

EAST GOSHEN MUNICIPAL AUTHORITY

August 8, 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. July 11, 2016

5. APPROVAL OF INVOICES

a. Pennoni Invoice #702675	\$ 599.50
b. Pennoni Invoice #702676	\$ 990.00
c. Pennoni Invoice #702677	\$ 154.00
d. Pennoni Invoice #702678	\$ 100.00
e. Pennoni Invoice #702679	\$ 105.75
f. Gawthrop #149314	\$ 709.29 –has been paid
g. Maillie #1000057420	\$ 1,400.00

5. LIAISON REPORTS

6. FINANCIAL REPORTS

a.

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*

- 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*
- 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*

9. NEW BUSINESS

- a. Approval to purchase parts for the Filter Feed Control Panel.

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

August 3, 2016

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

Monthly Flows: The average daily flow to West Goshen was 722,000.

Meters: Meters were read on a daily basis. No problems to report.

C.C. Collection: The pumping stations were visited on a daily basis; routine maintenance was performed. We received several alarms during the month as a result of power outages due to weather. We responded to four sewer lateral clogs which we were able to clear. We replaced all the castings and lids on Brooke Drive and North Lochwood Lane as part of our re-paving program.

The manhole rehab is moving along. The manholes are in worst condition then we thought. The contractor will be pulling out for a week. Once he returns they will begin working on the ones that will require bypass pumping.

R.C. Collection: The pump station was visited on a daily basis; routine maintenance was performed. We had some minor problems with the floats which we ended up replacing. We responded to several alarms which were caused by the float problem.

R.C. Plant: We had several problems with the motor control center due to extreme heat conditions. The heat was causing the VFD's to trip out with high temperature. We purchased an air conditioner which has helped out.

Lochwood Plant: No problems to report

Alarms:

We responded to 18 alarms for July.

PA One Calls:

We received 58 Pa One calls July.

East Goshen Township Flows

June
2016

JUL 22 2016

Date	West Goshen Plant Flow mgd	West. Way Pump Station mgd	Ellis Lane Meter Pit mgd	Paoli Pike Meter Pit mgd	Wilson Drive Meter Pit mgd	West. Way Meter Pit mgd	Total East Goshen Flow mgd
1	4.173	1.007	0.092	0.068	0.063	0.986	0.763
2	4.446	1.283	0.087	0.068	0.055	0.973	0.763
3	4.453	1.264	0.107	0.076	0.056	1.017	0.778
4	4.503	1.264	0.099	0.067	0.035	0.960	0.759
5	4.571	1.487	0.113	0.069	0.040	0.914	0.692
6	4.438	1.299	0.100	0.067	0.063	1.058	0.828
7	4.448	1.380	0.089	0.068	0.064	0.971	0.750
8	4.438	1.326	0.087	0.063	0.061	0.967	0.756
9	4.324	1.289	0.087	0.064	0.063	0.976	0.762
10	4.346	1.212	0.084	0.062	0.056	0.952	0.750
11	4.172	1.232	0.090	0.067	0.033	0.897	0.707
12	4.048	1.239	0.091	0.067	0.039	0.889	0.692
13	4.097	1.278	0.084	0.060	0.055	0.924	0.725
14	4.117	1.250	0.079	0.059	0.060	0.926	0.728
15	4.236	1.248	0.079	0.061	0.055	0.919	0.724
16	4.221	1.403	0.088	0.065	0.070	0.949	0.726
17	4.299	1.013	0.079	0.061	0.058	0.943	0.745
18	4.031	1.209	0.085	0.065	0.043	0.872	0.679
19	3.875	1.233	0.079	0.066	0.044	0.841	0.652
20	4.101	1.221	0.083	0.061	0.057	0.899	0.698
21	4.048	1.080	0.081	0.060	0.034	0.905	0.700
22	4.101	1.235	0.079	0.059	0.062	0.902	0.702
23	4.076	1.221	0.085	0.061	0.062	0.895	0.687
24	4.297	1.206	0.080	0.060	0.059	0.943	0.744
25	3.932	1.054	0.077	0.069	0.042	0.872	0.684
26	3.733	1.065	0.075	0.060	0.037	0.834	0.662
27	3.948	1.304	0.081	0.060	0.062	0.898	0.695
28	3.861	1.170	0.083	0.058	0.072	0.913	0.700
29	4.245	1.229	0.079	0.058	0.073	0.917	0.707
30	3.785	1.170	0.075	0.057	0.056	0.892	0.704
31							
1							
Total	125.36	36.87	2.58	1.91	1.66	27.80	21.66
Avg.	4.179	1.229	0.086	0.064	0.055	0.927	0.722

NOTES:



MEMORANDUM

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

FROM: Michael Ellis, P.E.
Authority Engineer

DATE: August 3, 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 is due to PADEP by September 1, 2016. We have prepared the draft application, submitted Act 14 notifications to the County and Township and received responses, and are awaiting effluent fats, oil, and grease sampling results from the plant operator. Other effluent sampling results have been provided.
- We followed-up about the SBR pump impellor failures, SBR CIM coating bubbles, and disc filter cloth replacements.
 - Evoqua believes the pump impellor damage is due to erosion corrosion, possibly from a softer type of ductile iron. They recommended a harder impellor or another material, such as CD4MCu, which they state has great corrosion resistance. Evoqua and another pump vendor also suggested that it could also be partially, or completely, due to air entrainment damage.
 - We suggest consideration be given to spot removal and repairs of the bubbling areas in the CIM coating.
 - An email from the filter cloth vendor explaining the cloth history and life expectancy is attached.

Reservoir Road Pump Station

- PADEP previously issued the Chester Creek Small Projects Joint Permit for the pump station site and Chester Creek utility crossing; however, they are also requiring a separate federal authorization by the Army Corps of Engineers (ACOE). We have coordinated with both PADEP and ACOE on this additional review and are awaiting feedback.

- The Chester County Conservation District (CCCD) has completed their review of the NPDES Permit application and has forwarded it onto PADEP for NPDES Permit issuance. We are awaiting the permit.
- The Water Quality Management (WQM) Permit application was submitted to PADEP on April 13, 2016. PADEP has 120 calendar days (until August 11, 2016) to perform their review.
- We prepared the front end of the bid document and Division 01 specification sections, including a draft Bid Form. The Bid Form still 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 remaining two permits and completion of the Bid Form.
- We will complete a listing of the permits, expiration dates, and renewal deadlines once the two 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

- Limited activity since the last report.

