

EAST GOSHEN MUNICIPAL AUTHORITY

November 14, 2016

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. October 10, 2016
5. APPROVAL OF INVOICES
 - a. Pennoni Invoice #717433 \$2,546.50
 - b. Pennoni Invoice #717434 \$1,009.00
 - c. Pennoni Invoice #717435 \$1,516.25
 - d. Pennoni Invoice #717436 \$1,874.25
 - e. Gawthrop Invoice #152899 \$ 480.00 - paid
5. LIAISON REPORTS
6. FINANCIAL REPORTS
 - a. October Financial Report
7. OLD BUSINESS
 - a.
8. GOALS
 - a. Operate the Ridley Creek Sewer Treatment Plant in compliance with NPDES Permit requirements. *January, February, March, April, May, June, July, August, September, October*
 - 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. *943 Cornwallis Drive, 1420 East Strasburg Road (3 EDUs), 1329 North Chester Road, 1631 Hunter Circle, 411 Misal Drive*
- 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. *Winter, Summer,*
- f. Attend West Goshen Municipal Authority meetings to keep informed of planned capital expenditures and operation compliance. *January, February, March, May, June, July, August, September, October*

9. NEW BUSINESS

- a. 2017 Fees for Legal Services – Gawthrop Greenwood,PC
- b. Ridley Creek Sewage Treatment Plant Operation and Maintenance Services

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

November 9, 2016

To: Municipal Authority
From: Mark Miller
Re: October 2016 Monthly Report

Monthly Flows: The average daily flow to West Goshen was 690,800.

Meters: Meters were read on a daily basis no problems to report. The portable meters were read as well. Portable meters were removed from their previous locations. They were cleaned and prepared to be reinstalled. On November 2016 the portable meters were installed at the locations that Mike Ellis and I discussed.

C.C. Collection: The pumping stations were visited on a daily basis. We had no problems to report on the Chester Creek System.

R.C. Collection: Stations were visited on a daily basis. We did have a problem at the Hershey Pump Station when the Muffin Monster tripped out causing the line to back-up. DEP was notified and a report was filed however, the amount of the carryover was very little.

We pulled the Muffin Monster to check it out and found that a Hydraulic line came loose which tripped out the unit. Prior to reinstalling the unit we jetted the line to remove any grease build up. The unit was reinstalled and placed back in service.

R.C. Plant: No Problems to report at the plant.

INI Repairs: We replaced 27 manhole casting and lids in Hershey Mill Estates.

Alarms: We responded to 34 alarms for October.

PA One Calls: We received 34 Pa One calls October.



Manhole Casting
and Lids replaced
Hershey Mill Estates







MEMORANDUM

TO: East Goshen Municipal Authority Board
Rick Smith, Township Manager

FROM: Michael Ellis, P.E.
Authority Engineer

DATE: November 9, 2016

SUBJECT: Engineer's Report

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- The NPDES Permit expires on February 28, 2017. The permit renewal application was finalized and submitted to PADEP on August 31, 2016. No changes to the existing permit are proposed.
- We evaluated alternatives for automated alkalinity chemical feed systems to eliminate manual feeding and carrying bags up the exterior steps. Alternatives include changing from the current soda ash treatment. A summary letter and discussion will be provided at the November MA meeting.
- We are coordinating with Dutchland about repair methodologies to address the concrete spalling and coating deficiencies in SBR #3.

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). We coordinated with both PADEP and ACOE on this additional review in July and are still awaiting feedback.
- The Chester County Conservation District (CCCD) notified us in early July that their comments on the NPDES Permit application had been addressed and that they had forwarded it onto PADEP for NPDES Permit issuance. CCCD subsequently issued additional E&S and NPDES comments on August 19, 2016 that we are in the process of addressing, including multiple discussions with CCCD about the comments.
- The Water Quality Management (WQM) Permit application was submitted to PADEP on April 13, 2016. They have informally notified us that they have no comments and are prepared to issue the WQM Permit once the aforementioned NPDES Permit is issued.

- We previously prepared the front end of the bid document and Division 01 specification sections, including a draft Bid Form. The Bid Form needs to be finalized. Technical specifications were already prepared as part of the WQM Permit application. The full bid document will be completed, assembled, and forwarded to the Township upon receipt of the three remaining permits.
- We will complete a listing of the permits, expiration dates, and renewal deadlines once the three remaining permits are issued. We anticipate including that listing in future Engineer's Reports to track the permit statuses.

RCSTP and Pump Stations' O&M Manual

- We are continuing to add information as provided by the Township as follow-up to our October 5th review meeting with Mark Miller.

White Chimneys and Cornwallis Drive Manhole Lining

- Work has been completed. It is our understanding that the contractor has submitted invoice(s).

White Chimneys Manhole Replacement

- No activity since the last report. We will provide assistance as requested by the Township during construction.

Semi-Annual I&I Reports

- No activity since the last report.

Sunoco Pipeline

- No activity since the last report. Sunoco previously agreed to add a condition to the approval letter they are requesting from East Goshen that they (Sunoco) will physically locate the Ashbridge PS force main at the proposed pipeline crossing location and that an East Goshen representative must be present when any work is done near the force main. We had also coordinated with them on a potential conflict with the proposed Reservoir Road PS force main, but there has not yet been a resolution to our knowledge.

New Connections

- We reviewed revised plans and calculations for the proposed grinder pump system at 3 & 5 School Lane, and we provided outstanding comments to the design consultant and Township.

DCED Small Water & Sewer Program Grant

- We coordinated scope and prepared a cost estimate for the installation of three permanent gravity sewer flow meters for the Township to include in their grant application.



RCSTP Monthly Operations Report: October 2016

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during September 2016. Discharge to Applebrook was discontinued during September as a result of a pump issue and remained out of service during October. 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.

Treatment Process Operation

During September 2016, there were no exceedances of the final effluent discharge limitations for outfall 001. Additional TSS samples were collected twice per week to allow for a means to calculate a weekly average. The total phosphorus monthly average had a concentration of <0.10 mg/L as compared to the permitted limitation of 0.50 mg/L. Table 1 illustrates the final effluent composite sample data reported for the September 2016 eDMR. During the month, the final effluent total phosphorus concentration discharged was consistently reported as less than 0.10 mg/L.

Table 1

September 2016 - Final Effluent - Out Fall 001											
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	10	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
September 2, 2016	0.185			4	6.2						
September 6, 2016	0.166	2.00	2.8	1	1.4	6.32	8.75	0.10	0.14	1	0.0000
September 8, 2016	0.164			2	2.7						
September 13, 2016	0.164	2.00	2.7	2	2.7	0.208	0.28	0.10	0.14	1	0.0000
September 15, 2016	0.169			2	2.8						
September 20, 2016	0.195	4.60	7.5	2	3.3	0.187	0.30	0.10	0.16	1	0.0000
September 22, 2016	0.248			2	4.1						
September 27, 2016	0.265	6.90	15.2	5	11.1	0.368	0.81	0.10	0.22	1	0.0000
September 29, 2016	0.291			2	4.9						
Average	0.205	3.88	7.1	2	4.3	1.77	2.54	0.10	0.16	1	0.0000
Minimum	0.164	2.00	2.7	1	1.4	0.19	0.28	0.10	0.14	1	0.0000
Maximum	0.291	6.90	15.2	5	11.1	6.32	8.75	0.10	0.22	1	0.0000



RCSTP Monthly Operations Report: October 2016

Discharge to Applebrook, Outfall 002, discontinued on September 21st. Table 2 illustrates the sample data reported for the September 2016 eDMR.

