

**EAST GOSHEN MUNICIPAL AUTHORITY**

**July 11, 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. June 13, 2016

5. APPROVAL OF INVOICES

a. Pennoni Invoice #697877	\$4,024.75
b. Pennoni Invoice #697878	\$1,951.25
c. Pennoni Invoice #697880	\$ 143.75
d. Pennoni Invoice #697881	\$ 130.25
e. Pennoni Invoice #697882	\$ 384.25
f. Gawthrop #147921	\$1,080.00 –has been paid

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*
- 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*

9. NEW BUSINESS

a. Filter Sock Replacement

b. Acknowledge receipt of Water Obstruction Permit No. E15-877

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

July 8, 2016

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

**Monthly Flows:** The average daily flow to West Goshen was 735,000.

**Meters:** Meters were read on a daily basis. The meters were calibrated by Allied Control with 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 day which made it go off without a hitch. The next step is to begin work on the building at which time we install the new generator.

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

**R.C. Collection:** We televised several areas that we had thought we had inflow however; both areas were in good shape. We also had several requests for sewer caps.

**R.C. Plant:**

We pulled the pumps in SBR 4; both pumps were in very bad condition. The Flygt 3153 pump cost \$8000.00 to be repaired. The cost to replace this pump would have been triple that. The sludge pump had to be replaced due to its poor condition. The pumps are back from Deckmens and are ready for use. Scott advised me that the cooling fan on SBR blower #4 was not working; I ordered a new fan plus two spares. Lenni will install the fans when they come in.

Lift station pump 3 was pulled due to a seal failure; the pump was taken to Deckmens to be checked out.

**Lochwood Plant:**

**Alarms:**

We responded to 23 alarms for June.

**PA One Calls:**

We received 117 Pa One calls June.

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





**MEMORANDUM**

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

**FROM:** Michael Ellis, P.E.  
Authority Engineer

**DATE:** July 8, 2016

**SUBJECT:** Engineer's Report

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**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 anticipate submitting the application to PADEP in July.
- We performed an inspection of SBR #4 and observed severely deteriorated pump components and other deficiencies.

**Reservoir Road Pump Station**

- We coordinated with PADEP and received the Chester Creek Small Projects Joint Permit for the pump station site and Chester Creek utility crossing.
- We revised the NPDES Permit application and plans to address additional minor comments from the Chester County Conservation District (CCCD) and resubmitted revisions on June 13, 2016. CCCD has completed their review and has forwarded it onto PADEP for NPDES Permit issuance.
- 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. They could not find the submitted plans so we sent them another copy in June.
- 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 can prepare 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 performed pre-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 provide limited remaining comments to the PW Director by July 12, 2016.

#### **New Connections**

- No activity since last report.



# Ridley Creek Sewage Treatment Plant

Monthly Operations Report:  
June 2016

## Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during May 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. SBR's 1 and 3 did not experience any mechanical or operational issues. The centrifuge sludge dewatering equipment was fully functional during the month.

## Treatment Process Operation

During May 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 0.12 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 May 2016 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.10 mg/L to 0.18 mg/L.

**Table 1**

<b>May 2016 - Final Effluent - Out Fall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -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											
May 3, 2016	0.372	3.1	9.6	6	19	0.595	1.85	0.10	0.31	12	1.0792
May 6, 2016	0.280			6	14						
May 12, 2016	0.314	3.0	7.9	7	18	0.278	0.73	0.18	0.47	12	1.0792
May 17, 2106	0.328	1.4	3.8	4	11	0.417	1.14			1	0.0000
May 19, 2016	0.375			3	9			0.10	0.31		
May 24, 2016	0.326	2.0	5.4	4	11	0.561	1.53	0.10	0.27	1	0.0000
May 26, 2016	0.310			2	5						
May 31, 2016	0.325	2.2	6.0	8	22	0.354	0.96	0.11	0.30	1	0.0000
Average	0.329	2.3	6.5	5	14	0.441	1.24	0.12	0.33	3	0.4317
Minimum	0.280	1.4	3.8	2	5	0.278	0.73	0.10	0.27	1	0.0000
Maximum	0.375	3.1	9.6	8	22	0.595	1.85	0.18	0.47	12	1.0792



# Ridley Creek Sewage Treatment Plant

## Monthly Operations Report: June 2016

Discharge to Applebrook, Outfall 002, continued to remain off line during May 2016. Table 2 illustrates the influent composite sample data reported for the May 2016.

**Table 2**

<b>May 2016 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
May 3, 2016	0.462	161	620	142	547	29.7	114	38.3	148	4.7	18
May 12, 2016	0.426	181	697	223	859	34.0	131	41.7	148	0.1	0.39
May 17, 2016	0.445	173	667	206	794	32.7	126	44.0	163	4.3	17
May 24, 2016	0.458	135	520	88	339	32.3	124	41.6	159	5.1	20
May 31, 2016	0.434	119	459	84	324	35.5	137	47.6	172	24.6	95
Average	0.445	154	593	149	573	32.8	127	42.6	158	7.8	30
Minimum	0.426	119	459	84	324	29.7	114	38.3	148	0.1	0
Maximum	0.462	181	697	223	859	35.5	137	47.6	172	24.6	95

Table 3 presents the available Outfall 001 final effluent data for the month of June 2016. During June, the presence of foam conditions on the surface of the SBRs from the previous month with foam concentrations ranging from 15% to 30% of the 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 June, there are no anticipated exceedances of the permitted limitations for Outfall 001. 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:  
June 2016

Table 3

June 2016 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -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										
June 30, 2016	0.168										
Average	0.229	2.20	4.4	3	7	1.78	2.98	0.16	0.08	67	1.8254
Minimum	0.168	2.00	3.1	2	3	0.10	0.15	0.16	0.00	24	1.3802
Maximum	0.373	2.50	6.5	5	12	4.82	7.48	0.16	0.25	290	2.4624

On June 14, 2016, the pump to provide flow to Applebrook was activated. Table 4 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: June 2016

**Table 4**

June 2016 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -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	0.0	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	0.1	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	5.3	0.16	0.18	43	1.6335
June 22, 2016	0.124			2.5	2.6						
June 28, 2016	0.126										
June 30, 2016	0.127										
Average	0.128	0.658	1.028	1.699	2.121	2.155	2.207	2.03	1.88	67	1.8254
Minimum	0.0000	0.7	0.0	2	0.0	0.10	0.000	0.00	0.00	24	1.3802
Maximum	0.1340	2.5	2.8	5	5.1	4.82	5.35	2.03	1.88	290	2.4624

The influent wastewater pollutant concentrations and loading entering the wastewater treatment facility increased above the design concentrations during June. The influent flow volumes were observed to be considerably lowered as compared to previous months. The elevated pollutant concentrations is believed to be associated with the decrease in hydraulic loading to the plant during June. It is also noted that the internal recycle flow rates to the SBRs increased significantly. This increase is attributed to increased draining and cleaning of the disc filters and increased sludge processing. 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.





