was awarded a Aaa credit rating from Moody's for its 2017 Series bonds. We expect to hold the competitive sale in early July.

A complete list of all year-to-date expenses and revenues is provided.

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
MAY 2017

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE - CAPITAL				
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE - 2013 NOTES (FULTON BANK)			1,402,284.17	
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE DNB CAPITAL ACCOUNT			1,368,890.64	
			33,393.53	
CAPITAL:				
REVENUE				
INTEREST EARNED - CONSTRUCTION	07341 1020	3,250.00	815.38	3,544.03
TOTAL REVENUE		3,250.00	815.38	3,544.03
EXPENSES				
C.C. CAPITAL - COLLECTION	07424 7420	212,486.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	0.00	1,261.50	8,906.50
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
WEST GOSHEN CAPITAL	07429 6100	0.00	221,519.48	221,519.48
TOTAL EXPENSES		212,486.00	222,780.98	230,425.98
NET CAPITAL		(209,236.00)	(221,965.60)	(226,881.95)
MUNICIPAL AUTHORITY ENDING FUND BALANCE - CAPITAL				
MUNICIPAL AUTHORITY ENDING FUND BALANCE - 2013 NOTES (FULTON BANK)			1,180,318.57	
MUNICIPAL AUTHORITY ENDING FUND BALANCE DNB CAPITAL ACCOUNT			1,368,890.64	
			33,393.53	

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
MAY 2017

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
OPERATING:				
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE - OPERATING (BB&T)				
			29,774.65	
REVENUE				
INTEREST EARNINGS	07341 1000	10.00	0.96	6.50
C.C. TAPPING FEES	07364 1100	14,296.00	0.00	4,000.00
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	1,692.00
TRANSFER FROM SEWER OPERATING	07392 0500	100,755.00	0.00	65,000.00
TOTAL REVENUE		115,061.00	0.96	70,698.50
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	31,620.00	0.00	0.00
MISCELLANEOUS EXPENSE	07424 3000	2,500.00	0.00	0.00
MUNIC.AUTH.-AUDITING	07424 3110	9,078.00	0.00	0.00
ENGINEERING SERVICES	07424 3130	37,500.00	8,211.75	35,340.25
LEGAL SERVICES	07424 3140	9,250.00	2,407.41	6,739.91
M.C.-DVRFA-DEBT SERVICE	07471 1000	26,320.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMIN	07472 1010	2,043.00	0.00	0.00
TOTAL EXPENSES		118,311.00	10,619.16	42,080.16
NET OPERATING		(3,250.00)	(10,618.20)	28,618.34
MUNICIPAL AUTHORITY ENDING FUND BALANCE - OPERATING				
			19,156.45	
MUNICIPAL AUTHORITY ENDING FUND BALANCE CAPITAL + OPERATING				
			1,199,475.02	

Report Date 06/08/17

GL Transaction Details

PAGE 1

MGRP18 run by BRIAN

1 : 48 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	INTEREST EARNINGS				0.00				
	1701 JE	56730		0.23		02/03/17	INTEREST		INTEREST EARNED JANUARY 2017 07 FUND
	1701		0.00	0.23	-0.23				
	1702	57134		0.06		03/06/17	INTEREST		INTEREST EARNED FEBRUARY 2017 07 FUND
	1702		0.00	0.06	-0.29				
	1703	57173		3.23		03/08/17	INTEREST		ADD'L INTEREST ADDED FROM JAN. 2017
		57549		0.61		04/05/17	INTEREST		INTEREST EARNED MARCH 2017 07 FUND
	1703		0.00	3.84	-4.13				
	1704	57927		1.06		05/03/17	INTEREST		INTEREST EARNED APRIL 2017 07 FUND
	1704		0.00	1.06	-5.19				
	1705	58423		0.96		06/02/17	INTEREST		INTEREST EARNED MAY 2017 07 FUND
	1705		0.00	0.96	-6.15				
07341-1000	**** ***	****	0.00	6.15	-6.15				
07341-1020	INTEREST EARNED - CONSTRUCTION				0.00				
	1701	56730		594.59		02/03/17	INTEREST		INTEREST EARNED JANUARY 2017 07 FUND
	1701		0.00	594.59	-594.59				
	1702	57134		536.20		03/06/17	INTEREST		INTEREST EARNED FEBRUARY 2017 07 FUND
	1702		0.00	536.20	-1,130.79				