Table 2

September 2016 - 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
	Instantaneous Maximum	40		42							
Sample Date											
September 2, 2016	0.148			4.0	4.9						
September 6, 2016	0.142	2.0	2.4	1.0	1.2	6.320	7.46	0.10	0.12	1	0.0
September 8, 2016	0.140			2.0	2.3						
September 13, 2016	0.136	2.0	2.3	2.0	2.3	0.208	0.24	0.10	0.11	1	0.0
September 15, 2016	0.138			2.0	2.3						
September 20, 2016	0.147	4.6	5.6	2.0	2.5	0.187	0.23	0.10	0.12	1	0.0
September 22, 2016	0.000										
September 27, 2016	0.000										
September 29, 2016	0.000										
Average	0.093	2.9	3.4	2.2	2.6	2.24	2.64	0.10	0.12	1	0.0000
Minimum	0.0000	2.0	2.3	1.0	1.2	0.19	0.23	0.10	0.11	1	0.0000
Maximum	0.1482	4.6	5.6	4	4.9	6.32	7.46	0.10	0.12	1	0.0000

Table 3 illustrates the influent composite sample data reported for the September 2016.



RCSTP Monthly Operations Report: October 2016

Table 3

September 2016 - 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 6, 2016	0.328	423	1,157	294	804	56.2	154	70.2	192	8.6	24
September 13, 2016	0.301	254	695	266	728	35.4	97	71	178	11.2	31
September 20, 2016	0.350	128	350	204	558	41.8	114	53.1	155	4.5	12
September 27, 2016	0.323	149	408	218	596	63.7	174	61.8	166	5.5	15
Average	0.326	239	652	246	672	49.3	135	64.0	173	7.5	20
Minimum	0.301	128	350	204	558	35.4	97	53.1	155	4.5	12
Maximum	0.350	423	1157	294	804	63.7	174	71.0	192	11.2	31

Table 4 presents the available Outfall 001 final effluent data for the month of October 2016. During October, the presence of foam conditions on the surface of the SBRs remained consistent with the previous month with foam concentrations ranging from 10% to 30% of the area.

Table 4

October 2016 - 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	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
October 4, 2016	0.292	2.90	7.1	2	4.9	0.134	0.33	0.10	0.24	1	0.0000
October 6, 2016	0.262			5	10.9						
October 11, 2016	0.235	3.40	6.7	3	5.9	0.148	0.29	0.11	0.22	1	0.0000
October 13, 2016	0.298			3	7.5						
October 18, 2016	0.293	2.00	4.9	5	12.2	0.100	0.24	0.16	0.39	1	0.0000
October 20, 2016	0.295			4	9.8						
October 25, 2016	0.303	3.80	9.6	8	20.2	0.100	0.25	0.35	0.88	1	0.0000
October 27, 2016	0.318			6	15.9						
Average	0.287	3.03	7.1	5	10.9	0.12	0.28	0.18	0.43	1	0.0000
Minimum	0.235	2.00	4.9	2	4.9	0.10	0.24	0.10	0.22	1	0.0000
Maximum	0.318	3.80	9.6	8	20.2	0.15	0.33	0.35	0.88	1	0.0000



RCSTP Monthly Operations Report: October 2016

During October, there are no exceedances of the permitted limitations for Outfall 001. 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.

The 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 5 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during October 2016.

Table 4

October 2016 - 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											
October 4, 2016	0.346	118	341	58	167	43.8	126	45.4	131	4.7	14
October 11, 2016	0.336	42.3	122	228	658	52.0	150	50.2	140	5.2	15
October 18, 2016	0.336	135	390	218	629	56.6	163	56.7	159	6.1	18
October 25, 2016	0.338	93.5	270	104	300	56.2	162	58.3	164	7.1	20
Average	0.339	97	281	152	439	52.2	151	52.7	149	5.8	17
Minimum	0.336	42	122	58	167	43.8	126	45.4	131	4.7	14
Maximum	0.346	135	390	228	658	56.6	163	58.3	164	7.1	20

Sequencing batch reactors (SBRs) numbered 1, 2 and 4 were in service during September and October. 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.



RCSTP Monthly Operations Report: October 2016

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs decreased to from 115 gpd to 69.7 gpd. Soda ash daily addition increased from 417 lbs./day to 435 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.

SBR No. 3 remains out of service as a treatment unit. The SBR is planned to return to service upon installation of the rebuilt pumps.

Solids Dewatering and Disposal: October 2016

Sludge Dewatering Summary	
Gallons of sludge dewatered	315,629
Number of dumpsters	4

**Seventeen (17) days of centrifuge operation*

Flow data:

October 2016			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	10.979	354,153	420,460
Influent Wastewater to SBRs	13.097	422,474	481,088
Internal Recycle	2.119	68,347	160,518
Treated Effluent to Disc Filters	12.639	407,723	463,808
Final Effluent Discharge	8.993	290,097	336,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

Chemical Usage:

October 2016		
Chemical	Daily Average	Total Monthly
Soda Ash	435	12,500
Aluminum Sulfate solution	69.7	2,160
Polymer (centrifuge)	0.84	14.00

**Seventeen (17) days of centrifuge operation*



RCSTP Monthly Operations Report: October 2016

During October, 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 9.35 feet and the level at the end of the month was 12.53 feet. Zero (0) gallons of supernatant were decanted during the month. Zero (0) pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 11.45 feet and the level at the end of the month was 6.95 feet. Zero (0) gallons of supernatant were decanted during the month. Zero (0) pounds of soda ash were added.

PA DEP

No activity

Significant Storm/Hydraulic Loading Events

During October, there was one (1) storm event resulting in a daily precipitation amount equal to or greater than 0.5 inches measured during a 24 hour period. A total of 1.56 inches of rainfall were measured during the month. This event occurred on:

- October 17th : 0.63 inches

Plant operations were adjusted to manage the precipitation to prevent exceedances of the permitted discharge limitations for Outfall 001.

Minor Repairs and Preventative Maintenance

- October 2, 2016: Adjusted SBR settings minimum aeration from 120 to 175 minutes per cycle and maximum aeration from 180 to 210 minutes per cycle
- October 3, 2016: Adjusted SBR settings minimum react time from 60 to 90 minutes per cycle and settle time from 30 to 60 minutes per cycle.