# Ridley Creek Sewage Treatment Plant

## Monthly Operations Report: June 2016

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

**Table 5**

June 2016 - Influent Wastewater											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -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										
Average	0.287	322	968	349	1051	45.6	137	68.7	173	8.9	27
Minimum	0.251	220	662	197	593	42.5	128	59.7	135	6.3	19
Maximum	0.361	444	1337	570	1716	49.1	148	76.6	231	10.5	32

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during May. SBRs 1, 2 and 3 were in service during June. SBR 4 was cleaned of all debris was removed from service on June 9<sup>th</sup>. The tank was cleaned of all debris in preparation of an inspection, with focus on the interior wall coating. The motive and sludge waste pumps were removed on June 20, 2016 for repair and rebuild. The operating hours for the pumps are listed below:

SBR 4 Motive pump: 33,129.21 hours  
SBR 4 WAS pump: 1,764.1 hours

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 89.2 gpd to 68.0 gpd. Soda ash daily addition decreased from 534



# Ridley Creek Sewage Treatment Plant

## Monthly Operations Report: June 2016

lbs/day to 438 lbs/day. Soda ash assists towards maintaining SBR pH concentrations above 7.0 standard units and assists to replenish alkalinity consumed during the nitrification process and aluminum sulfate solution addition.

### Solids Dewatering and Disposal: June 2016

Sludge Dewatering Summary	
Gallons of sludge dewatered	227,706
Number of dumpsters	5

*\*Twenty (20) days of centrifuge operation*

### Flow data:

June 2016			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	8.181	272,685	426,380
Influent Wastewater to SBRs	12.728	424,281	540,608
Internal Recycle	4.610	153,676	221,134
Treated Effluent to Disc Filters	12.578	419,283	499,328
Final Effluent Discharge	7.082	236,067	373,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

### Chemical Usage:

June 2016		
Chemical	Daily Average	Total Monthly
Soda Ash	438	13,150
Aluminum Sulfate solution	68.0	1,973
Polymer (centrifuge)	0.84	16.8

*\*Twenty (20) days of centrifuge operation*

During June, 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 sludge initial level was 9.61 feet with 14.64 feet at the end of the month. The average pH concentration was 6.89 S.U., total alkalinity average of 192 mg/L and total solids concentration was





Ridley Creek Sewage  
Treatment Plant

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0.99%. Zero gallons of supernatant were decanted during the month. One thousand (1,000) pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The sludge initial level was 12.65 feet with 9.97 feet at the end of the month. The average pH concentration was 7.18 S.U., total alkalinity average of 447 mg/L and total solids concentration was 1.07%. Zero gallons of supernatant were decanted during the month. One thousand (1,000) pounds of soda ash were added.

**PA DEP**

No activity

**Significant Storm/Hydraulic Loading Events**

During June, 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 2.47 inches of rainfall were measured during the month. The event occurred on the following date:

- June 3<sup>rd</sup> - 0.57 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**

**June 7, 8, and 9.**

Fine screen auger motor overload alarm. Rest breaker. Disassembled fine screen to clean interior chamber and spray wash nozzles. No further alarms.

**June 9, 2016:**

The Flow Proportional Single Board Computer (FPSBC) was replaced on June 9, 2016 with an upgraded unit provided by Integrated Controls. This new unit keeps electronic reports on an internal flash drive which is viewable via a built in web page.

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



Ridley Creek Sewage  
Treatment Plant

Monthly Operations Report:  
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A new 200 psi safety relief valve for the compressor in the pump room was ordered. The current safety relief valve is leaking badly, which causes the compressor to run more frequently than needed. The valve is permanently sealed, so it cannot be cleaned/repared.

**June 10, 2016:**

SBR #2 effluent valve actuator failed which resulted in SBR #2 becoming off-line. Tri-State Technical Sales Corporation was contacted to assist with an emergency repair. Roger Fryberger arrived around 7:15 p.m. and determined that the motor in the actuator had failed. We replaced the defective actuator with the new one that was sitting on the shelf. SBR #2 is now back in service.

There are no reserve actuators for the effluent valves. We were also informed that the current actuator model has been discontinued. We recommend purchasing a spare actuator valve assembly.

Contact Information: Roger Fryberger / Service Tech.  
Phone: 610-647-5700  
Cell: 610-656-0076  
rfryberger@tristatetech.com  
Tri-State Technical Sales Corporation

The exhaust fan on SBR Blower #1 is not operating and feels bound up. The two (2) exterior panels were removed to provide ventilation. A repair will be scheduled.

**June 12, 2016:**

Siemens panel alarm 1:30 pm- SBR #2 high level and failed off upon arrival. SBR #2 decant log riding up high on Surface of the tank. Removed SBR 2 from service. Decreased minimum React time 60 mins from 90 and decreased Settle time to 30 mins from 60 to operate the plant with only two (2) SBR's online.

**June 13, 2016:**

Returned SBR #2 to service with utility water running to SBR#2 decant log. Effluent valve looks like it is opening, however, the decanter is not lowering nor is the level. Removed SBR #2 from service and decreased min React to 60 min from 90. Decreased Settle to 30 min from 60.



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**June 17, 2016:**

SBR#2 decanter is still floating high on the surface. SBR decanter for "air bound" condition preventing the SBR from decanting.

**June 20, 2016:**

Township crews removed SBR 4 motive and sludge WAS pumps for rebuilding.

SBR #2 decanter functioning as intended.

**June 26, 2016:**

SBR #3 sludge pump failure. Rest pump breaker.

**Draft**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**June 13, 2016**

The East Goshen Township Municipal Authority attended a tour of the West Goshen Westtown Way Pump Station on June 13, 2016 at 6:00 p.m. Those who attended were: Rick Smith, Mark Miller, Dana Pizarro, Jack Yahraes, Ed McAssey, Phil Mayer and Mike Ellis.

The East Goshen Township Municipal Authority held their regular public meeting on Monday, June 13, 2016 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Jack Yahraes, Ed McAssey, and Phil Mayer. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), 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 &amp; Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&amp;I – Inflow &amp; 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. Ed submitted West Goshen meeting notes.

**Sewer Reports**

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

Monthly Flows: The average daily flow to West Goshen was 860,000 gallons per day.

Meters: The month was relatively uneventful. The meters at pumping stations were visited on a regular basis. There were no problems for the month. All meters were calibrated and read on a daily basis. The portable meters were checked and all info was downloaded.

Chester Creek Pump: The pumping stations were visited on a routine basis with no problems to report.

Hunt Country Pump: It was visited on a daily basis.

C.C. Collection: As I stated above, the stations were checked on a daily basis with on problems to report. We replaced 25 casting and lids in the White Chimneys development in preparation of the manhole lining. The new manhole has been ordered to replace the

one in the driveway on Marie road. The casting and lids are in good condition on Cornwallis Drive. We replaced a dozen cleanout stacks and caps at various locations. R.C. Collection – The work on the station has started. MGK installed the new top and hatch. The actual pump and rail system is next. This should take place in the next 3 weeks. We have ordered material to expand the pump station building that will house the controls for the new generator. Letters were sent to the two neighbors asking to meet with them to answer any questions they may have. We replaced several caps on the system.