White Chimneys and Cornwallis Drive Manhole Lining

- We are performing part-time field inspections of the construction. The manholes are generally more deteriorated than we had expected.
- As of the date of this report, Abel Recon has completed preparation work on 10 manholes and has lined 6 manholes, all of which are in White Chimneys. They will not be working August 4-9. Pump and haul from the Ashbridge Pump Station is scheduled to occur August 16-17 during which the first 2-3 manholes downstream of the force main discharge can be prepared and lined.

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

- We received portable and permanent meter data from the Township, and we have begun to analyze flows and prepare a formal semi-annual report. The report will be submitted in mid-August.

Sunoco Pipeline

- Sunoco submitted updated plans for their proposed Mariner East 2 Pipeline project regarding crossings of East Goshen's sanitary sewers to address our prior comments. We reviewed, provided limited remaining comments to the PW Director, and attempted to coordinate resolution of comments with Sunoco thereafter.

EGMA 1601

New Connections

- No activity since last report.

Sue Smith

From: William LaPorte <wlaporte@envirep.com>
Sent: Monday, June 27, 2016 3:12 PM
To: mmiller@eastgoshen.org
Cc: Scott_Towler@Comcast.net; Sherry Pike; Paul Klebs; TLC (TLCEnvironmental@aol.com)
Subject: East Goshen Township, Ridley Creek WWTP Cloth Proposal
Attachments: Ridley, PA - East Goshen Proposal 42238.pdf

Follow Up Flag: Follow up
Flag Status: Flagged

Mark,

In accordance with your request attached is a quotation for an entire set of filter cloths for the change out of one of the existing filters.

Please place your order directly with Aqua-Aerobic Systems to the attention of Ms. Sherry Pike, Customer Service Representative. Sherry's contact information is as follows:

Ms. Sherry Pike | Customer Service Representative
Aqua-Aerobic Systems | 6306 N. Alpine Rd. | Loves Park, IL 61111
Office: (815) 639-4589 | Fax: (815) 654-8623
Email: spike@aqua-aerobic.com

Should you have any questions please feel free to contact Sherry Pike of Aqua-Aerobic Systems directly. Please also feel free to contact me as well.

Sincerely,

Bill LaPorte
Envirep, Inc., Eastern Pennsylvania Sales Office
Main Office: 717-761-7884
Direct: 717-972-0852
Mobile: 717-433-7837
Email: wlaporte@envirep.com

Click the logo to visit our website:



Sue Smith

From: Tim Daily <TDaily@Pennoni.com>
Sent: Thursday, July 21, 2016 3:37 PM
To: Michael Ellis
Subject: FW: East Goshen Filter
Attachments: East Goshen Township, Ridley Creek WWTP Cloth Proposal (94.0 KB)

Mike,

Here is the Aqua Aerobic response to the question concerning the longevity of the filter cloths.

Tim

Tim Daily, PE

Pennoni

3001 Market Street, Suite 200 | Philadelphia, PA 19104

Direct: 215-254-7748

www.pennoni.com | TDaily@Pennoni.com

From: William LaPorte [<mailto:waporte@envirep.com>]
Sent: Thursday, July 21, 2016 3:33 PM
To: Tim Daily <TDaily@Pennoni.com>
Subject: East Goshen Filter

Tim,

This email summarizes our telephone conversation earlier this afternoon.

If the filters are seeing 30 TSS day in and day out, Aqua's history shows that the filter cloths are then typically replaced once every 5-7 years.

Should the filters see 15 TSS or less day in and day out, then the typical filter life tends to be in the range of 7-10 years.

How often one needs to replace filter cloths basically relates to how often the filters are backwashing.

It is my understanding that during the early operation of the existing East Goshen Ridley Creek WWTP, the system was not being operated correctly and that the cloth media filters were seeing much higher solids than what they were designed for. On 11/18/14, at the request of Scott Towler who was then on board to help get the WWTP operating correctly, East Goshen ordered a set of replacement cloths with the understanding that they would then need to order replacement cloths for the second filter sometime in the future. At the request of Scott Towler, on 6/27/16, Aqua-Aerobic Systems sent a quotation for replacement filter cloths to East Goshen for the second filter (see attached email).

Please feel free to contact me should you have any questions or wish to discuss in greater detail.

Sincerely,

Bill LaPorte
Envirep, Inc., Eastern Pennsylvania Sales Office
Main Office: 717-761-7884
Direct: 717-972-0852
Mobile: 717-433-7837
Email: wlaporte@envirep.com

Click the logo to visit our website:



From: Tim Daily [<mailto:TDaily@Pennoni.com>]
Sent: Wednesday, July 20, 2016 12:09 PM
To: William LaPorte
Subject: East Goshen Filter

Bill,

When you have a chance could you give me a call about the East Goshen Filter cloth replacement.

Question came up from the Authority as to the life expectancy they should be expecting from the filter cloths.

They have been in operating for a little over six years.

Tim

Tim Daily, PE

Pennoni

3001 Market Street, Suite 200 | Philadelphia, PA 19104

Direct: 215-254-7748

www.pennoni.com | TDaily@Pennoni.com



PARTNERS FOR WHAT'S POSSIBLE



Ridley Creek Sewage Treatment Plant

Monthly Operations Report: July 2016

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during June 2016. Discharge to Applebrook was initiated during June. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical deficiencies were experienced during the month. Centrifuge sludge dewatering equipment was fully functional during the month.

Treatment Process Operation

During June 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 concentration of 0.22 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 June 2016 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.16 mg/L to 0.28 mg/L.

Table 1

June 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											
June 2, 2016	0.278			3	7						
June 7, 2016	0.373	2.10	6.5	4	12	0.420	1.31		0.00	24	1.3802
June 9, 2016	0.307			3	8						
June 14, 2016	0.176	2.50	3.7	4	6	0.100	0.15		0.00	290	2.4624
June 16, 2016	0.195			5	8						
June 21, 2016	0.186	2.00	3.1	2	3	4.82	7.48	0.16	0.25	43	1.6335
June 22, 2016	0.196			2.5	4						
June 28, 2016	0.180	2.0	3.0	5	8	0.27	0.40	0.28	0.42	2	0.3010
Average	0.236	2.15	4.1	4	7	1.40	2.33	0.22	0.17	28	1.4443
Minimum	0.176	2.00	3.0	2	3	0.10	0.15	0.16	0.00	2	0.3010
Maximum	0.373	2.50	6.5	5	12	4.82	7.48	0.28	0.42	290	2.4624



Ridley Creek Sewage Treatment Plant

Monthly Operations Report: July 2016

Discharge to Applebrook, Outfall 002, was commenced during June 2016. Table 2 illustrates the Applebrook discharge 002 sample data reported for the June 2016.