RCSTP Monthly Operations Report: October 2016
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- October 6, 2016: Increased aluminum sulfate solution feed to SBRs from 12 to 13 minutes per cycle.
- October 13, 2016: Chemical delivery arrived.
- October 14, 2016: Removed rags and wire from sludge holding tank number 1 sludge decanter.
- October 15, 2016: Decreased aluminum sulfate solution feed to SBRs from 11 to 10 minutes per cycle.
- October 22, 2016: Emergency generators became operational around 7:45 AM. Township crews visited the facility and identified the issue as within PECO's distribution system.
- October 23, 2016: SBRs no. 1 and 3 sludge pumps tripped on alarm. Reset circuit breakers.
- October 24, 2016: SBR Alum feed pump tripped on overcurrent alarm. Rest pumps.
- October 25, 2016: SBR Alum feed pump continued to remain tripped on overcurrent alarm. Scheduled technician to assist with troubleshooting.
- October 26 through 31st: SBR Alum feed pumps are off line (Pumps were returned to service during November).

Draft
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
October 10, 2016

The East Goshen Township Municipal Authority held their regular public meeting on Monday, October 10, 2016 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Ed McAssey, Jack Yahraes, Kevin Cummings and Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), Mike Ellis (Pennoni), Patrick McKenna, 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

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

Sewer Reports

1. Director of Public Works, Mark Miller provided the following report for September:

Monthly Flows: The average daily flow to West Goshen was 669,000 gallons per day.

Meters: The meters were read on a daily basis. The portable meters were read as well, batteries were changed. No problems to report.

C.C. Collection: The pumping stations were visited on a daily basis. Wet wells were cleaned. We replaced the level transducer at Hershey Mill and Ashbridge stations. We received odor complaints from a resident on King George Court. We replaced the casting and lid with a gasket bolt down lid and casting.

On September 28th, we received a call from a resident that resides at 1384A Boot Road.

The resident stated that the manhole cover was off and rocks were in the bottom of the manhole. Upon our arrival we found the manhole full of cinder blocks, large boulders, sticks and logs, which were all removed. We replaced the manhole casting and lid with a bolt down casting and lid.

Pipe Data View was brought in to make 10 point repairs in Supplee Valley. The development is all A.C. pipe. I would recommend that next year we do slip lining and manhole lining as well.

Ashbridge Pump Station: On Monday October 3rd we found that the Ashbridge Pump Station was knocked off line when a tree limb came down causing a power surge, which knocked out all the low voltage controls. It also took out the phone system, so we were

1 never notified of a problem until our guys checked the station Monday morning. John
2 Laidley was notified and he replaced several of the circuit boards and the brain on the
3 control panel was installed with a new phone service. He got the station up and running
4 later that day.

5 R.C. Collection – The addition at the Hunt Country Pumping Station is currently under
6 roof. Lenni Electric is wiring up the new generator. The project should be finished in the
7 next 3 weeks. With the exception of the wiring, all of the work was completed by the
8 Public Works Department.

9 R.C. Plant: The pumps were removed from SBR3. I spoke with Charlie Deckman
10 regarding the impellers. Charlie stated that he has been installing hardened impellers on
11 all of the pumps. This is due to the wearing issue.

12 The pump for Applebrook quit working. We will get it pulled and sent down to
13 Deckmans.

14 Lochwood Plant: No problems to report.

15 Lateral Caps: None

16 Alarms: We responded to 17 alarms for September. Alarms were due to power outages
17 and the backup float system in use.

18 PA One Calls: We received 86 PA One calls for September.

19 Manhole lining has been completed.

20 21 **2. Pennoni Engineer's Report for September**

22 Mike Ellis provided the following report.

23 Invoices: Invoices with summaries are provided under separate cover.

24 Ridley Creek Sewage Treatment Plant (RCSTP):

25 The NPDES Permit expires on February 28, 2017. The permit renewal application was
26 finalized and submitted to PADEP on August 31, 2016. No changes to the existing
27 permit are proposed.

28 We evaluated alternatives for transporting soda ash to the top of the SBR tanks to
29 eliminate the need to manually carry bags up the exterior steps. Alternatives include: (1)
30 acquiring a high lift/reach forklift; (2) a mechanized hoist/crane on top of the SBR tank
31 walkway in the southeast corner; (3) an internal or external conveyor system. Each
32 alternative includes replacement of the soda ash storage shed at the northeast corner of
33 the SBR tanks with a larger shed. The alternatives will be verbally discussed at the
34 October meeting.

35 Discussion at meeting: Approximately 135 lbs. of soda ash per day are dumped in the
36 SBRs. Pallets with the soda ash are stored in the shed. Mark feels the shed should be
37 enlarged with a garage door for better access. Dana suggested contacting other plants to
38 see what they use.

39 We performed an inspection of the drained SBR Tank #3 and observed concrete spalling
40 and coating deficiencies. We will contact Dutchland about repairs.

41 Reservoir Rd Pump Station:

42 PADEP issued the State Water Obstruction and Encroachment Permit for the pump
43 station site and Chester Creek utility crossing in June 2016; however, they are requiring a
44 separate federal authorization by the Army Corps of Engineers (ACOE). We coordinated
45 with both PADEP and ACOE on this additional review in July and are still awaiting
46 feedback.

1 The Chester Co. Conservation District (CCCD) notified us in early July that their
2 comments on the NPDES Permit application had been addressed and that they had
3 forwarded it onto PADEP for NPDES Permit issuance. CCCD subsequently issued
4 additional E&S and NPDES comments on August 19, 2016 that we are in the process of
5 addressing.

6 The Water Quality Management (WQM) Permit application was submitted to PADEP on
7 April 13, 2016. They have informally notified us that they have no comments and are
8 prepared to issue the WQM Permit once the aforementioned NPDES Permit is issued.
9 We previously prepared the front end of the bid document and Division 01 specification
10 sections, including a draft Bid Form. The Bid Form still needs to be finalized. Technical
11 specifications were already prepared as part of the WQM Permit application. The full bid
12 document will be completed, assembled, and forwarded to the Township upon receipt of
13 the three remaining permits.

14 We will complete a listing of the permits, expiration dates, and renewal deadlines once
15 the three remaining permits are issued. We anticipate including that listing in future
16 Engineer's Reports to track the permit statuses.

17 RCSTP and Pump Stations' O&M Plan

18 We met with the PW Director to review the current status and determine additional info
19 to be added to the manual. To address comments, we are modifying the format of the
20 manual, preparing a separate shorter manual for the PW staff that addresses only the
21 pump stations and collection system, and continuing to add information as provided by
22 the Township. We anticipate a follow-up review meeting with the PW Director in
23 November.

24 White Chimneys & Cornwallis Drive Manhole Lining

25 Construction was completed on September 15, 2016. We performed part-time field
26 inspections of the work and measured final quantities.

27 White Chimneys Manhole Replacement

28 No activity since the last report. We will provide assistance as requested by the
29 Township during construction.

30 Semi-Annual I&I Reports

31 We met with the PW Director to review the past six months' I&I analyses, results and
32 formulate the plan for metering and investigations for the next six months. We finalized
33 the semi-annual I&I report thereafter and will submit it prior to the October MA meeting.

34 Sunoco Pipeline

35 No activity since last report. Sunoco previously agreed to add a condition to the approval
36 letter they are requesting from East Goshen that they (Sunoco) will physically locate the
37 Ashbridge PS force main at the proposed pipeline crossing location and that an East
38 Goshen representative must be present when any work is done near the force main. We
39 have also coordinated with them on a potential conflict with the proposed Reservoir Road
40 PS force main, but there has not yet been a resolution to our knowledge.