R.C. Plant: Scott pumped the SBR tank 4 over to SBR tank 2. The tank was pumped down and washed. Pennoni will inspect the tank per the agreement. We received pump three back from Deckman Electric for the wet well. We will pull the pumps in SBR tank 4 and have them checked. We cleaned the grit chamber in the screen building.

Lochwood Plant: We had to complete some additional grading of the site. Rick reached out to the HOA who have requested that we remove the fence that surrounded the ponds and leave the fence that separates their property from the Millstream Drive development.

Alarms: We responded to 21 alarms for May.

PA One Calls: We received 75 PA One calls for May.

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

Mike Ellis provided the following 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 anticipate submitting the application to PADEP by early July.

### Reservoir Rd Pump Station:

We are still awaiting PADEP response for the Chester Creek Small Projects Joint Permit for the pump station site and Chester Creek utility crossing.

We revised the NPDES Permit application and plan to address comments from the Chester Co. Conservation District and resubmitted it on June 7, 2016.

The Water Quality Management Permit application was submitted to PADEP on April 13, 2016. PADEP has 120 calendar days to perform their review, and we are awaiting a response.

We are preparing the front end of the bid document, including the bid form and Division 01 specification sections so that the full bid document will be complete upon receipt of the remaining permits. Technical specifications were already prepared as part of the WQM Permit application.

### RCSTP and Pump Stations' O&M Plan

Limited activity since the last report.

### White Chimneys & Cornwallis Drive Manhole Lining

We coordinated with Abel Recon and township staff for the lining work following contract approval. The work is tentatively scheduled to begin on June 16, 2016. We will perform part-time construction observation during the work.



1 White Chimneys Manhole Replacement

2 We completed the plan for replacement of the Ashbridge Pump Station force main  
3 discharge manhole (MH C-226) and submitted it to the Township for use in construction  
4 by the PW Department. We coordinated with the precast plant to fabricate the new  
5 manhole, and it is scheduled for delivery to the Township on June 13, 2016. We will  
6 provide assistance as requested by the Township during construction.

7 Semi-Annual I&I Reports

8 We anticipate portable meter data will be provided for our analysis within the next week  
9 and we will then analyze and prepare a formal semi-annual report by the July MA  
10 meeting.

11 Sunoco Pipeline

12 We reviewed a plan submission from Sunoco for their proposed Marine East 2 Pipeline  
13 project regarding 12 crossings of East Goshen's sanitary sewers. We provided comments  
14 to the PW Director and a meeting is being scheduled with Sunoco to review the  
15 comments, likely within the next two weeks.

16 West Goshen Capital Improvements Plan

17 We performed a cursory review of West Goshen's 2015 Wastewater Treatment and  
18 Pumping Facilities Capital Improvement Plan Status Report as prepared by HRG since  
19 East Goshen is anticipated to be responsible for a portion of the capital improvement  
20 costs. We submitted a review memo to the Township.

21 New Connections

22 1420 E. Strasburg Road, Brakman Property – We reviewed the grinder pump system  
23 design on the Subdivision and Land Development Plans and provided comments. We  
24 attended a field meeting with Township staff and the developer to discuss the comments  
25 and to evaluate alternative sewer routing and connection locations.  
26

27 **3. Big Fish Environmental Services** – Scott's report showed that the Ridley Creek sewage  
28 treatment plant outfall 001 achieved compliance with the NPDES discharge permit during May  
29 2016. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained  
30 consistent with previous months. The sludge grinder was removed and sent to Deckman Electric  
31 for replacement of the head and shear plate assembly. No mechanical or operational issues were  
32 observed regarding the centrifuge sludge dewatering equipment.  
33

34 Approval of Minutes

35 Jack moved to accept the minutes of May 9, 2016 as corrected. Phil seconded the motion. The  
36 motion passed unanimously.  
37

38 Approval of Invoices

39 1. Ed moved to approve payment to Donald Pusey for easement in the amount of \$690.00. Phil  
40 seconded the motion. The motion passed unanimously.

41 2. Jack moved to approve payment of the following Pennoni invoices:

- |    |    |                 |             |
|----|----|-----------------|-------------|
| 42 | a. | Pennoni #692533 | \$ 3,032.25 |
| 43 | b. | Pennoni #692534 | \$ 174.25   |
| 44 | c. | Pennoni #692535 | \$ 948.75   |
| 45 | d. | Pennoni #692536 | \$ 1,510.50 |
| 46 | e. | Pennoni #692537 | \$ 1,287.00 |

1 f. Pennoni #692538 \$ 4,595.75

2 g. Pennoni #692539 \$ 1,487.00

3 Phil seconded the motion. The motion passed unanimously.

4 3. Phil moved to approve payment of Gawthrop Invoice #145866 in the amount of \$1,080.00  
5 which was previously paid. Ed seconded the motion. The motion passed unanimously.  
6

### 7 **Financial Reports**

8 Jon Altshul provided the following written report:

9 In May, the Municipal Authority recorded \$109 in revenues (interest) and \$12,052 in expenses,  
10 (including \$4,342 for general engineering services, and \$6,630 for Reservoir Road Pump Station  
11 engineering), for a negative variance of \$11,943. As of May 31<sup>st</sup>, the fund balance was  
12 \$1,417,288 of which \$1,382,001 is in the main construction account.  
13

### 14 **Old Business**

- 15 1. 1420 E. Strasburg Road – James Seeley, 47 Lockwood Lane was present. He explained  
16 the relationship of his house to the 2 proposed houses and the existing house. He  
17 requested information about maintenance of the sewer equipment crossing to the  
18 manhole. He explained issues he is concerned about, slopes, grades, wildlife and  
19 overflow onto his property. He gave suggestions about what should be done. There was  
20 discussion about easements and right of ways. Rick explained the process of approval by  
21 the township.
- 22 2. Jack moved to authorize the Chairman to execute the easement for Donald Pusey. Ed  
23 seconded the motion. The motion passed unanimously.

### 24 **Goals**

25 Goals for 2016 were discussed.  
26

### 27 **New Business**

28 None  
29

### 30 **Capacity Requests**

- 31 1. 1329 N. Chester Rd. – 1 EDU – Ed moved to approve. Jack seconded the motion.  
32 The motion passed unanimously.
- 33 2. 1631 Hunter Circle – 1 EDU was discussed.

### 34 **Any Other Matter**

- 35 1. Valley Creek – Jessica will check on the status and give an update at the next  
36 meeting.  
37

### 38 **Adjournment**

39 There being no further business, ED moved to adjourn the meeting. Phil seconded the motion.  
40 The motion passed unanimously. The meeting was adjourned at 8:00 pm. The next meeting will  
41 be held on Monday, July 11, 2016 at 7:00 pm.  
42

43 Respectfully submitted,

44 Ruth Kiefer

45 Recording Secretary  
46



# 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 # : 697877**  
**Invoice Date : 06/29/2016**  
**Project : EGMA1504**  
**Project Name : Reservoir Rd PS Design & Permitting**

---

**For Services Rendered through: 6/19/2016**

---

Prepared draft Bid Form and front end of Bid Document; resubmitted full NPDES permit application on 6/7/2016 to address CCCD's comments; received eight follow-up comments from CCCD thereafter on 6/13/2016, and we revised certain NPDES permit application plans and permit forms accordingly, and prepared a response letter; coordinated with PADEP to resolve outstanding Chester Creek Joint Permit application (PADEP previously issued incorrect and incomplete permit in response to this application); and coordinated with PADEP on review status of Water Quality Management Permit submission including a plan resubmission (PADEP misplaced previously submitted plans).