East Goshen Township General Ledger

Report Date 06/08/17

GL Transaction Details

PAGE 2

MGRP18 run by BRIAN

1 : 48 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1020	1703	JE 57549		743.58		04/05/17	INTEREST		INTEREST EARNED MARCH 2017 07 FUND
	1703		0.00	743.58	-1,874.37				
	1704	57927		854.28		05/03/17	INTEREST		INTEREST EARNED APRIL 2017 07 FUND
	1704		0.00	854.28	-2,728.65				
	1705	58423		815.38		06/02/17	INTEREST		INTEREST EARNED MAY 2017 07 FUND
	1705		0.00	815.38	-3,544.03				
07341-1020	****	*** ****	0.00	3,544.03	-3,544.03				
07364-1100		C.C. TAPPING FEES			0.00				
	1704	57798		2,000.00		04/25/17	RECLASS		RECLASS TAP IN FEE
		RE 57797		2,000.00		04/25/17	57797 1		SEWER TAP IN - 5 SCHOOL LN C.C. TAPPING FEES
	1704		0.00	4,000.00	-4,000.00				
07364-1100	****	*** ****	0.00	4,000.00	-4,000.00				
07364-1110		R.C. TAPPING FEES			0.00				
		JE 57798	2,000.00			04/25/17	RECLASS		RECLASS TAP IN FEE
		RE 57795		2,000.00		04/25/17	57795 1		SEWER TAP IN - 3 SCHOOL LN
	1704		2,000.00	2,000.00	0.00				
07364-1110	****	*** ****	2,000.00	2,000.00	0.00				
07364-1130		CONNECTION FEES - SEWER			0.00				
	1702	CR 56762		423.00		02/07/17	125 25	10162	1 JACOBS, ROBERT & CHERYL
		56823		423.00		02/13/17	125 26	10160	1 GEORGE SMITH & CHRISTINA CONLE
				423.00		02/13/17	125 27	10161	1 STOFFLET, MICHAEL
		**	0.00	846.00	***				

Report Date 06/08/17

GL Transaction Details

PAGE 3

MGRP18 run by BRIAN

1 : 48 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1702				0.00	1,269.00	-1,269.00				
1703		57212			423.00		03/09/17	125 54	10163 1	PAPPANO, JOSEPH & PATRICIA
1703				0.00	423.00	-1,692.00				
07364-1130	****	***	****	0.00	1,692.00	-1,692.00				
07392-0500						0.00				
		JE	57171		25,000.00		03/08/17	DEPOSIT		DEPOSIT FR: SEWER TO MUNICIPAL
1703				0.00	25,000.00	-25,000.00				
1704		57579			40,000.00		04/06/17	DEPOSIT		DEPOSIT TO MA ACCT.7100.1000
1704				0.00	40,000.00	-65,000.00				
07392-0500	****	***	****	0.00	65,000.00	-65,000.00				
07424-1400						0.00				
		CD	57378	7,724.00			03/22/17	3048		425 EAST GOSHEN TOWNSHIP - GENERAL QTR.1 2017 REIMBURSEMENT FROM MA
1703				7,724.00	0.00	7,724.00				
07424-1400	****	***	****	7,724.00	0.00	7,724.00				
07424-3000						0.00				
		1701	56280	984.30			01/04/17	3040		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2017 ACTIVE MEMBERSHIP DUES
			56424	3.22			01/13/17	3041		425 EAST GOSHEN TOWNSHIP - GENERAL CORRECT BB&T DEPOSIT OF REMAININ BALANCE OF CLOSED ACCT.1100.1010 07100.1000
1701				987.52	0.00	987.52				