41 New Connections

42 We received revised plans and calculations for the proposed grinder pump system at 3 &
43 5 School Lane that is currently under review.

44 Grant Opportunity

45 We understand the township is preparing applications for the PA DCED Small Water and
46 Sewer Grant Program for: (1) installation of bypass pump connections at the Ashbridge,

1 Hershey's Mill, and Barkway Pump stations; and (2) installation of three permanent flow meters
2 in the Ridley Creek Collection System. Applications are due October 31, 2016. We are
3 available to provide assistance with the applications if needed.
4

5 Mike reviewed the Semi-Annual Sewer System Status Report #15 for January to June 2016. He
6 reviewed the map to show where meters will be installed. Appendix A is a summary of work
7 that has been done.
8

9 **3. Big Fish Environmental Services** – Scott's report for September showed that the Ridley
10 Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit
11 during August 2016 for outfalls 001 and 002. Chemical usage utilized for total phosphorus
12 removal, pH and total alkalinity remained consistent with previous months. No mechanical
13 deficiencies were experienced during the month. Centrifuge sludge dewatering equipment was
14 fully functional during the month.

15 Note: Kevin asked that the total on page 3 for phosphorus be checked.
16

17 **Approval of Minutes**

18 The minutes of the September 12, 2016 were approved as amended.
19

20 **Approval of Invoices**

21 1. Kevin moved to approve payment of the following Pennoni invoices:

- | | | | |
|----|----|-----------------|------------|
| 22 | a. | Pennoni #712443 | \$ 115.00 |
| 23 | b. | Pennoni #712444 | \$1,067.00 |
| 24 | c. | Pennoni #712445 | \$1,320.00 |
| 25 | d. | Pennoni #712446 | \$1,773.75 |
| 26 | e. | Pennoni #712447 | \$2,313.25 |

27 Phil seconded the motion. The motion passed unanimously.

28 2. Jack moved to approve payment of the Gawthrop Invoice #151881 in the amount of \$600.00.

29 Phil seconded the motion. The motion passed unanimously.
30

31 **Liaison Report**

32 Conservancy Board – Walter reported that Scott Sanders has tagged the trees in Clymers Woods
33 that need to be removed. He has volunteered to assist PW with the pruning. The Board will
34 have a fall planting in November.
35

36 **Financial Reports**

37 Jon Altshul provided the following written report:

38 In September, the Municipal Authority recorded \$2,255.00 in revenues (including one tap in fee)
39 and \$13,038 in expenses, of which \$7,377 was the quarterly administrative charge-back and
40 \$4,970 was for engineering, for a negative variance of \$10,735. As of September 30th, the fund
41 balance was \$1,409,026, of which \$1,374,564 is in the main construction account (most of which
42 represents the 2013 note).
43

44 **Goals**

45 Goals for 2016 were reviewed.
46

1 **New Business**

2 Phil moved to authorize Rick Smith and staff to apply for a PA Small Water and Sewer Project
3 Grant for permanent meters. Kevin seconded the motion. The motion passed unanimously.
4

5 **Any Other Matter**

6
7 **Adjournment**

8 There being no further business, the meeting was adjourned at 8:15 pm. The next meeting will
9 be held on Monday, November 12, 2016 at 7:00 pm.

10
11 Respectfully submitted,
12
13
14

15 Ruth Kiefer
16 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 # : 717433
Invoice Date : 10/27/2016
Project : EGMA1504
Project Name : Reservoir Rd PS Design &
Permitting

For Services Rendered through: 10/16/2016

Revised plans and NPDES permit application documents to address comments in PADEP's and CCCD's 8/19/2016 comment letter; prepared comment response letter; and phone calls with CCCD to resolve comments.

Phase : 12 -- Permitting

Total Phase : 12 -- Permitting

Labor :	2,546.50
Expense :	0.00
Phase Total :	2,546.50

Amount Due This Invoice

\$2,546.50

Phase : 12 -- Permitting

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	7.00	115.00	805.00
Engineering Technician II	10.00	77.00	770.00
Engineering Technician I	14.50	67.00	971.50
Labor Total:	31.50		2,546.50

Total Phase : 12 -- Permitting

Labor :	\$2,546.50
Expense :	\$0.00

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

Labor :	\$2,546.50
Expense :	\$0.00

OK RS 11-9-16

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 10/27/2016

Project: EGMA1504
Pennoni Job No.: Reservoir Rd PS Design & Permitting
Invoice No: 717433
Invoice Period: 9/19/2016 to 10/16/2016
Initial Authorization: \$ 167,120.00 **Date:** 10/27/2016
Contract Amount: \$ 178,120.00
Previously Invoiced: \$ 174,799.25
Current Invoice: \$ 2,546.50
Invoiced to Date (\$): \$ 177,345.75
Invoiced to Date (%): 99.57%
Remaining Budget (\$): \$ 774.25
Remaining Budget (%): 0.43%

Budget by Phase:

Phase Name:	Permitting	Phase 12
Phase Budget:	\$ 36,949.25	
Previously Invoiced:	\$ 33,629.50	
Current Invoice:	\$ 2,546.50	
Invoiced to Date (\$):	\$ 36,176.00	
Invoiced to Date (%):	97.91%	
Remaining Budget (\$):	\$ 773.25	
Remaining Budget (%):	2.09%	

Comments: Revised plans and NPDES permit application documents to address comments in PADEP's and CCCD's 8/19/2016 comment letter; prepared comment response letter; and phone calls with CCCD to resolve comments.

Reservoir Road Pump Station Design & Permitting

INVOICE SUMMARY

For Services Rendered through: 10/16/2016

Task No.	Activity	Contract Amount*	Invoiced Effort thru 8/14/2016	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	\$64,160.25	\$64,160.25	\$0.00	0%	No**
12	Permitting	\$36,950.25	\$36,176.25	\$774.00	2%	No***
	TOTAL	\$178,120.00	\$177,346.00	\$774.00	0.4%	

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

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

*** Remaining budget has been utilized since the time of this invoice to continue with NPDES permit revisions. NPDES permitting effort was believed to be complete, but the County Conservation District issued another comment letter in July, and we are addressing those comments. The other outstanding permits are the PADEP Water Quality Management (WQM) Permit, Army Corps of Engineers federal authorization on the Chester Creek Small Projects Joint Permit, and Chester County Conservation District E&S approval.