**Phase : 11 -- Final Design**

**Total Phase : 11 -- Final Design**

<b>Labor :</b>	<b>192.25</b>
<b>Expense :</b>	<b>0.00</b>
<b>Phase Total :</b>	<b>192.25</b>

**Phase : 12 -- Permitting**

**Total Phase : 12 -- Permitting**

<b>Labor :</b>	<b>3,832.50</b>
<b>Expense :</b>	<b>0.00</b>
<b>Phase Total :</b>	<b>3,832.50</b>

**Amount Due This Invoice**

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**\$4,024.75**

OK RS 7-8

Continued on next page...

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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		Hours/ Units	Rate	Amount
Class				
Authority Engineer		0.50	115.00	57.50
Graduate Engineer		1.75	77.00	134.75
<b>Labor Total:</b>		<b>2.25</b>		<b>192.25</b>

## Total Phase : 11 -- Final Design

Labor : \$192.25

Expense : \$0.00

## Phase : 12 -- Permitting

Labor		Hours/ Units	Rate	Amount
Class				
Authority Engineer		9.75	115.00	1,121.25
Senior Environmental Scientist		1.25	90.00	112.50
Graduate Engineer		29.25	77.00	2,252.25
Engineering Technician II		4.50	77.00	346.50
<b>Labor Total:</b>		<b>44.75</b>		<b>3,832.50</b>

## Total Phase : 12 -- Permitting

Labor : \$3,832.50

Expense : \$0.00

## Total Project : EGMA1504 -- Reservoir Rd PS Design &amp; Permitting

Labor : \$4,024.75

Expense : \$0.00

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 6/29/2016

**Project:** EGMA1504  
**Pennoni Job No.:** Reservoir Rd PS Design & Permitting  
**Invoice No:** **697877**  
**Invoice Period:** 5/16/2016 to 6/19/2016  
**Initial Authorization:** \$ 167,120.00 **Date:** 6/29/2016  
**Contract Amount:** \$ 174,120.00  
**Previously Invoiced:** \$ 169,973.75  
**Current Invoice:** \$ 4,024.75  
**Invoiced to Date (\$):** \$ 173,998.50  
**Invoiced to Date (%):** 99.93%  
**Remaining Budget (\$):** \$ 121.50  
**Remaining Budget (%):** 0.07%

**Budget by Phase:**

Phase Name:	Final Design	Phase 11
Phase Budget:	\$ 63,650.50	
Previously Invoiced:	\$ 63,458.25	
Current Invoice:	\$ 192.25	
Invoiced to Date (\$):	\$ 63,650.50	
Invoiced to Date (%):	100.00%	
Remaining Budget (\$):	\$ -	
Remaining Budget (%):	0.00%	

**Comments:** Prepared draft Bid Form and front end of Bid Document; resubmitted full NPDES permit application on 6/7/2016 to address CCCD's comments; received eight follow-up comments from CCCD thereafter on 6/13/2016, and we revised certain NPDES permit application plans and permit forms accordingly, and prepared a response letter; coordinated with PADEP to resolve outstanding Chester Creek Joint Permit application (PADEP previously issued incorrect and incomplete permit in response to this application); and coordinated with PADEP on review status of Water Quality Management Permit submission including a plan resubmission (PADEP misplaced previously submitted plans).

East Goshen Municipal Authority  
EGMA1504 Invoice Summary  
Invoice Date 6/29/2016

**Project:** EGMA1504  
**Pennoni Job No.:** Reservoir Rd PS Design & Permitting  
**Invoice No:** 697877  
**Invoice Period:** 5/16/2016 to 6/19/2016  
**Initial Authorization:** \$ 167,120.00 **Date:** 6/29/2016  
**Contract Amount:** \$ 174,120.00  
**Previously Invoiced:** \$ 169,974.50  
**Current Invoice:** \$ 4,024.75  
**Invoiced to Date (\$):** \$ 173,999.25  
**Invoiced to Date (%):** 99.93%  
**Remaining Budget (\$):** \$ 120.75  
**Remaining Budget (%):** 0.07%

**Budget by Phase:**

Phase Name:	Permitting	Phase 12
Phase Budget:	\$ 33,460.00	
Previously Invoiced:	\$ 29,506.00	
Current Invoice:	\$ 3,832.75	
Invoiced to Date (\$):	\$ 33,338.75	
Invoiced to Date (%):	99.64%	
Remaining Budget (\$):	\$ 121.25	
Remaining Budget (%):	0.36%	

**Comments:** Prepared draft Bid Form and front end of Bid Document; resubmitted full NPDES permit application on 6/7/2016 to address CCCD's comments; received eight follow-up comments from CCCD thereafter on 6/13/2016, and we revised certain NPDES permit application plans and permit forms accordingly, and prepared a response letter; coordinated with PADEP to resolve outstanding Chester Creek Joint Permit application (PADEP previously issued incorrect and incomplete permit in response to this application); and coordinated with PADEP on review status of Water Quality Management Permit submission including a plan resubmission (PADEP misplaced previously submitted plans).

# Reservoir Road Pump Station Design & Permitting

## INVOICE SUMMARY

For Services Rendered through: 6/19/2016

Task No.	Activity	Contract Amount*	Invoiced Effort thru 2/14/2016	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	\$63,650.50	\$63,650.50	\$0.00	0%	No**
12	Permitting	\$33,460.00	\$33,338.75	\$121.25	<1%	No***
TOTAL		\$174,120.00	\$173,998.75	\$121.25	<1%	

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

\*\*Need to complete Bid Form and assemble full bid document package for Township once remaining permits are issued. Estimated effort to do so is \$1,000.00. Spec Section 01025 "Measurements and Payments" will remain in a draft form in the full package since it will need to be revisited in the future at the time of bidding and to avoid extra effort now to describe every bid item in detail.

\*\*\* NPDES permitting effort is believed to be complete, but the permit has not been issued yet. The only other outstanding permit is the Water Quality Management (WQM) Permit. We recommend allocating approximately \$2,000.00 for coordination with PADEP to address any questions or comments they may have on that permit application once they perform their review.



# 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 # : 697878  
Invoice Date : 06/29/2016  
Project : EGMA1601  
Project Name : 2016 General Services

For Services Rendered through: 6/19/2016

Reviewed West Goshen's 2015 Wastewater Treatment and Pumping Facilities Capital Improvements Plan Status Update and supporting documents and issued a comment memo to East Goshen Twp; reviewed Sunoco's first submission of proposed pipeline-sanitary sewer crossing plans and provided comments to the PW Director; provided cured-in-place pipe lining budgetary cost info to PW Director; prepared June Engineer's Report; prepared for and attended June MA meeting including site visit to Westtown Way Pump Station; and performed inspection of RCSTP SBR #4.