Table 2
June 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											
June 2, 2016	0.000			3.0	0.0						
June 7, 2016	0.000	2.1	0.0	4.0	0.0	0.420	0.00	0.00	0.00	24	1.3802
June 9, 2016	0.000			3.0	0.0						
June 14, 2016	0.134	2.5	2.8	4.0	4.5	0.100	0.11	0.00	0.00	290	2.4624
June 16, 2016	0.123			5.0	5.1						
June 21, 2016	0.133	2.0	2.2	2.0	2.2	4.820	5.35	0.16	0.18	43	1.6335
June 22, 2016	0.124			2.5	2.6						
June 28, 2016	0.126	2.0	2.1	5.0	5.3	0.269	0.28	0.28	0.29	2	0.3010
Average	0.128	2.2	1.3	2.0	2.5	2.40	2.35	0.15	0.24	28	1.4443
Minimum	0.0000	2.0	0.0	2	0.0	0.10	0.11	0.16	0.18	2	0.3010
Maximum	0.1340	2.5	2.8	5	5.3	4.82	5.35	0.28	0.29	290	2.4624

The influent composite sample data was collected prior to the screening building exclusive of all internal recycle wastewater. Table 3 illustrates the influent composite sample data reported for the June 2016.



Ridley Creek Sewage Treatment Plant

Monthly Operations Report: July 2016

Table 3

June 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											
June 7, 2016	0.361	220	662	197	593	45.3	136	76.6	231	9.9	30
June 14, 2016	0.263	301	906	570	1,716	49.1	148	69.8	153	10.5	32
June 21, 2016	0.271	444	1,337	280	843	42.5	128	59.7	135	6.3	19
June 28, 2016	0.251	106	319	110	331	38.9	117	55.7	117	5.7	17
Average	0.287	268	806	289	871	44.0	132	65.5	159	8.1	24
Minimum	0.251	106	319	110	331	38.9	117	55.7	117	5.7	17
Maximum	0.361	444	1337	570	1716	49.1	148	76.6	231	10.5	32

Table 4 presents the available Outfall 001 final effluent data for the month of July 2016. During July, the presence of foam conditions on the surface of the SBRs remained consistent from the previous month with foam concentrations ranging from 15% to 30% of the surface area. This is attributed to increasing water temperatures limiting the conditions for growth of filamentous bacteria. Increasing the F:M ratio and decreasing MLSS concentrations is employed to assist in managing the increase in filamentous growth.

During July, there are no anticipated exceedances of the permitted limitations for Outfall 001 or Outfall 002. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.



Ridley Creek Sewage
Treatment Plant

Monthly Operations Report:
July 2016

Table 4

July 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											
July 5, 2016	0.192	2.00	3.2	5	8	0.156	0.25	0.22	5.88	1	0.0000
July 8, 2016	0.190			4	6						
July 12, 2016	0.188	2.00	3.1	3	5	0.830	1.30	0.33	0.52	1	0.0000
July 19, 2016	0.183	3.10	4.7	6	9	0.221	0.34	0.16	0.24	1	0.0000
July 21, 2016	0.189			2	3						
July 26, 2016	0.279										
July 28, 2016	0.206										
Average	0.204	2.37	3.7	4	6	0.40	0.63	0.24	2.21	1	0.0000
Minimum	0.183	2.00	3.1	2	3	0.16	0.25	0.16	0.24	1	0.0000
Maximum	0.279	3.10	4.7	6	9	0.83	1.30	0.33	5.88	1	0.0000

Table 5 presents the available Outfall 002 final effluent data for the month of June 2016. There are no anticipated exceedances of the permitted limitations for Outfall 001.



Ridley Creek Sewage Treatment Plant

Monthly Operations Report: July 2016

Table 5

July 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											
July 5, 2016	0.128	2.0	2.1	5.0	5.3	0.156	0.2	0.22	0.24	1	0.0000
July 8, 2016	0.126			4.0	4.2						
July 12, 2016	0.117	2.0	2.0	3.0	2.9	0.830	0.8	0.33	0.32	1	0.0000
July 19, 2016	0.119	3.1	3.1	6.0	6.0	0.221	0.2	0.16	0.16	1	0.0000
July 21, 2016	0.107			2.0	1.8						
July 26, 2016	0.000										
July 28, 2016	0.122										
Average	0.093	0.795	1.178	1.800	2.153	1.961	1.809	1.66	1.54	1	0.0000
Minimum	0.0000	0.8	1.2	2	1.8	0.16	0.167	0.16	0.16	1	0.0000
Maximum	0.1281	3.1	3.1	6	6.0	1.96	1.81	1.66	1.54	1	0.0000

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility varied during July. The influent flow volumes remained to be considerably lowered as compared to previous months. The internal recycle flow rates increased. These are related to the increased disc filter back wash cycle frequency and increase in sludge dewatering volumes.

Influent 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 6 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during July 2016.



Ridley Creek Sewage Treatment Plant

Monthly Operations Report: July 2016

Table 6

July 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											
July 5, 2016	0.252	207	435	508	1,066	50.4	106	54.6	115	10.8	23
July 12, 2016	0.236	127	267	267	560	32.0	67	53.4	105	5.4	11
July 19, 2016	0.265	119	250	54	113	40.5	85	47	104	5.7	12
July 26, 2016	0.234										
Average	0.247	151	317	276	580	41.0	86	51.7	108	7.3	15
Minimum	0.234	119	250	54	113	32.0	67	47.0	104	5.4	11
Maximum	0.265	207	435	508	1066	50.4	106	54.6	115	10.8	23

Sequencing batch reactors (SBRs) numbered 1, 2 and 3 were in service during June and July.

The SBR daily report can be accessed on line at: 192.168.80.44

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 decreased from 68.0 gpd to 65.8 gpd. Soda ash daily addition increased slightly from 438 lbs/day to 439 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.



Ridley Creek Sewage
Treatment Plant

Monthly Operations Report:
July 2016

Solids Dewatering and Disposal: July 2016

Sludge Dewatering Summary	
Gallons of sludge dewatered	295,131
Number of dumpsters	4

**Nineteen (19) days of centrifuge operation*

Flow data:

July 2016			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	7.696	248,262	399,710
Influent Wastewater to SBRs	15.607	503,436	2,454,464*
Internal Recycle	4.792	165,256	358,324
Treated Effluent to Disc Filters	12.285	396,296	461,120
Final Effluent Discharge	5.661	182,613	279,000
Applebrook Golf Course	3.552	114,565	133,520

**The influent flow reading is suspected to have an error.*

Chemical Usage:

July 2016		
Chemical	Daily Average	Total Monthly
Soda Ash	439	13,150
Aluminum Sulfate solution	65.8	2,039
Polymer (centrifuge)	0.84	16.0

**Nineteen (19) days of centrifuge operation*

During July, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing.