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 # : 717434
Invoice Date : 10/27/2016
Project : EGMA1505
Project Name : RCSTP and Pump Station O&M Manual

For Services Rendered through: 10/16/2016

Attended Draft O&M Manual review meeting with PW Director and prepared updates to include additional information and address comments such as creation of separate, condensed Manual for PWD staff.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	1,009.00
Expense :	0.00
Phase Total :	1,009.00

Amount Due This Invoice

\$1,009.00

Fee :	12,500.00
Prior Billings :	6,114.00
Current Billings :	1,009.00
Total Billings :	7,123.00

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	3.25	115.00	373.75
Project Engineer	2.75	97.00	266.75
Engineering Technician I	5.50	67.00	368.50
Labor Total:	11.50		1,009.00

Total Phase : **** -- Professional Services

Labor :	\$1,009.00
Expense :	\$0.00

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

Labor :	\$1,009.00
Expense :	\$0.00

OLC T S 11-9-16

East Goshen Municipal Authority
EGMA1505 Invoice Summary
Invoice Date 10/27/2016

Project: EGMA1505
Pennoni Job No.: RCSTP & Pump Station O&M Manual
Invoice No: **717434**
Invoice Period: 9/19/2016 to 10/16/2016
Initial Authorization: \$ 12,500.00 **Date:** 10/27/2016
Contract Amount: \$ 12,500.00
Previously Invoiced: \$ 6,114.00
Current Invoice: \$ 1,009.00
Invoiced to Date (\$): \$ 7,123.00
Invoiced to Date (%): 57%
Remaining Budget (\$): \$ 5,377.00
Remaining Budget (%): 43%

Budget by Phase:

Phase Name: RCSTP & Pump Station O&M Manual
Phase Budget: \$ 12,500.00
Previously Invoiced: \$ 6,114.00
Current Invoice: \$ 1,009.00
Invoiced to Date (\$): \$ 7,123.00
Invoiced to Date (%): 57%
Remaining Budget (\$): \$ 5,377.00
Remaining Budget (%): 43%

Comments: Attended Draft O&M Manual review meeting with PW Director and prepared updates to include additional information and address comments such as creation of separate, condensed Manual for PWD staff.



INVOICE

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Philadelphia, PA 19182-7328

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

Invoice # : 717435
Invoice Date : 10/27/2016
Project : EGMA1601
Project Name : 2016 General Services

For Services Rendered through: 10/16/2016

Field visit to the former Lockwood Chase STP site for NPDES permit closeout inspection; inspected drained SBR #3; evaluated conceptual alternatives for moving soda ash at RCSTP including forklift, crane/hoist, conveyor, and other chemical feeds; obtained vendor scope and pricing for telehandler forklifts; prepared October Engineer's Report; reviewed agenda packet and attended October MA meeting; and initiated feasibility analysis of automated chemical feed alternatives for pH control to replace existing manual soda ash feed in follow-up to MA meeting.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,516.25
Expense : 0.00
Phase Total : 1,516.25

Amount Due This Invoice

\$1,516.25

Fee : 12,300.00
Prior Billings : 9,383.25
Current Billings : 1,516.25
Total Billings : 10,899.50

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	10.75	115.00	1,236.25
Senior Engineer	1.00	110.00	110.00
Senior Engineering Technician	2.00	85.00	170.00
Labor Total:	13.75		1,516.25

Total Phase : **** -- Professional Services

Labor : \$1,516.25
Expense : \$0.00

Total Project : EGMA1601 -- 2016 General Services

Labor : \$1,516.25
Expense : \$0.00

OK RS 11-9-16

East Goshen Municipal Authority
EGMA1601 Invoice Summary
Invoice Date 10/27/2016

Project: EGMA1601
Pennoni Job No.: 2016 General Services
Invoice No: 717435
Invoice Period: 9/19/2016 to 10/16/2016
Initial Authorization: \$ 12,300.00 **Date:** 10/27/2016
Contract Amount: \$ 12,300.00
Previously Invoiced: \$ 9,383.25
Current Invoice: \$ 1,516.25
Invoiced to Date (\$): \$ 10,899.50
Invoiced to Date (%): 89%
Remaining Budget (\$): \$ 1,400.50
Remaining Budget (%): 11%

Budget by Phase:

Phase Name: 2016 General Services
Phase Budget: \$ 12,300.00
Previously Invoiced: \$ 9,383.25
Current Invoice: \$ 1,516.25
Invoiced to Date (\$): \$ 10,899.50
Invoiced to Date (%): 89%
Remaining Budget (\$): \$ 1,400.50
Remaining Budget (%): 11%

Comments: Field visit to the former Lockwood Chase STP site for NPDES permit closeout inspection; inspected drained SBR #3; evaluated conceptual alternatives for moving soda ash at RCSTP including forklift, crane/hoist, conveyor, and other chemical feeds; obtained vendor scope and pricing for telehandler forklifts; prepared October Engineer's Report; reviewed agenda packet and attended October MA meeting; and initiated feasibility analysis of automated chemical feed alternatives for pH control to replace existing manual soda ash feed in follow-up to MA meeting.



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 # : 717436
Invoice Date : 10/27/2016
Project : EGMA1602
Project Name : 2016 Semi-Annual I&I Reports

For Services Rendered through: 10/16/2016

Prepared for and attended meeting with PW Director to review semi-annual I&I report and determine proposed actions for next six months; and finalized and submitted Semi-Annual Sewer System Status Report #15 thereafter.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,874.25
Expense : 0.00
Phase Total : 1,874.25

Amount Due This Invoice

\$1,874.25

Fee : 11,200.00
Prior Billings : 5,865.50
Current Billings : 1,874.25
Total Billings : 7,739.75

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	5.25	115.00	603.75
Graduate Engineer	16.50	77.00	1,270.50
Labor Total:	21.75		1,874.25

Total Phase : **** -- Professional Services

Labor : \$1,874.25
Expense : \$0.00

Total Project : EGMA1602 -- 2016 Semi-Annual I&I Reports

Labor : \$1,874.25
Expense : \$0.00

OK 125 - 11-9-16

East Goshen Municipal Authority

EGMA1602 Invoice Summary

Invoice Date

10/27/2016

Project: EGMA1602
Pennoni Job No.: 2016 Semi-Annual I&I Reports
Invoice No: 717436
Invoice Period: 8/15/2016 to 9/16/2016
Initial Authorization: \$ 11,200.00 **Date:** 10/27/2016
Contract Amount: \$ 11,200.00
Previously Invoiced: \$ 5,865.50
Current Invoice: \$ 1,874.25
Invoiced to Date (\$): \$ 7,739.75
Invoiced to Date (%): 69%
Remaining Budget (\$): \$ 3,460.25
Remaining Budget (%): 31%

Budget by Phase:

Phase Name: 2016 Semi-Annual I&I Reports
Phase Budget: \$ 11,200.00
Previously Invoiced: \$ 5,865.50
Current Invoice: \$ 1,874.25
Invoiced to Date (\$): \$ 7,739.75
Invoiced to Date (%): 69%
Remaining Budget (\$): \$ 3,460.25
Remaining Budget (%): 31%

Comments: Prepared for and attended meeting with PW Director to review semi-annual I&I report and determine proposed actions for next six months; and finalized and submitted Semi-Annual Sewer System Status Report #15 thereafter.



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
10/10/2016
Client No: 6604-001R
Invoice No. 152899

General Authority Services

Fees

		Hours	
09/09/2016			
PMM	Review and analyze meeting packet.	0.40	
09/12/2016			
SLF	Preparation for and attendance at Municipal Authority Meeting.	2.00	
	For Current Services Rendered	2.40	480.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Stacey L. Fuller	2.00	\$200.00	\$400.00
Patrick M. McKenna	0.40	200.00	80.00

Total Current Charges 480.00

Balance Due \$480.00

OK PLS. 10/12/16

THIS INVOICE
HAS BEEN PAID

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 October Financial Reports
Date: November 4, 2016

In October, the Municipal Authority recorded \$52,295 in revenue (including a \$52,000 transfer from the sewer operating fund) and \$7,169 in expenses, including \$6,474 for engineering. As of September 30th, the fund balance was \$1,454,152, of which \$1,374,740 is in the main construction account (most of which represents the 2013 note).