Report Date 06/08/17

GL Transaction Details

PAGE 4

MGRP18 run by BRIAN

1 : 48 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3000	****	*** ****	987.52	0.00	987.52				
07424-3110					0.00				
	1703	57470	4,600.00			03/30/17	3049	808	MAILLIE FALCONIERO & CO. PROGRESS BILLING 2016 MUN.AUTH.
	1703		4,600.00	0.00	4,600.00				
	1704	57655	4,600.00			04/13/17	3052	808	MAILLIE FALCONIERO & CO. 2016 EXAM. FINAN. STMTS. MUN.AUT
	1704		4,600.00	0.00	9,200.00				
07424-3110	****	*** ****	9,200.00	0.00	9,200.00				
07424-3130					0.00				
	1701	56425	4,399.50			01/13/17	3042	1052	PENNONI ASSOCIATES INC. SERVICES THRU 10/16/16 RCSTP & P STATION
	1701		4,399.50	0.00	4,399.50				
	1702	56874	2,044.00			02/17/17	3045	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/15/17 2016 CHAP
	1702		2,044.00	0.00	6,443.50				
	1703	57328	7,962.00			03/17/17	3047	1052	PENNONI ASSOCIATES INC. SERV.THUR 2/12/17 2017 GEN.SERV
	1703		7,962.00	0.00	14,405.50				
	1704	57510	5,416.50			04/03/17	3050	1052	PENNONI ASSOCIATES INC. SERV.THUR 12/11/16 2016 GEN.SERV
		57655	7,306.50			04/13/17	3053	1052	PENNONI ASSOCIATES INC. SERVICE THRU 3/19/17 RCSTP PERMI
	1704		12,723.00	0.00	27,128.50				
	1705	58070	8,211.75			05/11/17	3054	1052	PENNONI ASSOCIATES INC. SERVICE THRU 4/16/17 RCSTP & PUM STATION

Report Date 06/08/17

GL Transaction Details

PAGE 5

MGRP18 run by BRIAN

1 : 48 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1705				8,211.75	0.00	35,340.25				
07424-3130	****	***	****	35,340.25	0.00	35,340.25				
07424-3140	LEGAL SERVICES					0.00				
1701		56550		940.00			01/25/17	3043		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - DEC. 2016 GEN.AU
1701				940.00	0.00	940.00				
1702		56874		597.50			02/17/17	3044		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - JAN.2017 GEN.AUT
1702				597.50	0.00	1,537.50				
1703		57328		655.00			03/17/17	3046		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERV. FEB.2017 GEN.AUTHORI
1703				655.00	0.00	2,192.50				
1704		57655		2,140.00			04/13/17	3051		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - MARCH 2017 GEN.A
1704				2,140.00	0.00	4,332.50				
1705		58187		2,407.41			05/19/17	3055		528 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 4/4-4/28/17 GEN.AU
1705				2,407.41	0.00	6,739.91				
07424-3140	****	***	****	6,739.91	0.00	6,739.91				
07428-1000	RESERVOIR PUMP STATION - ENGINEER					0.00				
1701		56426		2,546.50			01/13/17	22002		1052 PENNONI ASSOCIATES INC. SERVICE THRU 10/16/16 RESERV.RD
		56551		375.00			01/25/17	22003		263 CHESTER COUNTY CONSERVATION DISTRICT RESERVOIR RD. NPDES PLAN REVIEW
1701				2,921.50	0.00	2,921.50				