Sludge holding tank No. 1 was in service. The sludge initial level was 13.15 feet with 10.88 feet at the end of the month. The average total solids concentration was 1.19%. Zero gallons of supernatant were decanted during the month. Zero pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The sludge initial level was 12.16 feet with 13.67 feet at the end of the month. The average total solids concentration was



Ridley Creek Sewage
Treatment Plant

Monthly Operations Report:
July 2016

0.77%. Zero gallons of supernatant were decanted during the month. Seven hundred (700) pounds of soda ash were added.

PA DEP

No activity

Significant Storm/Hydraulic Loading Events

During July, there were six (6) 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 5.55 inches of rainfall were measured during the month. The events occurred on the following dates:

- July 4th 0.54 inches
- July 13th 0.78 inches
- July 16th 0.59 inches
- July 25th 0.92 inches
- July 28th 1.10 inches
- July 30th 0.55 inches

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

Minor Repairs and Preventative Maintenance

July 15th:

SBR 2 decanter was observed to be air bound. The SBR entered a Fill Decant cycle and entered into a "failed off" mode. Purged air from the decanter and performed a manual decant.

July 19th:

The influent fine screen auger was continuing to trip. Investigated amperage draw and observed it to be within range. Suspect the circuit breaker or VFD drive issue. Mark Miller arranged for Lenni Electric for a site visit (7/19) to investigate the Auger overload.

Observed a SBR #1 "sludge pump fail to run" alarm. Reset circuit breaker.



Ridley Creek Sewage
Treatment Plant

Monthly Operations Report:
July 2016

July 26th:

Applebrook/Utility water O-ring gasket, where strainer is located, "blew apart."
Mark Miller ordered parts.

July 29th:

Pumps rebuilt include influent lift station Pump #3, SBR #4 Motive Pump and SBR #4 Waste/Sludge Pump. The pumps have been returned from Deckman Electric.

Draft
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
July 11, 2016

The East Goshen Township Municipal Authority held their regular public meeting on Monday, July 11, 2016 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Jack Yahraes, Ed McAssey, Kevin Cummings and Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Mike Ellis (Pennoni), and Jessica Wiesak (Attorney).

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.

CHAIRMAN'S/MEMBERS REPORTS

1. Dana reported that he attended the West Goshen meeting. They had some resignations and a new member Sean Walsh. HGR is taking over for Glace. There was discussion about construction, equipment, audit results and budget. Dana feels a member of East Goshen MA should attend West Goshen's monthly meeting. It is the 1st Wednesday at 7:30 pm. Ed and Phil will attend that next meeting on August 3, 2016.

Sewer Reports

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

Monthly Flows: The average daily flow to West Goshen was 735,000 gallons per day.

Meters: The meters were read on a daily basis. The meters were calibrated by Allied Control. Some minor adjustments were made to the Wilson Drive meter. The portable meters are still being used. Data was downloaded on Monday

Chester Creek Pump: The pumping stations were visited on a routine basis. Franks Environmental was utilized to clean the wet wells as part of our routine maintenance. We had some electrical issues at the Hershey Mill Pumping Station when a relay switch went bad. We had a spare unit in stock and replaced the relay station and it returned to normal operation. We also had a problem with the transducer at the Barkway Pumping Station.

Hunt Country Pump: The new pumps and rail system was installed along with a new top and hatch. While MGK did the work, the Public Works Department handled the bypass pumping and the excavation of the new conduit lines. The work was performed in one

1 day which make it go off without a hitch. The next step is to begin work on the building
2 at which time we will install the new generator.

3 C.C. Collection: We had no problems for the month. We replaced a half dozen caps.

4 R.C. Collection – We televised several areas that we had thought had inflow. However,
5 both areas were in good shape. We also had several requests for sewer caps.

6 R.C. Plant: We pulled the pumps in SBR4. Both pumps were in very bad condition.
7 They Flygt 3153 pump will cost \$8,000 to be repaired. The cost to replace this pump
8 would be triple that. The sludge pump had to be replaced due to its poor condition. The
9 pumps are back from Deckmens and are ready for use. Scott advised that the cooling fan
10 on SBR blower #4 was not working. I ordered a new fan plus two spares. Lenni will
11 install the fans when they come in. Lift station pump 3 was pulled due to a seal failure.
12 The pump was taken to Deckmens to be checked out.

13 Lochwood Plant:

14 Alarms: We responded to 23 alarms for June.

15 PA One Calls: We received 117 PA One calls for June.

16 Abel Recon is supposed to be on site next week to begin the manhole lining.

17 Mike added comments about the RC Plant SBR4 pumps. He distributed photos of there
18 condition after only 5 years. They should have lasted 10 years. There was discussion about
19 changing the brand of pump. SBR2 was put on line while repairs are made to 4. It was
20 suggested that the warranty and manufacturers required maintenance be checked.

21 **2. Pennoni Engineer's Report**

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 is due
26 to PADEP by September 1, 2016. We have prepared the draft application, submitted Act
27 14 notifications to the County and Township and received responses and are awaiting
28 effluent fats, oil and grease sampling results from the plant operator. Other effluent
29 sampling results have been provided. We anticipate submitting the application to
30 PADEP by early July.

31 We performed an inspection of SBR#4 and observed severely deteriorated pump
32 components and other deficiencies.

33 Reservoir Rd Pump Station:

34 We coordinated with PADEP and received the Chester Creek Small Projects Joint Permit
35 for the pump station site and Chester Creek utility crossing.

36 We revised the NPDES Permit application and the plans to address additional minor
37 comments from the Chester Co. Conservation District and resubmitted revisions on June
38 13, 2016. CCCD has completed their review and has forwarded it onto PADEP for
39 NPDES permit issuance.

40 The Water Quality Management Permit application was submitted to PADEP on April
41 13, 2016. PADEP has 120 calendar days (Until August 11, 2016) to perform their
42 review. They could not find the submitted plans so we sent them another copy in June.
43 We prepared the front end of the bid document and Division 01 specification sections,
44 including a draft Bid Form. The Bid Form still needs to be finalized. Technical
45 specifications were already prepared as part of the WQM Permit application. The full bid
46

document will be completed, assembled, and forwarded to the Township upon receipt of the remaining 2 permits and completion of the Bid Form.

We can prepare a listing of the permits, expiration dates, and renewal deadlines once the 2 remaining permits are issued. We anticipate including that list in future Engineer's Reports to track the permit statuses.

RCSTP and Pump Stations' O&M Plan

Limited activity since the last report.