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

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
October 2016

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
---------------	--------	---------------	----------------------	---------------------

MUNICIPAL AUTHORITY BEGINNING FUND BALANCE **1,409,025.86**

RCSTP BUDGET

REVENUE

INTEREST EARNED - RCSTP EXPANSION	07341 1020	1,500.00	293.88	1,833.71
GRANT REVENUE	07392 0800	0.00	0.00	0.00

TOTAL REVENUE		1,500.00	293.88	1,833.71
----------------------	--	-----------------	---------------	-----------------

EXPENSES

R.C.-CAP. PROJ.-ENGINEER	07424 7451	0.00	0.00	0.00
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452	0.00	0.00	0.00
R.C. CAP EXPANSION - ELECTRICAL	07424 7453	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455	0.00	0.00	0.00
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456	0.00	0.00	0.00
TRANSFER TO SEWER SINKING FUND	07492 0550	0.00	0.00	0.00
TRANSFER TO AUTHORITY CAP FUND	07492 0990	0.00	0.00	0.00

TOTAL EXPENSES		0.00	0.00	0.00
-----------------------	--	-------------	-------------	-------------

RCSTP NET RESULT		1,500.00	293.88	1,833.71
-------------------------	--	-----------------	---------------	-----------------

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
October 2016

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
OPERATING BUDGET				
REVENUE				
INTEREST EARNINGS	07341 1000	10.00	1.25	(30.89)
C.C. TAPPING FEES	07364 1100	4,000.00	0.00	6,000.00
R.C. TAPPING FEES	07364 1110	4,000.00	0.00	43,300.00
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	1,127.52
MISCELLANEOUS REVENUE	07380 1000	0.00	0.00	564.48
TRANSFER FROM SEWER OPERATING	07392 0500	93,832.00	52,000.00	77,000.00
TOTAL REVENUE		101,842.00	52,001.25	127,961.11
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	0.00	0.00	22,788.35
MISCELLANEOUS EXPENSE	07424 3000	3,000.00	100.00	1,741.62
MUNIC.AUTH.-AUDITING	07424 3110	9,500.00	0.00	8,900.00
ENGINEERING SERVICES	07424 3130	38,500.00	6,474.00	53,088.00
LEGAL SERVICES	07424 3140	9,000.00	480.00	7,452.79
M.C.-DVRFA-DEBT SERVICE	07471 1000	24,920.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMN	07472 1000	3,172.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMN	07472 1010	0.00	0.00	0.00
TOTAL EXPENSES		88,092.00	7,054.00	93,970.76
OPERATING NET RESULT		13,750.00	44,947.25	33,990.35

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
October 2016

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
CAPITAL BUDGET				
REVENUE				
LOAN PROCEEDS-SEWER PROJECT	07393 1001	0.00	0.00	0.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	0.00	0.00	0.00
TOTAL REVENUE		0.00	0.00	0.00
EXPENSES				
MARYDELL PUMP STATION - ENGINEER	07425 1000	0.00	0.00	0.00
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000	0.00	0.00	0.00
MANHOLE COVER REPLACEMENTS	07424.7405	0.00	0.00	0.00
C.C. CAPITAL - COLLECTION	07424.7420	0.00	0.00	0.00
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	0.00	0.00	0.00
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	0.00	0.00	0.00
LOCHWOOD ELIMINATION PHASE 2	07424 7477	0.00	0.00	0.00
HERSHEY MILL STATION - ENGINEER	07426 1000	0.00	0.00	0.00
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	0.00	0.00	0.00
RESERVE PUMP STATION - ENGINEER	07427 1000	0.00	0.00	0.00
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	0.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	0.00	115.00	42,948.25
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
ASBSTOS CONCRETE ENGINEERING	07429 3130	25,000.00	0.00	0.00
DIVERSION PROJ.- LEGAL	07429 3166	0.00	0.00	0.00
TOTAL EXPENSES		25,000.00	115.00	42,948.25
CAPITAL NET RESULT		(25,000.00)	(115.00)	(42,948.25)
MUNICIPAL AUTHORITY ENDING FUND BALANCE			1,454,151.99	

Report Date 11/03/16

GL Transaction Details

PAGE 1

MGRP18 run by BRIAN

10 : 56 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000			INTEREST EARNINGS			0.00				
	1601	JE	51240		0.43		02/01/16	INTEREST		INTEREST EARNED JANUARY 2016 07 FUND
	1601			0.00	0.43	-0.43				
	1602		51651		0.51		03/01/16	INTEREST		INTEREST EARNED FEBRUARY 2016 07 FUND
	1602			0.00	0.51	-0.94				
	1603		52095		0.51		04/04/16	INTEREST		INTEREST EARNED MARCH 2016 07 FUND
	1603			0.00	0.51	-1.45				
	1604		52568		0.62		05/03/16	INTEREST		INTEREST EARNED APRIL 2016 07 FUND
	1604			0.00	0.62	-2.07				
	1605		52983		0.18		06/03/16	INTEREST		INTEREST EARNED MAY 2016 07 FUND
	1605			0.00	0.18	-2.25				
	1606		53481		0.11		07/06/16	INTEREST		INTEREST EARNED JUNE 2016 07 FUND
			53487	36.00			07/06/16	BANK FEE		NSF FEE 7100.1000 JUNE 2016
	1606			36.00	0.11	33.64				
	1607		54001		0.61		08/04/16	INTEREST		INTEREST EARNED JULY 2016 07 FUND
	1607			0.00	0.61	33.03				
	1608		54496		0.50		09/07/16	INTEREST		INTEREST EARNED AUGUST 2016 07 FUND
	1608			0.00	0.50	32.53				

Report Date 11/03/16

GL Transaction Details

PAGE 2

MGRP18 run by BRIAN

10 : 56 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	1609	JE	54927		0.39		10/04/16	INTEREST		INTEREST EARNED SEPT. 2016 07 FUND
	1609			0.00	0.39	32.14				
	1610		55430		1.25		11/02/16	INTEREST		INTERST EARNED OCTOBER 2016 07 FUND
	1610			0.00	1.25	30.89				
07341-1000	****	***	*****	36.00	5.11	30.89				
07341-1020	INTEREST EARNED - CONSTRUCTION					0.00				
	1601		51240		110.59		02/01/16	INTEREST		INTEREST EARNED JANUARY 2016 07 FUND
	1601			0.00	110.59	-110.59				
	1602		51651		103.56		03/01/16	INTEREST		INTEREST EARNED FEBRUARY 2016 07 FUND
	1602			0.00	103.56	-214.15				
	1603		52095		109.26		04/04/16	INTEREST		INTEREST EARNED MARCH 2016 07 FUND
	1603			0.00	109.26	-323.41				
	1604		52568		105.33		05/03/16	INTEREST		INTEREST EARNED APRIL 2016 07 FUND
	1604			0.00	105.33	-428.74				
	1605		52983		108.59		06/03/16	INTEREST		INTEREST EARNED MAY 2016 07 FUND
	1605			0.00	108.59	-537.33				
	1606		53468	5.00			07/06/16	BANK FEE		BANK INACTIVITY FEE - 7109.3000
			53481		134.88		07/06/16	INTEREST		INTEREST EARNED JUNE 2016 07 FUND