East Goshen Township General Ledger

Report Date 06/08/17

GL Transaction Details

PAGE 6

MGRF18 run by BRIAN

1 : 48 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07428-1000	1702	CD	56875	1,422.75			02/17/17	22004	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/15/17 RESERV.RD
	1702			1,422.75	0.00	4,344.25				
	1704		57511	1,784.25			04/03/17	22005	1052	PENNONI ASSOCIATES INC. SERV.THUR 12/11/17 RESERVOIR RD.
			57656	1,516.50			04/13/17	22006	1052	PENNONI ASSOCIATES INC. SERV.THUR 3/19/17 RESERV.RD PS
	1704			3,300.75	0.00	7,645.00				
	1705		58071	1,261.50			05/11/17	22007	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/16/17 RESERV.RD
	1705			1,261.50	0.00	8,906.50				
07428-1000	****	***	****	8,906.50	0.00	8,906.50				
07429-6100	WEST	GOSHEN	CAPITAL			0.00				
				705.00			05/11/17	22007	1052	PENNONI ASSOCIATES INC. SERV. THRU 4/16/17 W.GOSHEN SEWE
				220,814.48			05/11/17	22008	3843	WEST GOSHEN SEWER AUTHORITY PROJECT COSTS RE: CONSTRUCTION, LABOR, PARTS, ENGINEERING, LEGAL TESTING
		**		221,519.48	0.00	***				
	1705			221,519.48	0.00	221,519.48				
07429-6100	****	***	****	221,519.48	0.00	221,519.48				
Grand Total				292,417.66	76,242.18	216,175.48				

Source	Debits	Credits
JE	2,000.00	70,550.18
RE	0.00	4,000.00
CR	0.00	1,692.00
CD	290,417.66	0.00
	292,417.66	76,242.18

Memo

Date: June 8, 2017
To: Board of Supervisors
Municipal Authority
From: Rick Smith, Township Manager
Re: West Goshen Sewer Agreement

Attached is final draft of the Memorandum Agreement No. VIII which addresses how East Goshen will fund its share of the improvements and upgrades to the West Goshen Sewer Treatment Plant and those parts of their sewer system that we utilize.

It was modeled after the Memorandum Agreement No. VII which covered how we paid for our share of the project costs when West Goshen expanded the treatment plant from 4.5 MGD to 6 MGD in 1997.

On June 6th the Board adopted a Debt Parameters Ordinance which outlines the parameters under which East Goshen will borrow the funds to pay for our share of the costs.

Our share of the costs is based on the reserve capacity for the various components.

16.67% for the Treatment Plant and those part of the collection system that we utilize.

54.8% for the Westtown Way Pump Station and Force Main.

The agreement has been reviewed by the East Goshen and West Goshen staff and our respective attorneys and engineers.

MEMORANDUM AGREEMENT NO. VIII

THIS AGREEMENT made the ____ day of _____, 20__, by and among WEST GOSHEN SEWER AUTHORITY (“West Goshen Authority”) and the TOWNSHIP OF WEST GOSHEN (“West Goshen”), both of 1025 Paoli Pike, West Chester, Pennsylvania (sometimes collectively referred to as “West Goshen”) and the EAST GOSHEN MUNICIPAL AUTHORITY (“East Goshen Authority”) and the TOWNSHIP OF EAST GOSHEN (“East Goshen”), both of 1580 Paoli Pike, West Chester, Pennsylvania (sometimes collectively referred to as “East Goshen”), bodies corporate and politic organized and existing under the laws of the Commonwealth of Pennsylvania.