White Chimneys & Cornwallis Drive Manhole Lining

We performed re-construction coordination with Abel Recon and Township staff. The work is tentatively scheduled to begin on July 11 2016. We will perform part-time construction observation during the work.

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

Upon receipt of portable meter data from the Township we will analyze flows and prepare a formal semi-annual report with a targeted submission by the end of July.

Sunoco Pipeline

Sunoco submitted updated plans for their proposed Mariner East 2 Pipeline project regarding crossings of East Goshen's sanitary sewers to address our prior comments, in lieu of conducting a review meeting. We have reviewed the plans and most of our prior comments have been addressed. We anticipate providing limited remaining comments to the PW Director by July 12, 2016. Two locations of concern are Ashbridge force main crossing and Bow Tree Drive is very shallow.

Mike added that in SBR4 some of the coating on the tank had spots/bubbles on the sides, which are caused by vapor. He recommended using a moisture minimizer primer.

3. Big Fish Environmental Services – Scott's report showed that the Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during June 2016. Discharge to Applebrook was discontinued during May. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. Mechanical issues were experienced with SBR 2 effluent actuator valve and decanter. SBRs 1 & 3 did not experience any mechanical or operational issues. The centrifuge sludge dewatering equipment was fully functional during the month.

Approval of Minutes

Phil moved to accept the minutes of June 13, 2016 as corrected. Jack seconded the motion. The motion passed unanimously.

Approval of Invoices

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

a.	Pennoni #697877	\$ 4,024.75
b.	Pennoni #697878	\$ 1,951.25
c.	Pennoni #697880	\$ 143.75
d.	Pennoni #697881	\$ 130.25
e.	Pennoni #697882	\$ 384.25

- 1 Phil seconded the motion. The motion passed unanimously.
- 2 2. Phil moved to approve payment of Gawthrop Invoice #147921 in the amount of
- 3 \$1,080.00 which was previously paid. Ed seconded the motion. The motion passed
- 4 unanimously.
- 5 3. Mike commented that the Chester Creek budget is done but he has some items to finish.
- 6 Ed moved to supplement the budget for the Reservoir Road Pump Station engineering
- 7 by \$3,000.00. Kevin seconded the motion. The motion passed unanimously.
- 8

9 **Financial Reports**

10 Jon Altshul provided the following written report:

11 In June, the Municipal Authority recorded \$33,242 in revenues of which \$33,148 was from tap-

12 in fees (1329 N. Chester Rd; New Kent; and 946 Cornwallis) and \$21,431 in expenses (\$10,003

13 for general engineering services; \$3,722 for Reservoir Road Pump Station engineering; and

14 \$7,705 for the quarterly administrative chargeback) for a positive variance of \$11,811. As of

15 June 30, 2016 the fund balance was \$1,429,099, of which \$1,378,411 is in the main construction

16 account. Note also that I moved the construction account to a new bank in June, which will

17 generate more interest income moving forward.

18

19 **Goals**

20 Goals for 2016 were discussed. They need the dates for submission of articles for the

21 Newsletter.

22

23 **New Business**

- 24 1. Filter Sock Replacement will cost \$5,000. Phil moved to approved Mark Miller's
- 25 request for this purchase. Jack seconded the motion. The motion passed
- 26 unanimously.
- 27 2. Receipt of Water Obstruction Permit No. E15-877 was acknowledged. Jack pointed
- 28 out that in the letter this does not have Federal permit. Mike will follow up.
- 29

30 **Any Other Matter**

- 31 1. Tredyffrin MA – Jessica reported that they just own the lines. There is no pump
- 32 station. In the past 3 years there have been several breaks, most current in Trout Creek.
- 33 They are working under a 1970 agreement, tried to renegotiate, current law suit is in
- 34 abeyance. Aqua is interested in buying the lines.
- 35

36 **Adjournment**

37 There being no further business, Phil moved to adjourn the meeting. Kevin seconded the motion.

38 The motion passed unanimously. The meeting was adjourned at 8:00 pm. The next meeting will

39 be held on Monday, August 8, 2016 at 7:00 pm.

40

41 Respectfully submitted,

42 Ruth Kiefer

43 Recording Secretary

44



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 # : 702675
Invoice Date : 07/28/2016
Project : EGMA1504
Project Name : Reservoir Rd PS Design &
Permitting

For Services Rendered through: 7/17/2016

Continued preparation of Bid Form for bid document and associated spec section with bid item descriptions; prepared listing of permits received and expiration & renewal application dates; submitted additional hard copies of NPDES Permit application documents to CCCD per their request; and coordinated with PADEP and Army Corps of Engineers for federal authorization for Chester Creek Small Projects Joint Permit application.

Phase : 11 -- Final Design

Total Phase : 11 -- Final Design

Labor :	509.75
Expense :	0.00
Phase Total :	509.75

Phase : 12 -- Permitting

Total Phase : 12 -- Permitting

Labor :	89.75
Expense :	0.00
Phase Total :	89.75

Amount Due This Invoice

\$599.50

OK TRS 8-3-16

Continued on next page...

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

...Continued from previous page

Phase : 11 -- Final Design

Labor			
Class	Hours/ Units	Rate	Amount
Authority Engineer	0.75	115.00	86.25
Graduate Engineer	5.50	77.00	423.50
Labor Total:	6.25		509.75

Total Phase : 11 -- Final Design

Labor : \$509.75

Expense : \$0.00

Phase : 12 -- Permitting

Labor			
Class	Hours/ Units	Rate	Amount
Authority Engineer	0.25	115.00	28.75
Senior Enviromental Scientist	0.25	90.00	22.50
Graduate Engineer	0.50	77.00	38.50
Labor Total:	1.00		89.75

Total Phase : 12 -- Permitting

Labor : \$89.75

Expense : \$0.00

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

Labor : \$599.50

Expense : \$0.00

East Goshen Municipal Authority
EGMA1504 Invoice Summary
Invoice Date 7/27/2016

Project: EGMA1504
Pennoni Job No.: Reservoir Rd PS Design & Permitting
Invoice No: 702675
Invoice Period: 6/30/2016 to 7/17/2016
Initial Authorization: \$ 167,120.00 **Date:** 7/28/2016
Contract Amount: \$ 178,120.00
Previously Invoiced: \$ 173,998.50
Current Invoice: \$ 599.50
Invoiced to Date (\$): \$ 174,598.00
Invoiced to Date (%): 98.02%
Remaining Budget (\$): \$ 3,522.00
Remaining Budget (%): 1.98%

Budget by Phase:

Phase Name:	Final Design	Phase 11
Phase Budget:	\$ 65,650.00	
Previously Invoiced:	\$ 63,650.50	
Current Invoice:	\$ 509.75	
Invoiced to Date (\$):	\$ 64,160.25	
Invoiced to Date (%):	97.73%	
Remaining Budget (\$):	\$ 1,489.75	
Remaining Budget (%):	2.27%	

Comments: Continued preparation of Bid Form for bid document and associated spec section with bid item descriptions; prepared listing of permits received and expiration & renewal application dates; submitted additional hard copies of NPDES Permit application documents to CCCD per their request; and coordinated with PADEP and Army Corps of Engineers for federal authorization for Chester Creek Small Projects Joint Permit application.