**Phase : \*\*\*\* -- Professional Services**

**Total Phase : \*\*\*\* -- Professional Services**

Labor : 1,951.25  
Expense : 0.00  
Phase Total : 1,951.25

**Amount Due This Invoice**

**\$1,951.25**

Fee : 12,300.00  
Prior Billings : 4,153.25  
Current Billings : 1,951.25  
Total Billings : 6,104.50

**Phase : \*\*\*\* -- Professional Services**

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	10.00	115.00	1,150.00
Senior Engineer	4.00	110.00	440.00
Project Engineer	0.50	97.00	48.50
Senior Engineering Technician	3.00	85.00	255.00
Graduate Engineer	0.75	77.00	57.75
<b>Labor Total:</b>	<b>18.25</b>		<b>1,951.25</b>

**Total Phase : \*\*\*\* -- Professional Services**

Labor : \$1,951.25  
Expense : \$0.00

**Total Project : EGMA1601 -- 2016 General Services**

Labor : \$1,951.25  
Expense : \$0.00

ok RS 7-8

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 06/29/2016

<b>Project:</b>	EGMA1601		
<b>Pennoni Job No.:</b>	2016 General Services		
<b>Invoice No:</b>	<b>697878</b>		
<b>Invoice Period:</b>	5/16/2016	to	6/19/2016
<b>Initial Authorization:</b>	\$ 12,300.00	<b>Date:</b>	6/29/2016
<b>Contract Amount:</b>	\$ 12,300.00		
<b>Previously Invoiced:</b>	\$ 4,153.25		
<b>Current Invoice:</b>	\$ 1,951.25		
<b>Invoiced to Date (\$):</b>	\$ 6,104.50		
<b>Invoiced to Date (%):</b>	50%		
<b>Remaining Budget (\$):</b>	\$ 6,195.50		
<b>Remaining Budget (%):</b>	50%		

**Budget by Phase:**

<b>Phase Name:</b>	2016 General Services
<b>Phase Budget:</b>	\$ 12,300.00
<b>Previously Invoiced:</b>	\$ 4,153.25
<b>Current Invoice:</b>	\$ 1,951.25
<b>Invoiced to Date (\$):</b>	\$ 6,104.50
<b>Invoiced to Date (%):</b>	50%
<b>Remaining Budget (\$):</b>	\$ 6,195.50
<b>Remaining Budget (%):</b>	50%

**Comments:** Reviewed West Goshen's 2015 Wastewater Treatment and Pumping Facilities Capital Improvements Plan Status Update and supporting documents and issued a comment memo to East Goshen Twp; reviewed Sunoco's first submission of proposed pipeline-sanitary sewer crossing plans and provided comments to the PW Director; provided cured-in-place pipe lining budgetary cost info to PW Director; prepared June Engineer's Report; prepared for and attended June MA meeting including site visit to Westtown Way Pump Station; and performed inspection of RCSTP SBR #4.



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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 # : 697880  
Invoice Date : 06/29/2016  
Project : EGMA1604  
Project Name : White Chimneys MH Lining Bid Doc

For Services Rendered through: 6/19/2016

Pre-construction coordination with contractor and Township regarding schedule and property owner notifications.

Phase : \*\*\*\* -- Design Phase

Total Phase : \*\*\*\* -- Design Phase

Labor : 143.75  
Expense : 0.00  
Phase Total : 143.75

Amount Due This Invoice

\$143.75

Fee : 12,400.00  
Prior Billings : 6,333.50  
Current Billings : 143.75  
Total Billings : 6,477.25

Phase : \*\*\*\* -- Design Phase

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	1.25	115.00	143.75
Labor Total:	1.25		143.75

Total Phase : \*\*\*\* -- Design Phase

Labor : \$143.75  
Expense : \$0.00

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

Labor : \$143.75  
Expense : \$0.00

OLC RS 7-8

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 06/29/2016

**Project:** EGMA1604  
**Pennoni Job No.:** White Chimneys MH Lining Bid Doc  
**Invoice No:** 692537  
**Invoice Period:** 5/16/2016 to 6/19/2016  
**Initial Authorization:** \$ 4,400.00 **Date:** 6/29/2016  
**Contract Amount:** \$ 12,400.00  
**Previously Invoiced:** \$ 6,333.50  
**Current Invoice:** \$ 143.75  
**Invoiced to Date (\$):** \$ 6,477.25  
**Invoiced to Date (%):** 52%  
**Remaining Budget (\$):** \$ 5,922.75  
**Remaining Budget (%):** 48%

**Budget by Phase:**

**Phase Name:** White Chimneys MH Lining Bid Doc  
**Phase Budget:** \$ 12,400.00  
**Previously Invoiced:** \$ 6,333.50  
**Current Invoice:** \$ 143.75  
**Invoiced to Date (\$):** \$ 6,477.25  
**Invoiced to Date (%):** 52%  
**Remaining Budget (\$):** \$ 5,922.75  
**Remaining Budget (%):** 48%

**Comments:** Pre-construction coordination with contractor and Township regarding schedule and property owner notifications





# 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 # : 697881  
Invoice Date : 06/29/2016  
Project : EGMA1605  
Project Name : White Chimneys MH Replacement

For Services Rendered through: 6/19/2016

Revised plan, forwarded plan to manhole manufacturer, and coordinated scope and cost with manhole manufacturer.

Phase : \*\*\*\* -- Design Phase

Total Phase : \*\*\*\* -- Design Phase

Labor : 130.25  
Expense : 0.00  
Phase Total : 130.25

Amount Due This Invoice

\$130.25

Fee : 8,000.00  
Prior Billings : 4,595.75  
Current Billings : 130.25  
Total Billings : 4,726.00

Phase : \*\*\*\* -- Design Phase

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	0.50	115.00	57.50
Project Engineer	0.75	97.00	72.75
Labor Total:	1.25		130.25

Total Phase : \*\*\*\* -- Design Phase

Labor : \$130.25  
Expense : \$0.00

Total Project : EGMA1605 -- White Chimneys MH Replacement

Labor : \$130.25  
Expense : \$0.00

OK RS 7-8

East Goshen Municipal Authority  
EGMA1605 Invoice Summary  
Invoice Date 06/29/2016

**Project:** EGMA1605  
**Pennoni Job No.:** White Chimneys MH Replacement  
**Invoice No:** 697881  
**Invoice Period:** 5/16/2016 to 6/19/2016  
**Initial Authorization:** \$ 8,000.00 **Date:** 6/29/2016  
**Contract Amount:** \$ 8,000.00  
**Previously Invoiced:** \$ 4,595.75  
**Current Invoice:** \$ 130.25  
**Invoiced to Date (\$):** \$ 4,726.00  
**Invoiced to Date (%):** 59%  
**Remaining Budget (\$):** \$ 3,274.00  
**Remaining Budget (%):** 41%

**Budget by Phase:**

**Phase Name:** White Chimneys MH Replacement  
**Phase Budget:** \$ 8,000.00  
**Previously Invoiced:** \$ 4,595.75  
**Current Invoice:** \$ 130.25  
**Invoiced to Date (\$):** \$ 4,726.00  
**Invoiced to Date (%):** 59%  
**Remaining Budget (\$):** \$ 3,274.00  
**Remaining Budget (%):** 41%

**Comments:** Revised plan, forwarded plan to manhole manufacturer, and coordinated scope and cost with manhole manufacturer



# 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 # : 697882  
Invoice Date : 06/29/2016  
Project : EGMA1606  
Project Name : Ridley Creek STP Permit Renewal

For Services Rendered through: 6/19/2016

Continued preparation of NPDES permit application renewal; submitted Act 14 notifications to County and Township; and coordinated required effluent sampling with plant operator.