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1606			5.00	134.88	-667.21				
1607		54001		294.21		08/04/16	INTEREST		INTEREST EARNED JULY 2016 07 FUND
1607			0.00	294.21	-961.42				
1608		54496		294.04		09/07/16	INTEREST		INTEREST EARNED AUGUST 2016 07 FUND
1608			0.00	294.04	-1,255.46				
1609		54927		284.37		10/04/16	INTEREST		INTEREST EARNED SEPT. 2016 07 FUND
1609			0.00	284.37	-1,539.83				
1610		55430		293.88		11/02/16	INTEREST		INTERST EARNED OCTOBER 2016 07 FUND
1610			0.00	293.88	-1,833.71				
07341-1020	****	*** *****	5.00	1,838.71	-1,833.71				
07364-1100	C.C. TAPPING FEES				0.00				
1606	RE	53151		2,000.00		06/15/16	53151 1		TAP IN FEE - 1329 N CHESTER RD
1606			0.00	2,000.00	-2,000.00				
1607		53688		2,000.00		07/15/16	53688 1		TAP IN FEE FOR 1631 HUNTER CIR
1607			0.00	2,000.00	-4,000.00				
1609		54713		2,000.00		09/22/16	54713 1		TAPPING FEE - 411 MISAK
1609			0.00	2,000.00	-6,000.00				
07364-1100	****	*** *****	0.00	6,000.00	-6,000.00				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07364-1110	R.C.TAPPING FEES				0.00				
	1601 CR	51204		5,004.00		01/28/16	1247	7875 1	SUNNY RIDGE FARMS LLC
	1601		0.00	5,004.00	-5,004.00				
	1602 RE	51557		7,148.00		02/23/16	51557 1		TAP IN FEE-957 CORNWALLIS DR
	1602		0.00	7,148.00	-12,152.00				
	1606	53228		24,000.00		06/20/16	53228 1		TAP IN FEE - 300 NEW KENT DR
		53400		7,148.00		06/30/16	53400 1		TAP IN FEE - 946 CORNWALLIS DR
	1606		0.00	31,148.00	-43,300.00				
07364-1110	**** *** *****		0.00	43,300.00	-43,300.00				
07364-1130	CONNECTION FEES - SEWER				0.00				
	1602 CR	51318		423.00		02/05/16	804	9354 1	GEORGE SMITH & CHRISTINA CONLE
		51322		423.00		02/05/16	344	9356 1	JACOBS, ROBERT & CHERYL
		51357		423.00		02/08/16	2435	9355 1	STOFFLET, MICHAEL
	JE	51319	141.12			02/05/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		51323	141.12			02/05/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		51358	141.12			02/08/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1602		423.36	1,269.00	-845.64				
	1607 CR	53616		423.00		07/13/16	126	9357 1	PAPPANO, JOSEPH & PATRICIA
	JE	53617	141.12			07/13/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1607		141.12	423.00	-1,127.52				
07364-1130	**** *** *****		564.48	1,692.00	-1,127.52				
07380-1000	MISCELLANEOUS REVENUE				0.00				
	1602	51319		141.12		02/05/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		51323		141.12		02/05/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		51358		141.12		02/08/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1602		0.00	423.36	-423.36				

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07380-1000	1607	JE	53617		141.12		07/13/16	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1607			0.00	141.12	-564.48				
07380-1000	****	***	*****	0.00	564.48	-564.48				
07392-0500	TRANSFER FROM SEWER OPERATING					0.00				
	1603		52022		25,000.00		03/28/16	DEPOSIT		DEPOSIT TO MUNICIPAL ACCT.
	1603			0.00	25,000.00	-25,000.00				
	1610		55092		52,000.00		10/12/16	DEPOSIT		DEPOSIT INTO 07100.1000 FROM SEWER 05100.1030
	1610			0.00	52,000.00	-77,000.00				
07392-0500	****	***	*****	0.00	77,000.00	-77,000.00				
07424-1400	ADMINISTRATIVE WAGES					0.00				
	1603	CD	51990	7,705.49			03/24/16	3013		425 EAST GOSHEN TOWNSHIP - GENERAL Q1 2016 REIMBURSEMENT FROM MUN.A
	1603			7,705.49	0.00	7,705.49				
	1606		53403	7,705.49			06/30/16	3021		425 EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR. 2016 REIMBURSE - GEN. F
	1606			7,705.49	0.00	15,410.98				
	1609		54892	7,377.37			09/30/16	3031		425 EAST GOSHEN TOWNSHIP - GENERAL 3RD QTR.2016 REIMBURSEMENT FROM M
	1609			7,377.37	0.00	22,788.35				
07424-1400	****	***	*****	22,788.35	0.00	22,788.35				
07424-3000	MISCELLANEOUS EXPENSE					0.00				
	1601		50894	978.00			01/04/16	3004		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2016 ACTIVE MEMBERSHIP DUES

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3000	1601	CD	51002	163.62			01/18/16	3005	2967	SAFEGUARD
										CHECK ORDER FEE
			51028	500.00			01/14/16	3006	2737	COMMONWEALTH OF PA
										NPDES PERMITS -CHAP.92A 2016
										PERMIT# PA0050504
1601				1,641.62	0.00	1,641.62				
1610	55390			100.00			10/31/16	3034	3353	COMMONWEALTH FINANCING AUTHORITY
										GRANT APPLICATION
1610				100.00	0.00	1,741.62				
07424-3000	****	***	*****	1,741.62	0.00	1,741.62				
07424-3110	MUNIC.AUTH.-AUDITING				0.00					
1604	52313			7,500.00			04/18/16	3015	808	MAILLIE FALCONIERO & CO.
										FINANCIAL STMT. EXAMINATION 2015
1604				7,500.00	0.00	7,500.00				
1607	53796			1,400.00			07/22/16	3026	808	MAILLIE FALCONIERO & CO.
										EXAMINATION OF 2015 FINANCIAL ST
1607				1,400.00	0.00	8,900.00				
07424-3110	****	***	*****	8,900.00	0.00	8,900.00				
07424-3130	ENGINEERING SERVICES				0.00					
1602	51394			5,905.25			02/10/16	3008	1052	PENNONI ASSOCIATES INC.
										SERVICES THRU 1/17/16 RCSTP & PU
										STATION O&M MANUAL
			51527	1,063.75			02/23/16	3010	1052	PENNONI ASSOCIATES INC.
										SERV.THURU 12/13/16 2015 GEN.SER
1602				6,969.00	0.00	6,969.00				
1603	51813			9,874.50			03/15/16	3012	1052	PENNONI ASSOCIATES INC.
										SERVICES THRU 2/14/16 RCSTP PS O
1603				9,874.50	0.00	16,843.50				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1604	CD	52227	6,491.75			04/12/16	3014	1052	PENNONI ASSOCIATES INC. SERV.THUR 3/20/16 WHITE CHIMNEY
1604				6,491.75	0.00	23,335.25				
1605		52696		4,342.25			05/10/16	3017	1052	PENNONI ASSOCIATES INC. SERVICE THRU 4/17/16 - RCSTP & P
1605				4,342.25	0.00	27,677.50				
1606		53185		10,003.25			06/17/16	3020	1052	PENNONI ASSOCIATES INC. SERVICE THRU 5/15/16 RCSTP & PUM STATION MANUAL
1606				10,003.25	0.00	37,680.75				
1607		53627		2,609.50			07/13/16	3024	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/19/16 RCSTP PERM
1607				2,609.50	0.00	40,290.25				
1608		54110		1,349.75			08/12/16	3028	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/17/16 RCSTP PERM
1608				1,349.75	0.00	41,640.00				
1609		54644		4,974.00			09/15/16	3030	1052	PENNONI ASSOCIATES INC. SERV.THUR 8/14/16 2016 GEN.SERV
1609				4,974.00	0.00	46,614.00				
1610		55131		6,474.00			10/14/16	3033	1052	PENNONI ASSOCIATES INC. SERVICES THRU 9/18/16 RCSTP PERM
1610				6,474.00	0.00	53,088.00				
07424-3130	****	***	*****	53,088.00	0.00	53,088.00				
07424-3140	LEGAL SERVICES					0.00				
1601		51149		400.00			12/17/15	3007	528	GANTHROP GREENWOOD & HALSTED LEGAL SERVICES 12/14/15 - GEN.AU