WITNESSETH:

WHEREAS, all of the parties hereto entered into an agreement dated September 6, 1977, which dealt with the construction and sharing of certain sanitary sewage facilities located in East Goshen and West Goshen Township (the “1977 Agreement”); and

WHEREAS, the 1977 Agreement has been amended seven (7) times: by Memorandum Agreement executed by the parties in June 1981; by Memorandum Agreement II executed by the parties in September 1982; by Memorandum Agreement III executed by the parties on May 22, 1990; by Memorandum Agreement IV executed by the parties on May 14, 1991; by Memorandum Agreement V executed by the parties on August 18, 1992; by Memorandum Agreement VI executed by the parties on April 9, 1997; and by Memorandum Agreement VII executed by the parties August 27, 1997; and

WHEREAS, pursuant to Exhibit “C” of the 1977 Agreement, subject to the payment of charges and the limitations of the 1977 Agreement, the West Goshen Authority and West Goshen have granted to East Goshen Authority and East Goshen the right, during the term of the 1977 Agreement, to discharge sewage waste into the West Goshen Waste Water Treatment Plant (“Treatment Plant”) in the maximum quantities specified therein, and West Goshen, as lessee of West Goshen Authority’s Sewer System and Treatment Plant has agreed to convey, treat and dispose of said sewage waste; and

WHEREAS, West Goshen Authority and West Goshen have decided to replace, improve, modify, repair and update some of the facilities and equipment in their Sewer System and at the Treatment Plant (collectively the “Treatment Plant Project”), and East Goshen Township and East Goshen Authority are obligated to pay its proportional share of the costs for the facilities and equipment in the Treatment Plant Project that they utilize; and

WHEREAS, the parties hereto have agreed upon the replacements, improvements and modifications for the Treatment Plant Project for which East Goshen is obligated to contribute, as well as the percentage of the costs East Goshen is responsible to pay West Goshen; and

WHEREAS, the purpose of this Memorandum is to set forth the understandings of East Goshen and West Goshen in this regard.

NOW, THEREFORE. The parties hereto, each binding itself, its successors and assigns, and each presenting that it has proper legal authority to enter into this Memorandum Agreement VIII, and each intending to be legally bound hereby, do mutually represent, covenant and agree as follows:

1. Each paragraph of the foregoing recital is incorporated herein by reference and made a part of this Memorandum Agreement VIII.

2. Attached hereto and incorporated herein by reference as Exhibit "A" is a letter memorandum of Dennis Michael for Joshua T. Fox, P.E., Engineer from HRG for West Goshen, dated March 28, 2017, which sets forth the scope of the work generally to be completed as part of the Treatment Plant Project. Although Exhibit "A" sets forth estimated costs, East Goshen's obligations herein shall be based upon the actual cost of each Item as herein defined.

3. East Goshen shall pay its proportionate share, as indicated below, of the costs of the following items ("Item(s)"), if applicable, as outlined in Exhibit "A":

- a. Structural Repairs to Primary Clarifier No. 3 (16.67%)
- b. 2016 Sanitary Sewer System Repair Project (Contract 16-1), only those sanitary sewer mains and manholes that convey East Goshen sewage (16.67%)
- c. Emergency Generator Replacement Project (Contract 16-2) (16.67%)
- d. Headworks Improvement Project (Contracts 17-1 & 17-2) (16.67%)
- e. Anaerobic Digester Replacement Project (Contracts 17-3, ~~17-4~~, 17.6 & 17.7) (16.67%)
- f. Pump Station Phase I Improvements: By-Pass Pump Connections (Contract 17-~~45~~), Westtown Way Pump Station (No. 13) and Force Main only (54.80%)
- g. 2017 Sanitary Sewer System Repair Project (Contract 17-~~56~~), only those sanitary sewer mains and manholes that convey East Goshen sewage (16.67%). Any work involving the Westtown Way Pump Station (No. 13) and Force Main (54.8%)
- h. Enhanced Chemical Addition Project (16.67%)
- i. Wastewater Treatment Plant Phase II Improvements (16.67%)