Phase : \*\*\*\* -- Professional Services

Total Phase : \*\*\*\* -- Professional Services

Labor : 384.25  
Expense : 0.00  
Phase Total : 384.25

## Amount Due This Invoice

384.25

Fee : 4,500.00  
Prior Billings : 1,487.00  
Current Billings : 384.25  
Total Billings : 1,871.25

Phase : \*\*\*\* -- Professional Services

### Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	1.50	115.00	172.50
Graduate Engineer	2.75	77.00	211.75
Labor Total:	4.25		384.25

Total Phase : \*\*\*\* -- Professional Services

Labor : 384.25  
Expense : 0.00

Total Project : EGMA1606 -- Ridley Creek STP Permit Renewal

Labor : 384.25  
Expense : 0.00

OK RS 7-8

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 06/29/2016

**Project:** EGMA1606  
**Pennoni Job No.:** Ridley Creek STP Permit Renewal  
**Invoice No:** 697882  
**Invoice Period:** 5/16/2016 to 6/19/2016  
**Initial Authorization:** \$ 4,500.00 **Date:** 6/29/2016  
**Contract Amount:** \$ 8,000.00  
**Previously Invoiced:** \$ 1,487.00  
**Current Invoice:** \$ 384.25  
**Invoiced to Date (\$):** \$ 1,871.25  
**Invoiced to Date (%):** 23%  
**Remaining Budget (\$):** \$ 6,128.75  
**Remaining Budget (%):** 77%

**Budget by Phase:**

**Phase Name:** Ridley Creek STP Permit Renewal  
**Phase Budget:** \$ 8,000.00  
**Previously Invoiced:** \$ 1,487.00  
**Current Invoice:** \$ 384.25  
**Invoiced to Date (\$):** \$ 1,871.25  
**Invoiced to Date (%):** 23%  
**Remaining Budget (\$):** \$ 6,128.75  
**Remaining Budget (%):** 77%

**Comments:** Continued preparation of NPDES permit application renewal; submitted Act 14 notifications to County and Township; and coordinated required effluent sampling with plant operator.



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

6-20-16  
To M A

THIS INVOICE HAS BEEN PAID

Rick

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
06/09/2016  
Client No: 6604-001R  
Invoice No. 147921

General Authority Services

OK TO PAY

RS 6-20-16

Fees

		Hours	
05/09/2016			
JKW	Review agenda in advance of meeting; attend Municipal Authority meeting.	2.70	
05/10/2016			
PMM	Emails to/from R Smith regarding whether to review agreement with WGTMA.	0.40	
05/11/2016			
PMM	Emails from/to R Smith regarding Pusey easement.	0.20	
05/20/2016			
PMM	Emails from/to R Smith regarding Pusey easement.	0.40	
05/23/2016			
PMM	Emails to/from R Smith with Sunoco Declaration of Taking for pipeline easement through Hershey Mill Open Space; Review and analyze agreement and amendments (7) with West Goshen Township Municipal Authority and East Goshen Township.	1.50	
05/24/2016			
PMM	Telephone conference with R. Smith regarding 1977 agreement with West Goshen Township Municipal Authority;	0.20	
	For Current Services Rendered	5.40	1,080.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Jessica K. Wiesak	2.70	\$200.00	\$540.00
Patrick M. McKenna	2.70	200.00	540.00

Total Current Charges 1,080.00

Balance Due 1,080.00

# Memo

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To: Municipal Authority  
From: Jon Altshul  
Re: MA June Financial Reports  
Date: July 6, 2016

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In June, the Municipal Authority recorded \$33,242 in revenues of which \$33,148 was from tap-in fees (1329 N Chester Rd; New Kent; and 946 Cornwallis) and \$21,431 in expenses (\$10,003 for general engineering services; \$3,722 for Reservoir Road Pump Station engineering; and \$7,705 for the quarterly administrative chargeback), for a positive variance of \$11,811. As of June 30<sup>th</sup>, the fund balance was \$1,429,099, of which \$1,378,411 is in the main construction account. Note also that I moved the construction account to a new bank in June, which will generate more interest income moving forward.

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

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

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
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<b>MUNICIPAL AUTHORITY BEGINNING FUND BALANCE</b>			<b>1,417,288.15</b>	
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**RCSTP BUDGET**

REVENUE

INTEREST EARNED - RCSTP EXPANSION	07341 1020	1,500.00	129.88	667.21
GRANT REVENUE	07392 0800	0.00	0.00	0.00

TOTAL REVENUE		1,500.00	129.88	667.21
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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
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RCSTP NET RESULT		1,500.00	129.88	667.21
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**EAST GOSHEN TOWNSHIP**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA**  
**Municipal Authority**  
**June 2016**

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>OPERATING BUDGET</b>				
REVENUE				
INTEREST EARNINGS	07341 1000	10.00	(35.89)	(33.64)
C.C. TAPPING FEES	07364 1100	4,000.00	2,000.00	2,000.00
R.C.TAPPING FEES	07364 1110	4,000.00	31,148.00	43,300.00
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	845.64
MISCELLANEOUS REVENUE	07380 1000	0.00	0.00	423.36
TRANSFER FROM SEWER OPERATING	07392 0500	93,832.00	0.00	25,000.00
TOTAL REVENUE		101,842.00	33,112.11	71,535.36
<b>EXPENSES</b>				
ADMINISTRATIVE WAGES	07424 1400	0.00	7,705.49	15,410.98
MISCELLANEOUS EXPENSE	07424 3000	3,000.00	0.00	1,641.62
MUNIC.AUTH.-AUDITING	07424 3110	9,500.00	0.00	7,500.00
ENGINEERING SERVICES	07424 3130	38,500.00	10,003.25	37,680.75
LEGAL SERVICES	07424 3140	9,000.00	0.00	4,023.50
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	17,708.74	66,256.85
<b>OPERATING NET RESULT</b>		13,750.00	15,403.37	5,278.51