East Goshen Municipal Authority
EGMA1504 Invoice Summary
Invoice Date 7/28/2016

Project: EGMA1504
Pennoni Job No.: Reservoir Rd PS Design & Permitting
Invoice No: **702675**
Invoice Period: 6/20/2016 to 7/17/2016
Initial Authorization: \$ 167,120.00 **Date:** 7/28/2016
Contract Amount: \$ 178,120.00
Previously Invoiced: \$ 173,998.50
Current Invoice: \$ 599.50
Invoiced to Date (\$): \$ 174,598.00
Invoiced to Date (%): 98.02%
Remaining Budget (\$): \$ 3,522.00
Remaining Budget (%): 1.98%

Budget by Phase:

Phase Name:	Permitting	Phase 12
Phase Budget:	\$ 35,460.00	
Previously Invoiced:	\$ 33,338.75	
Current Invoice:	\$ 89.75	
Invoiced to Date (\$):	\$ 33,428.50	
Invoiced to Date (%):	94.27%	
Remaining Budget (\$):	\$ 2,031.50	
Remaining Budget (%):	5.73%	

Comments: Continued preparation of Bid Form for bid document and associated spec section with bid item descriptions; prepared listing of permits received and expiration & renewal application dates; submitted additional hard copies of NPDES Permit application documents to CCCD per their request; and coordinated with PADEP and Army Corps of Engineers for federal authorization for Chester Creek Small Projects Joint Permit application.

Reservoir Road Pump Station Design & Permitting

INVOICE SUMMARY For Services Rendered through: 7/17/2016

Task No.	Activity	Contract Amount*	Invoiced Effort thru 7/17/2016	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	\$65,650.50	\$64,160.25	\$1,490.25	2%	No**
12	Permitting	\$35,460.00	\$33,428.50	\$2,031.50	6%	No***
TOTAL		\$178,120.00	\$174,598.25	\$3,521.75	2%	

*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 is an allowance to respond to any questions or comments that may arise on outstanding permits from regulatory agencies. NPDES permitting effort is believed to be complete, but the permit has not been issued yet. The other outstanding permits are the PADEP Water Quality Management (WQM) Permit and the Army Corps of Engineers federal authorization on the Chester Creek Small Projects Joint 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 # : 702676
Invoice Date : 07/28/2016
Project : EGMA1601
Project Name : 2016 General Services

For Services Rendered through: 7/17/2016

Reviewed Sunoco's revised plans of proposed pipeline-sanitary sewer crossings and provided outstanding comments to PW Director; prepared July Engineer's Report; prepared for and attended July MA meeting; and initiated evaluation of SBR pump problems, SBR #4 CIM coating deficiencies, and disc filter replacements.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 990.00
Expense : 0.00
Phase Total : 990.00

Amount Due This Invoice

Fee : 12,300.00
Prior Billings : 6,104.50
Current Billings : 990.00
Total Billings : 7,094.50

\$990.00

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	6.50	115.00	747.50
Project Engineer	2.50	97.00	242.50
Labor Total:	9.00		990.00

Total Phase : **** -- Professional Services

Labor : \$990.00
Expense : \$0.00

Total Project : EGMA1601 -- 2016 General Services

Labor : \$990.00
Expense : \$0.00

OK RS 8-3-16

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

East Goshen Municipal Authority
EGMA1601 Invoice Summary
Invoice Date 07/28/2016

Project: EGMA1601
Pennoni Job No.: 2016 General Services
Invoice No: **702676**
Invoice Period: 6/20/2016 to 7/17/2016
Initial Authorization: \$ 12,300.00 **Date:** 7/28/2016
Contract Amount: \$ 12,300.00
Previously Invoiced: \$ 6,104.50
Current Invoice: \$ 990.00
Invoiced to Date (\$): \$ 7,094.50
Invoiced to Date (%): 58%
Remaining Budget (\$): \$ 5,205.50
Remaining Budget (%): 42%

Budget by Phase:

Phase Name: 2016 General Services
Phase Budget: \$ 12,300.00
Previously Invoiced: \$ 6,104.50
Current Invoice: \$ 990.00
Invoiced to Date (\$): \$ 7,094.50
Invoiced to Date (%): 58%
Remaining Budget (\$): \$ 5,205.50
Remaining Budget (%): 42%

Comments: Reviewed Sunoco's revised plans of proposed pipeline-sanitary sewer crossings and provided outstanding comments to PW Director; prepared July Engineer's Report; prepared for and attended July MA meeting; and initiated evaluation of SBR pump problems, SBR #4 CIM coating deficiencies, and disc filter replacements.



INVOICE

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302-655-4451 Fax: 302-654-2895

Remit Payment To:
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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 # : 702677
Invoice Date : 07/28/2016
Project : EGMA1602
Project Name : 2016 Semi-Annual I&I Reports

For Services Rendered through: 7/17/2016

Continued preparation of semi-annual I&I Report.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 154.00
Expense : 0.00
Phase Total : 154.00

Amount Due This Invoice

\$154.00

Fee : 11,200.00
Prior Billings : 3,720.00
Current Billings : 154.00
Total Billings : 3,874.00

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Graduate Engineer	2.00	77.00	154.00
Labor Total:	2.00		154.00

Total Phase : **** -- Professional Services

Labor : \$154.00
Expense : \$0.00

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

Labor : \$154.00
Expense : \$0.00

OLC 125 8-3-16

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

East Goshen Municipal Authority
EGMA1602 Invoice Summary
Invoice Date
7/28/2016

Project: EGMA1602
Pennoni Job No.: 2016 Semi-Annual I&I Reports
Invoice No: **702677**
Invoice Period: 5/16/2016 to 7/17/2016
Initial Authorization: \$ 11,200.00 **Date:** 7/28/2016
Contract Amount: \$ 11,200.00
Previously Invoiced: \$ 3,720.00
Current Invoice: \$ 154.00
Invoiced to Date (\$): \$ 3,874.00
Invoiced to Date (%): 35%
Remaining Budget (\$): \$ 7,326.00
Remaining Budget (%): 65%

Budget by Phase:

Phase Name: 2016 Semi-Annual I&I Reports
Phase Budget: \$ 11,200.00
Previously Invoiced: \$ 3,720.00
Current Invoice: \$ 154.00
Invoiced to Date (\$): \$ 3,874.00
Invoiced to Date (%): 35%
Remaining Budget (\$): \$ 7,326.00
Remaining Budget (%): 65%

Comments: Continued preparation of semi-annual I&I Report.