- j. 2018 Sanitary Sewer System Repair Project, only those sanitary sewer mains and manholes that convey East Goshen sewage (16.67%). Any work involving the Westtown Way Pump Station (No. 13) and Force Main (54.8%)
- k. Pump Station Phase II Improvements, Westtown Way Pump Station (No. 13) and Force Main only (54.8%)
- l. 2019 Sanitary Sewer System Repair Project, only those sanitary sewer mains and manholes that convey East Goshen sewage (16.67%). Any work involving the Westtown Way Pump Station (No. 13) and Force Main (54.8%)
- m. Legal and Engineering fees incurred in the matter of West Goshen Sewer Authority v. United States EPA, et al., No. 12-5353 in the Eastern District of Pennsylvania (16.67%)

4. East Goshen shall be responsible for financing its share of the costs set forth herein. Accordingly, East Goshen shall not be responsible to pay ~~to any~~ Treatment Plant Project ~~related~~ costs related to financing and interest ~~costs~~ during construction. In addition East Goshen shall only be responsible to pay those Treatment Plant Project related costs that can be capitalized and reasonable legal fees associated with the Treatment Plant Project, and but shall not be responsible to pay Treatment Plant Project related administrative costs ~~for legal services or administrative costs~~. East Goshen shall be responsible to pay 16.67% of legal and engineering costs related to the application of the NPDES Permit or TMDL for the Treatment Plant.

5. As soon as practical after receipt of the actual construction bids for each of the Items listed in Exhibit "A", West Goshen shall deliver to East Goshen calculations of East Goshen's obligations to West Goshen pursuant to this Memorandum Agreement No. VIII. This calculation shall include the actual engineering costs for the design, permitting, and bidding of each Item and the estimated engineering cost of the inspection and project closeout for the Item. Within forty-five (45) days thereafter, East Goshen shall pay to West Goshen Sewer Authority a sum equaling its total obligation pursuant to the Memorandum Agreement No. VIII for its share of the costs. East Goshen's money shall be deposited into a separate interest bearing account,

with interest accruing to the benefit of East Goshen. From time to time withdrawals shall be made by West Goshen from said account as is necessary for East Goshen's proportionate share of the cost of the Treatment Plant Project, as identified in the attached Exhibit "A." Each withdrawal from the said interest-bearing account made by West Goshen shall be for completed and inspected work only and shall be in an amount which is not in excess of East Goshen's proportionate share of that part of the work on that Item for which the draw has been requested and for which payment has been authorized by West Goshen. Pursuant to Section 6.07 of the 1977 Agreement West Goshen shall notify East Goshen, for its approval, by e-mail of any change order (and the basis for such change order) that would affect East Goshen's cost for each Item. If the change order is approved East Goshen shall remit the additional funding within thirty (30) from the date of the e-mail. Pursuant to Section 6.08 of the 1977 Agreement as each Item is completed West Goshen's Consulting Engineer shall provide East Goshen in reasonably itemized form the total project cost for each Item, the amount of any applicable insurance proceeds or federal or state grants received or to be received an appropriate adjustments in respect of net income, gain or loss from investment of the funds. Payment for any additional charges shall be within thirty (30) days from the date of the bill and any refund shall be made within thirty (30) days of the final payment to the applicable contractor.

6. To the extent not inconsistent herewith, all provisions of the 1977 Agreement and the subsequent Memorandum Agreements I through VII are hereby ratified and confirmed.

IN WITNESS WHEREOF, the parties have caused these presents to be duly executed and their respective corporate seals affixed the day and year first written above.

ATTEST:

WEST GOSHEN SEWER AUTHORITY

Secretary

ATTEST:

By: _____

WEST GOSHEN TOWNSHIP

Secretary

ATTEST:

By: _____

EAST GOSHEN MUNICIPAL AUTHORITY

Secretary

ATTEST:

By: _____

EAST GOSHEN TOWNSHIP

Secretary

By: _____

F:\Data\Shared Data\West Goshen\Sewer Agreement\2017\MEMORANDUM AGREEMENT No VIII Draft Redline PMM
06.08.17.docx~~F:\Data\Shared Data\West Goshen\Sewer Agreement\2017\MEMORANDUM AGREEMENT No VIII Draft 041917 (Clean).docx~~

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

FYI

June 1, 2017

Dear Property Owner:

The purpose of this letter is to inform you that the owner of 1007 Taylor Avenue, West Chester, PA 19380, has submitted a subdivision sketch plan for review and comment by the Township Planning Commission. The owner, E Kahn Development, proposes a 2 lot subdivision of the property. The existing parcel has an area of approximately 1.08 acres and has two existing single family homes and a large garage.