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

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>CAPITAL BUDGET</b>				
<b>REVENUE</b>				
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
<b>TOTAL REVENUE</b>		0.00	0.00	0.00
<b>EXPENSES</b>				
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	3,722.25	38,122.75
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
<b>TOTAL EXPENSES</b>		25,000.00	3,722.25	38,122.75
<b>CAPITAL NET RESULT</b>		(25,000.00)	(3,722.25)	(38,122.75)
<b>MUNICIPAL AUTHORITY ENDING FUND BALANCE</b>			1,429,099.15	

Report Date 07/06/16

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
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				
07341-1000	****	***	*****	36.00	2.36	33.64				
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

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
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				
07341-1020	****	*** *****	5.00	672.21	-667.21				
07364-1100	C.C.	TAPPING FEES			0.00				
	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				
07364-1100	****	*** *****	0.00	2,000.00	-2,000.00				
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				

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07364-1110	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				
07364-1130	****	***	*****	423.36	1,269.00	-845.64				
07380-1000	MISCELLANEOUS REVENUE					0.00				
			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				
07380-1000	****	***	*****	0.00	423.36	-423.36				
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				

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-1400					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					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
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				
07424-3110	****	*** *****	7,500.00	0.00	7,500.00				
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.THUR 12/13/16 2015 GEN.SER

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Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
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. THRU 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				
07424-3130	****	*** *****	37,680.75	0.00	37,680.75				
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				

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GL Transaction Details

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3140	1604	CD	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				
07424-3140	****	***	*****	4,023.50	0.00	4,023.50				
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				

Report Date 07/06/16

GL Transaction Details

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MGRP18 run by BRIAN 3 : 26 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07428-1000	1606	CD	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				
07428-1000	****	***	*****	38,122.75	0.00	38,122.75				
Grand Total	104,843.96			72,666.93	32,177.03					



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

June 29, 2016

To: Municipal Authority  
From: Mark Miller  
RE: Filter Sock Replacement

We need to replace the Filter Sock on the disk filters. Attached is a quote from Aqua-Aerobic Systems Inc. The unit price is \$239.00 each with a shipping freight cost of \$265.00 . This will make a total amount of \$8,869.00

Delivery is approx. 4 weeks out.



AQUA-AEROBIC SYSTEMS, INC.  
A Metawater Company

## AFTERMARKET PROPOSAL # 42238

TO: EAST GOSHEN MUNICIPAL AUTHORITY  
1580 PAOLI PIKE  
WEST CHESTER  
PENNSYLVANIA 19380  
USA

PROJECT: RIDLEY CREEK WWTP UPGRADE, PA  
N/A  
PA  
USA-MUN

PROPOSAL DATE: June 27, 2016

ATTN: MR. MARK MILLER, DIRECTOR OF PUBLIC WORKS

CC:

If billing and/or shipping address is different, please advise.

Qty	Description	Unit Price	Total Price
-----	-------------	------------	-------------

We are pleased to quote, for acceptance within 60 days of this date, prices and terms on equipment listed below. Shipment of equipment will be completed 1 week\* after receipt of purchase order with mutually acceptable terms and conditions, subject to credit approval.

\*Notes: Actual shipment is dependent on equipment availability at the time of receipt of order.

36	FILTER CLOTH SOCK-PILE OptiFiberPA2-13® nylon type Not recommended for chlorine use Part number 2609819	\$239.00	\$8,604.00
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**Notes:**

1. Freight to jobsite is included, FOB Loves Park, Illinois as included in the Pricing Summary, below.
2. Startup supervision is not included.
3. Payable net 30 days from date of shipment subject to credit review, no retainage allowed.
4. State and/or local taxes will be charged unless we receive a valid resale/exemption certificate.

**Pricing Summary:**

**Equipment and/or Accessories:** \$8,604.00

**Freight:** \$265.00

**Total Job Price:** \$8,869.00

Material and/or services not specifically listed in this proposal are not included in the quoted TOTAL JOB PRICE and are to be supplied by others.

Goods quoted above will be sold subject to the terms and conditions of sale set forth on the face hereof and the following pages entitled "Terms and Conditions of Aqua-Aerobic Systems, Inc. (A Metawater Company)": Any different or additional terms are hereby objected to.

## Mark Miller

---

**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

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](mailto: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](mailto:wlaporte@envirep.com)

Click the logo to visit our website:





AQUA-AEROBIC SYSTEMS, INC.  
A Metawater Company

## AFTERMARKET PROPOSAL # 42238

**TO:** EAST GOSHEN MUNICIPAL AUTHORITY  
1580 PAOLI PIKE  
WEST CHESTER  
PENNSYLVANIA 19380  
USA

**PROJECT:** RIDLEY CREEK WWTP UPGRADE, PA  
N/A  
PA  
USA-MUN

**PROPOSAL DATE:** June 27, 2016

**ATTN:** MR. MARK MILLER, DIRECTOR OF PUBLIC WORKS

**CC:**

If billing and/or shipping address is different, please advise.

Qty	Description	Unit Price	Total Price
	We are pleased to quote, for acceptance within 60 days of this date, prices and terms on equipment listed below. Shipment of equipment will be completed 1 week* after receipt of purchase order with mutually acceptable terms and conditions, subject to credit approval.		
	*Notes: Actual shipment is dependent on equipment availability at the time of receipt of order.		
36	FILTER CLOTH SOCK-PILE OptiFiberPA2-13® nylon type Not recommended for chlorine use Part number 2609819	\$239.00	\$8,604.00

**Notes:**

- 1.Freight to jobsite is included, FOB Loves Park, Illinois as included in the Pricing Summary, below.
- 2.Startup supervision is not included.
- 3.Payable net 30 days from date of shipment subject to credit review, no retainage allowed.
- 4.State and/or local taxes will be charged unless we receive a valid resale/exemption certificate.

**Pricing Summary:**

<b>Equipment and/or Accessories:</b>	\$8,604.00
<b>Freight:</b>	\$265.00
<b>Total Job Price:</b>	\$8,869.00

Material and/or services not specifically listed in this proposal are not included in the quoted TOTAL JOB PRICE and are to be supplied by others.

Goods quoted above will be sold subject to the terms and conditions of sale set forth on the face hereof and the following pages entitled "Terms and Conditions of Aqua-Aerobic Systems, Inc. (A Metawater Company)": Any different or additional terms are hereby objected to.



**TERMS AND CONDITIONS OF AQUA-AEROBIC SYSTEMS, INC.****Page 1 of 2**

**This offer and all of the goods and sales of Aqua-Aerobic Systems, Inc. are subject only to the following terms and conditions. The acceptance of any order resulting from this proposal is based on the express condition that the Buyer agrees to all the terms and conditions herein contained. Any terms and conditions in any order, which are in addition to or inconsistent with the following, shall not be binding upon Aqua-Aerobic Systems, Inc. This proposal and any contract resulting therefrom, shall be governed by and construed in accordance with the laws of the State of Illinois, without regard to conflicts of laws principles.**

**PAYMENT**

Unless specifically stated otherwise, quoted terms are Net 30 Days from shipping date. Past-due charges are 1.5% per month and will apply only on any past-due balance. Aqua-Aerobic Systems, Inc. does not allow retainage of any invoice amount, unless authorized in writing by an authorized representative of our Loves Park, Illinois office.