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 # : 702678
Invoice Date : 07/28/2016
Project : EGMA1604
Project Name : White Chimneys MH Lining Bid Doc

For Services Rendered through: 7/17/2016

Coordination of schedule and delayed start dates with contractor and Township.

Phase : **** -- Design Phase

Total Phase : **** -- Design Phase

Labor :	100.00
Expense :	0.00
Phase Total :	100.00

\$100.00

Amount Due This Invoice

Fee :	12,400.00
Prior Billings :	6,477.25
Current Billings :	100.00
Total Billings :	6,577.25

Phase : **** -- Design Phase

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.50	115.00	57.50
Senior Engineering Technician	0.50	85.00	42.50
Labor Total:	1.00		100.00

Total Phase : **** -- Design Phase

Labor :	\$100.00
Expense :	\$0.00

Total Project : EGMA1604 -- White Chimneys MH Lining Bid Doc

Labor :	\$100.00
Expense :	\$0.00

ok 125 8-3-16

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

East Goshen Municipal Authority
EGMA1604 Invoice Summary
Invoice Date 07/28/2016

Project: EGMA1604
Pennoni Job No.: White Chimneys MH Lining Bid Doc
Invoice No: 702678
Invoice Period: 6/20/2016 to 7/17/2016
Initial Authorization: \$ 4,400.00 **Date:** 7/28/2016
Contract Amount: \$ 12,400.00
Previously Invoiced: \$ 6,477.25
Current Invoice: \$ 100.00
Invoiced to Date (\$): \$ 6,577.25
Invoiced to Date (%): 53%
Remaining Budget (\$): \$ 5,822.75
Remaining Budget (%): 47%

Budget by Phase:

Phase Name: White Chimneys MH Lining Bid Doc
Phase Budget: \$ 12,400.00
Previously Invoiced: \$ 6,477.25
Current Invoice: \$ 100.00
Invoiced to Date (\$): \$ 6,577.25
Invoiced to Date (%): 53%
Remaining Budget (\$): \$ 5,822.75
Remaining Budget (%): 47%

Comments: Coordination of schedule and delayed start dates with contractor and Township.



INVOICE

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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 #: 702679
Invoice Date: 07/28/2016
Project: EGMA1606
Project Name: Ridley Creek STP Permit Renewal

For Services Rendered through: 7/17/2016

Continued preparation of NPDES permit renewal application.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 105.75
Expense : 0.00
Phase Total : 105.75

Amount Due This Invoice

\$105.75

Fee : 4,500.00
Prior Billings : 1,871.25
Current Billings : 105.75
Total Billings : 1,977.00

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.25	115.00	28.75
Graduate Engineer	1.00	77.00	77.00
Labor Total:	1.25		105.75

Total Phase : **** -- Professional Services

Labor : \$105.75
Expense : \$0.00

Total Project : EGMA1606 -- Ridley Creek STP Permit Renewal

Labor : \$105.75
Expense : \$0.00

OK IRS 8-3-16

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

East Goshen Municipal Authority
EGMA1606 Invoice Summary
Invoice Date 07/28/2016

Project: EGMA1606
Pennoni Job No.: Ridley Creek STP Permit Renewal
Invoice No: 702679
Invoice Period: 6/20/2016 to 7/17/2016
Initial Authorization: \$ 4,500.00 **Date:** 7/28/2016
Contract Amount: \$ 8,000.00
Previously Invoiced: \$ 1,871.25
Current Invoice: \$ 105.75
Invoiced to Date (\$): \$ 1,977.00
Invoiced to Date (%): 25%
Remaining Budget (\$): \$ 6,023.00
Remaining Budget (%): 75%

Budget by Phase:

Phase Name: Ridley Creek STP Permit Renewal
Phase Budget: \$ 8,000.00
Previously Invoiced: \$ 1,871.25
Current Invoice: \$ 105.75
Invoiced to Date (\$): \$ 1,977.00
Invoiced to Date (%): 25%
Remaining Budget (\$): \$ 6,023.00
Remaining Budget (%): 75%

Comments: Continued preparation of NPDES permit renewal application.



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

OK RS 7-15-16

TO MA THIS INVOICE
HAS BEEN PAID

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
07/11/2016
Client No: 6604-001R
Invoice No. 149314

General Authority Services

Fees

		Hours	
06/09/2016			
PMM	Emails from/to R Smith and M Ellis regarding meeting at West Goshen Sewer Plant.	0.40	
06/10/2016			
PMM	Email to R Smith regarding tour of West Goshen plant.	0.20	
06/13/2016			
JKW	Review agenda; Attend meeting.	2.00	
06/14/2016			
AMS	File Easement Agreement with the Recorder of Deeds.	0.20	
06/15/2016			
PMM	Letter to Pusey regarding filed Easement Agreement.	0.30	
	For Current Services Rendered	3.10	595.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Jessica K. Wiesak	2.00	\$200.00	\$400.00
Patrick M. McKenna	0.90	200.00	180.00
Allison M. Samson	0.20	75.00	15.00

Expenses

Recorder of Deeds - easement agreement	98.00
Postage	4.29
Photocopies	12.00
Total Expenses Thru 06/30/2016	114.29
Previous Balance	\$1,080.00
Total Current Charges	709.29

East Goshen Municipal Authority

General Authority Services

Page: 2
07/11/2016
Client No: 6604-001R
Invoice No. 149314

07/08/2016	Payment	-1,080.00
	Balance Due	<u>\$709.29</u>

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.



PO Box 680
Oaks, PA 19456-0680
Phone: 610-935-1420

Web: www.maillie.com
E-mail: firm@maillie.com

East Goshen Municipal Authority
Attn: Mr. Rick Smith
1580 Paoli Pike
West Chester, PA 19380-6107

Client Number: 2500
Invoice: 1000057420
Date: 06/30/2016
Due Date: Upon Receipt

For examination of the financial statements of the Authority for the year ended December 31, 2015, and assistance with preparation of Management Discussion and Analysis report. \$8,900.00

Less Progress Billing (\$7,500.00)

Billed Time & Expenses	\$1,400.00
Invoice Total	\$1,400.00

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

TS 8-3-16

<u>06/30/2016</u>	<u>05/31/2016</u>	<u>04/30/2016</u>	<u>03/31/2016</u>	<u>02/29/2016+</u>	<u>Total</u>
1,400.00	0.00	0.00	0.00	0.00	\$1,400.00

Please return this portion with payment.