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1601			400.00	0.00	400.00				
1602		51503	480.00			02/19/16	3009	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 1/11-1/29/16 GEN.A
1602			480.00	0.00	880.00				
1603		51813	1,523.50			03/15/16	3011	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE FEB.2016 - GEN. AU
1603			1,523.50	0.00	2,403.50				
1604		52428	540.00			04/21/16	3016	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE MARCH 2016 GEN.AUT
1604			540.00	0.00	2,943.50				
1605		52806	1,080.00			05/20/16	3019	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 4/7-4/15/16 GEN.AU
1605			1,080.00	0.00	4,023.50				
1607		53492	1,080.00			07/06/16	3022	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE MAY 2016 GEN.AUTH
		53796	709.29			07/22/16	3025	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 56/9-6/15/16 GEN.A
1607			1,789.29	0.00	5,812.79				
1608		54110	560.00			08/12/16	3027	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE JULY 2016 GEN.AUTH
1608			560.00	0.00	6,372.79				
1609		54644	600.00			09/15/16	3029	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 8/1-8/8/16 GEN.AUT
1609			600.00	0.00	6,972.79				
1610		55131	480.00			10/14/16	3032	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 9/9-9/12/16 GEN.AUTH

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1610			480.00	0.00	7,452.79				
07424-3140	****	*** *****	7,452.79	0.00	7,452.79				
07428-1000	RESERVOIR PUMP STATION - ENGINEER				0.00				
1602		51395	2,565.50			02/10/16	103	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/17/16 RESERV.RD.P
		51528	16,747.75			02/23/16	104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 12/13/15 RESERV.RD
1602			19,313.25	0.00	19,313.25				
1603		51812	1,934.75			03/15/16	105	1052	PENNONI ASSOCIATES INC. SERV. THRU 2/14/16 RESERV.RD PS PENNDOT HOP
		52048	1,000.00			03/30/16	106	1496	WILLIAM WOOD CO. SEWER EASEMENT -1636 BOW TREE DR
1603			2,934.75	0.00	22,248.00				
1604		52173	500.00			04/07/16	107	3110	COMMONWEALTH OF PENNSYLVANIA WQM PERMIT APPLICATION
		52226	3,972.75			04/12/16	108	1052	PENNONI ASSOCIATES INC. SERV. THRU 3/20/16 PH.11 RESERV PS DESIGN
		52469	1,050.00			04/25/16	109	3671	PENNDOT PERMIT - HOP APPLICATION #100373
1604			5,522.75	0.00	27,770.75				
1605		52695	6,629.75			05/10/16	111	1052	PENNONI ASSOCIATES INC. SERV.THURU 4/17/16 RESERVOIR RD
1605			6,629.75	0.00	34,400.50				
1606		53326	3,032.25			06/27/16	101	1052	PENNONI ASSOCIATES INC. SERV. THRU 5/15/16 RESERV.ROAD P
		53330	690.00			06/27/16	102	3242	PUSEY, DONALD EASEMENT - RESERVOIR RD. PS
1606			3,722.25	0.00	38,122.75				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07428-1000	1607	CD	53631	4,024.75			07/13/16	1030	1052	PENNONI ASSOCIATES INC. SERV.THRU 6/19/16 RESERVOIR RD P
	1607			4,024.75	0.00	42,147.50				
	1608		54111	599.50			08/12/16	1040	1052	PENNONI ASSOCIATES INC. SERVICE THRU 7/17/16 RESERV.RD P
	1608			599.50	0.00	42,747.00				
	1609		54646	86.25			09/15/16	1060	1052	PENNONI ASSOCIATES INC. SERV.THRU 8/14/16 RESERVOIR RD P
	1609			86.25	0.00	42,833.25				
	1610		55132	115.00			10/14/16	2000	1052	PENNONI ASSOCIATES INC. SERVICES THRU 9/18/16 RESERV.RD
	1610			115.00	0.00	42,948.25				
07428-1000	****	***	*****	42,948.25	0.00	42,948.25				
Grand Total				137,524.49	130,400.30	7,124.19				



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100, P.O. Box 562 p. 610.696.8225
West Chester, PA 19381- 0562 www.gawthrop.com

Patrick M. McKenna
610.696.8225 x 155
610.344.0922 fax
pmckenna@gawthrop.com

October 20, 2016

Louis F. Smith, Jr., Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199



Re: 2017 Fees For Legal Services

Dear Rick:

Please be advised that for 2017, Gawthrop Greenwood has no plans to change the rates or the terms of engagement under which we currently service East Goshen Municipal Authority.

The firm is pleased to have the continuing opportunity to provide legal services to the Municipal Authority in 2017 at our current rate of \$200 per hour. I highly value our long-standing relationship with East Goshen Township and its officials and staff. I would expect that for purposes of budgeting you would be safe in assuming that our experience in 2017 will be similar to the amount of work we did in 2016.

Very truly yours,


Patrick M. McKenna

PMM/ams



November 9, 2016

Mr. Louis (Rick) Smith
Township Manager
East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199

RE: Ridley Creek Sewage Treatment Plant (RCSTP) Operation & Maintenance Services

Dear Rick,

Thank you, the Township and Municipal Authority for the opportunity to provide the daily operation of RCSTP and serve the community. It is a pleasure to report that the facility has operated continuously for over sixteen months without experiencing an exceedance of the permitted discharge limitations.

We look forward to the opportunity to continued operation of RCSTP and request your consideration to retain our services at no increase for 2017.

Sincerely,

Scott A. Towler, P.E., L.O., SEO