The property is a legal non-conforming lot with legal non-conforming structures. The owner proposes to subdivide the parcel into two lots in such a way as to position each single family home on its own parcel.

The sketch plan proposes to subdivide the existing lot creating one new .89 acre lot and one new .019 acre lot. This subdivision will require variances which have not been determined at this time.

The Planning Commission will hear the application, ask questions and provide feedback so the applicant can decide on how to move forward with their application. The public will also have an opportunity to ask questions of the applicant and the Planning Commission.

Pursuant to Township policy, property owners and residents within 1000 feet of the subject property are notified of sketch plan submissions.

The Sketch Plan will be reviewed by the Planning Commission on:

- **June 7, 2017 - Planning Commission meeting (7:00 PM)**

All meetings are held at the Township Building and are open to the public. The sketch plan is available for review at the Township building during normal business hours. Please give me a call at or email me at mgordon@eastgoshen.org if you have any questions or need additional information.

Sincerely,

Mark A. Gordon
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions

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

FYI

May 31, 2017

Dear Property Owner:

The purpose of this letter is to provide you with an update on the Malvern Institute Zoning Hearing Board application. The Malvern Institute (the applicant) has granted the Township an extension until September 30, 2017 to hold the Zoning Hearing for their Special Exception and Variance application.

The applicant proposes to expand the second floor of the existing main building, construct a loft in the existing barn, convert the existing smoking area in the rear of the facility to a greenhouse, construct a new smoking pavilion, and add parking on the property.

Pursuant to Township policy, all Township properties within 1,000 feet of the property in question are notified of Zoning Hearing Board applications. The meetings and public hearings projected for this project's review and potential approval are:

1. **July 12, 2017 (7:00 PM) - Planning Commission meeting**
2. **August 2, 2017 (7:00 PM) - Planning Commission meeting**
3. **September 5, 2017 (7:00 PM) - Board of Supervisors**
4. **September 19, 2017 (7:00 PM) - Board of Supervisors**
5. **September 27, 2017 (7:30 PM) - Zoning Hearing Board (Public Hearing)**

All meetings will be held at the Township Building and are open to the public. The application and plans are available for review at the Township Building during normal business hours. Please give me a call at 610-692-7171 or e-mail me at mgordon@eastgoshen.org if you have any questions or need additional information.

Sincerely,

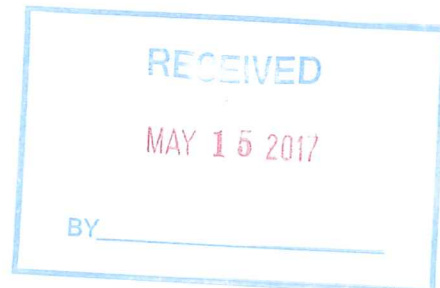


Mark Gordon
Township Zoning Officer

Cc: All ABC's
Brian Nagle, Esq. (VIA EMAIL ONLY)
Kristin Camp, Esq., Solicitor, East Goshen Township (VIA EMAIL ONLY)
John Nagel, Manager, East Whiteland Township (VIA EMAIL ONLY)
David Burman, Manager, Willistown Township (VIA EMAIL ONLY)

May 12, 2017

Dear Authority Member,



FYI

This year PMAA will celebrate 75 years of service to municipal authorities across the Commonwealth. This year's conference will be held September 10 – 13, 2017 at the Hershey Lodge and Convention Center. We hope you join us as we mark our diamond anniversary with new educational, networking and social events.