ID: 2500
East Goshen Municipal Authority
610-692-7171

Invoice: 1000057420

Date: 06/30/2016
Due Date: Upon Receipt

Amount Due: \$1,400.00

Amount Enclosed: \$ _____

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA July Financial Reports
Date: August 5, 2016

In July, the Municipal Authority recorded \$2,718 in revenues, including one tap-in fee, and \$9,824 in expenses, including Reservoir Road Pump Station Engineering expenses of \$4,025, for a negative variance of \$7,106. As of July 31st, the fund balance was \$1,421,993, of which \$1,374,677 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.

The Municipal Authority should be aware that the 2013 note was issued in September 2013, or nearly three years ago. As you know, the note was issued to both reimburse the Sewer Sinking Fund for the costs of the various diversion projects undertaken in 2011-2013, and to pay for engineering and construction of the Reservoir Road Pump Station. My understanding is that the Municipal Authority now plans to use the unspent bond proceeds for the Municipal Authority's share of the anticipated capital improvements to the Chester Creek STP and West Goshen Sewer Authority infrastructure rather than on the Reservoir Road Pump Station construction, which is no longer a priority project given that flows have held steady. Importantly, the formal bond documents did not explicitly state that the note would be used for the specific projects listed above, but rather only for general sewer projects. However, to avoid confusion later on and to make it a matter of the public record, I would recommend that the Municipal Authority consider the following motion:

"My Chairman, upon completion of the engineering work for the Reservoir Road pump station, I move that we use any unspent proceeds of the \$2.5 million 2013 Municipal Authority note to pay for the East Goshen Municipal Authority's share of anticipated capital improvements to the Chester Creek Sewer Treatment plant and West Goshen Sewer Authority infrastructure."

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

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE			1,429,099.15	
RCSTP BUDGET				
REVENUE				
INTEREST EARNED - RCSTP EXPANSION	07341 1020	1,500.00	294.21	961.42
GRANT REVENUE	07392 0800	0.00	0.00	0.00
TOTAL REVENUE		1,500.00	294.21	961.42
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	294.21	961.42

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

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
OPERATING BUDGET				
REVENUE				
INTEREST EARNINGS	07341 1000	10.00	0.61	(33.03)
C.C. TAPPING FEES	07364 1100	4,000.00	2,000.00	4,000.00
R.C.TAPPING FEES	07364 1110	4,000.00	0.00	43,300.00
CONNECTION FEES - SEWER	07364 1130	0.00	281.88	1,127.52
MISCELLANEOUS REVENUE	07380 1000	0.00	141.12	564.48
TRANSFER FROM SEWER OPERATING	07392 0500	93,832.00	0.00	25,000.00
TOTAL REVENUE		101,842.00	2,423.61	73,958.97
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	0.00	0.00	15,410.98
MISCELLANEOUS EXPENSE	07424 3000	3,000.00	0.00	1,641.62
MUNIC.AUTH.-AUDITING	07424 3110	9,500.00	1,400.00	8,900.00
ENGINEERING SERVICES	07424 3130	38,500.00	2,609.50	40,290.25
LEGAL SERVICES	07424 3140	9,000.00	1,789.29	5,812.79
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	5,798.79	72,055.64
OPERATING NET RESULT		13,750.00	(3,375.18)	1,903.33

**EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
July 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	4,024.75	42,147.50
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	4,024.75	42,147.50
CAPITAL NET RESULT		(25,000.00)	(4,024.75)	(42,147.50)
MUNICIPAL AUTHORITY ENDING FUND BALANCE			1,421,993.43	

Report Date 08/05/16

GL Transaction Details

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7 : 58 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				
07341-1000	****	***	*****	36.00	2.97	33.03				
07341-1020			INTEREST EARNED - CONSTRUCTION			0.00				
	1601		51240		110.59		02/01/16	INTEREST		INTEREST EARNED JANUARY 2016 07 FUND

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
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
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				
07341-1020	****	*** *****	5.00	966.42	-961.42				
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				

Report Date 08/05/16

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07364-1100	1607	RE	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				
07364-1100	****	***	*****	0.00	4,000.00	-4,000.00				
07364-1110						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						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				

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GL Transaction Details

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MGRP18 run by BRIAN

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
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				
1607		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				
07392-0500	****	*** *****	0.00	25,000.00	-25,000.00				
07424-1400		ADMINISTRATIVE WAGES			0.00				
	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				
07424-1400	****	*** *****	15,410.98	0.00	15,410.98				
07424-3000		MISCELLANEOUS EXPENSE			0.00				
1601		50894	978.00			01/04/16	3004		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2016 ACTIVE MEMBERSHIP DUES
		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

Report Date 08/05/16

GL Transaction Details

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1601				1,641.62	0.00	1,641.62				
07424-3000	****	***	*****	1,641.62	0.00	1,641.62				
07424-3110						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						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				
1604			52227	6,491.75			04/12/16	3014		1052 PENNONI ASSOCIATES INC. SERV.THURU 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				

Report Date 08/05/16

GL Transaction Details

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MGRP18 run by BRIAN 7 : 58 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1606	CD	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				
07424-3130	****	***	*****	40,290.25	0.00	40,290.25				
07424-3140	LEGAL SERVICES					0.00				
	1601	51149		400.00			12/17/15	3007	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES 12/14/15 - GEN.AU
	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

East Goshen Township General Ledger

Report Date 08/05/16

GL Transaction Details

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MGRP18 run by BRIAN 7 : 58 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3140	1607	CD	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				
07424-3140	****	***	*****	5,812.79	0.00	5,812.79				
07428-1000						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
			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				

East Goshen Township General Ledger

Report Date 08/05/16

GL Transaction Details

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MGRP18 run by BRIAN 7 : 58 AM

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				
07428-1000	****	***	*****	42,147.50	0.00	42,147.50				
Grand Total	114,808.62			75,525.87	39,282.75					

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

August 3, 2016

To: Municipal Authority

From: Mark Miller

RE: Filter Feed Control Panel Parts

Action Item: I would like your approval to purchase some spare parts for the Filter Feed Control Panel. Due to the age of the panels, plus we have already had to replace some of the modules which take as long as two to three weeks to receive. I would like to get two of the most important ones:

SLS 5/05 CPU Module at a cost of \$5,450.26

One Analog input current 16 channel \$1,680.00