Sunday, September 10th we kick off our conference at a "Welcome Reception" with our exhibitors in the Great American Trade Show Hall. This event will be held from 8:30 pm - 10:30 pm, join us as we welcome one another back to Hershey!

Monday, September 11th we start the 75th Conference at 8:30 am with our Opening Ceremonies Session. We will travel back to the 1940's as our Keynote Speaker tells the story of Pennsylvania communities in the earliest days of PMAA; following our keynote address the annual business meeting will be held. The Exhibit Hall opens from 10:00 am to 12:00 pm. New this year is our Professional Luncheons, you will be offered five separate luncheon sessions for your specific professional interests (*Managers, Board Members, Solicitors, Engineers and Fiscal Administrators*). The Professional Luncheons will run from 12:00 pm – 1:45 pm. Afternoon educational sessions will be offered from 2:00 pm – 4:15 pm. The Exhibit Hall will reopen from 4:00 pm – 5:30 pm. This year, *on a new night*, the 75th Banquet reception will begin at 6:00 pm, followed by the awards banquet beginning at 6:45 pm. Our evening program will include recognition of past PMAA dignitaries, special guests and awardees and will conclude with music and dancing by the band RSVP.

Tuesday, September 12th we will start the day with breakfast in the exhibit hall, followed by a morning of Educational Sessions from 8:30 am – 12:00 pm. Lunch will be held in the trade show hall, offering plenty of networking opportunities with our exhibitors. Tuesday afternoon, beginning at 2:00 pm, will feature a General Session, to include three separate panel discussions: DEP Regulatory Update, "Maintaining Authority Ownership", and the ever popular, "Tell it to the Judge". The day does not end there! Tuesday evening we will present a new and exciting event, "PMAA Then and Now". The evening will begin with a 1940's themed reception, followed by dinner and planned activities throughout the evening. PMAA is pleased to recognize the inaugural class of the Authority Performance Assessment Program. We invite your authority to participate in a drinking water contest. PMAA will also recognize and acknowledge our exhibitors and associate members for their continued support of the Association throughout the years. During the evening we invite you to participate in a hometown products silent auction, while you enjoy music from the decades. Later this summer, we will reach out to our members for hometown product donations. For example...Yuengling beer from Pottsville or bologna from Lebanon.

Wednesday morning join us for breakfast as we conclude our 75th Annual Conference. Our closing speaker, Pamela Whitenack of the Hershey Community Archives will share with us, "Meet Milton Hershey: The War Years". How appropriate is it that on September 13 Milton Hershey would be 160 years old. Happy Birthday, Milton!

Our 75th anniversary celebration will not be complete without you. We ask our members to share with us, historical photos of your authority. We are very interested in photos that date back to the early 1940's. We would appreciate any photos you are willing to share from each decade, the 50's, 60's, and 70's and up to the present. We will utilize your photos in publications and video presentations at the conference.

We certainly hope you are as excited as we are in celebrating our Diamond Anniversary Conference. Please contact us with any questions or suggestions pertaining to the conference.

See you in Hershey!



Daniel J. Becker, P.E.
PMAA President



Matthew A. Cranmer
Conference Committee Chair

CONFERENCE REMINDERS:

- ✓ Look for Conference Registration materials by Memorial Day
- ✓ Select your conference attendees
- ✓ PMAA Online Registration for Conference/available May 30th
- ✓ Room block will be open at Hershey Lodge & Hotel Hershey on May 30th
- ✓ Register for New Conference Events:
 - Monday Luncheons
 - Monday evening 75th Anniversary Banquet
 - Tuesday evening (New Event) "PMAA Then and Now"

WATCH FOR ADDITIONAL CONFERENCE UPDATES THROUGHOUT THE SUMMER

PA Municipal Authorities Association
75th Anniversary Conference
September 10-13, 2017
Hershey Lodge and Convention Center