**DURATION OF QUOTATION**

This proposal of Aqua-Aerobic Systems, Inc. shall in no event be effective more than 30 days from date thereof, unless specifically stated otherwise, and is subject to change at any time prior to acceptance.

**SHIPMENT**

Shipping dates are not a guarantee of a particular day of shipment and are approximate, being based upon present production information, and are subject to change per the production schedules existing at time of receipt of purchase order. Aqua-Aerobic Systems, Inc. shall not be responsible for any delay in shipment for causes beyond its control including, but not limited to, war, riots, strikes, labor trouble causing interruption of work, fires, other casualties, transportation delays, modification of order, any act of governmental authorities or acts of God. Quoted shipment dates in this proposal are approximate dates goods will be shipped and, unless agreed to in writing by Aqua-Aerobic Systems, Inc., Buyer may not postpone or delay the dates of shipment of goods from our plant or from our supplier's plants beyond the dates set forth in this proposal.

**TITLE AND RISK OF LOSS**

All prices and all shipments of goods are F.O.B. Aqua-Aerobic Systems, Inc.'s plant at Loves Park, Illinois unless specifically stated otherwise. Delivery of the goods sold hereunder to the carrier shall be deemed delivery to the Buyer, and upon such delivery, title to such goods and risk of loss or damage shall be upon Buyer.

**TAXES**

Prices quoted do not include any taxes, customs duties, or import fees. Buyer shall pay any and all use, sales, privilege or other tax or customs duties or import fees levied by any governmental authority with respect to the sale or transportation of any goods covered hereby. If Aqua-Aerobic Systems, Inc. is required by any taxing authority to collect or to pay any such tax, duty or fee, the Buyer shall be separately billed at such time for the amounts Aqua-Aerobic Systems, Inc. is required to pay.

**INSURANCE**

Unless the goods are sold on a CIF basis, the Buyer shall provide marine insurance for all risks, including war and general coverage.

**SECURITY**

If at any time the financial responsibility of the Buyer becomes unsatisfactory to Aqua-Aerobic Systems, Inc., or Aqua-Aerobic Systems, Inc. otherwise deems itself insecure as to receipt of full payment of the purchase price from Buyer hereunder, Aqua-Aerobic Systems, Inc. reserves the right to require payment in advance or security or guarantee satisfactory to Aqua-Aerobic Systems, Inc. of payment in full of the purchase price.

**LIMITATION OF ACTION**

No action shall be brought against Aqua-Aerobic Systems, Inc. for any breach of its contract of sale more than two years after the accrual of the cause of action thereof, and, in no event, unless the Buyer shall first have given written notice to Aqua-Aerobic Systems, Inc., of any claim of breach of contract within 30 days after the discovery thereof.

**CANCELLATION CLAUSE**

No acceptance of this proposal, by purchase order or otherwise, may be modified except by written consent of Aqua-Aerobic Systems, Inc. nor may it be cancelled except by prior payment to Aqua-Aerobic Systems, Inc. the following sums as liquidated damages therefor: 1) If cancellation is prior to commencement of production and prior to the assumption of any obligations by Aqua-Aerobic Systems, Inc. for any materials or component parts, a sum equal to 15% of the total purchase price; 2) If cancellation is after the commencement of production or after the assumption of any obligations by Aqua-Aerobic Systems, Inc. for any materials or component parts, a sum equal to the total of the direct, out-of-pocket expenses incurred to the date of cancellation for labor, machine time, materials and any charges made to us by suppliers for cancellation, plus 30% of the total purchase price. All charges and expenses shall be as determined by Aqua-Aerobic Systems, Inc. In the event any items are used by Aqua-Aerobic Systems, Inc. to fill a subsequent order, then upon receipt of payment for such order, Aqua-Aerobic Systems, Inc. shall pay the Buyer a sum equal to the direct out-of-pocket expenses previously charged and received from Buyer.

**PROPRIETARY INFORMATION**

This proposal, including all descriptive data, drawings, material, information and know-how disclosed by Aqua-Aerobic Systems, Inc. to Buyer in relation hereto is confidential information intended solely for the confidential use of Buyer, shall remain the property of Aqua-Aerobic Systems, Inc. and shall not be disclosed or otherwise used to the disadvantage or detriment of Aqua-Aerobic Systems, Inc. in any manner.



**TERMS AND CONDITIONS OF AQUA-AEROBIC SYSTEMS, INC.**

Page 2 of 2

**QUALIFIED ACCEPTANCE AND INDEMNITY**

In the event the acceptance of this proposal by Buyer either is contingent upon or subject to the approval by any third party such as, but not limited to, a consulting engineer, with respect to goods, parts, materials, descriptive data, drawings, calculations, or any other matter, then upon such approval by any third party, Aqua-Aerobic Systems, Inc. shall have no liability to Buyer or to any third party so long as the goods sold and delivered by Aqua-Aerobic Systems, Inc. conform to this proposal. In the event any such third party requires modifications in the proposal prior to the approval thereof, Aqua-Aerobic Systems, Inc. may at its sole option and without liability to any party elect to cancel this proposal or return the purchase order to Buyer. In the event Aqua-Aerobic Systems, Inc. elects to modify this proposal to conform to the requirements for approval by any third party, Aqua-Aerobic Systems, Inc. in such event shall have no liability to Buyer or to any third party so long as the goods sold and delivered by Aqua-Aerobic Systems, Inc. conform to this proposal as modified.

Buyer agrees to indemnify and save harmless Aqua-Aerobic Systems, Inc. from and against all costs and expenses and liability of any kind whatsoever arising out of or in connection with claims by third parties so long as the goods sold hereunder conform to the requirements of this proposal as approved by any third party.

**WARRANTY; LIMITATION OF LIABILITY; AND DISCLAIMER**

In return for purchase and full payment for Aqua-Aerobic Systems, Inc. goods, we warrant new goods provided by us to be free from defects in materials and workmanship under normal conditions and use for a period of one year from the date the goods are put into service, or eighteen months from date of shipment (whichever first occurs). If the goods include an "Endura Series" motor, the complete Endura Series unit shall be warranted by Aqua to be free from defects in materials and workmanship under normal conditions and use for three years from the date the product is put into service or 42 months from the date of shipment (whichever occurs first).

**OUR OBLIGATION UNDER THIS WARRANTY IS EXPRESSLY AND EXCLUSIVELY LIMITED** to replacing or repairing (at our factory at Loves Park, Illinois) any part or parts returned to our factory with transportation charges prepaid, and which our examination shall show to have been defective. Prior to return of any goods or its parts to our factory, Buyer shall notify Aqua-Aerobic Systems, Inc. of claimed defect, and Aqua-Aerobic Systems, Inc. shall have the privilege of examining the goods at Buyer's place of business at or where the goods have otherwise been placed in service. In the event this examination discloses no defect, Buyer shall have no authority to return the goods or parts to our factory for the further examination or repair. All goods or parts shall be returned to Buyer, F.O.B. Loves Park, Illinois. This warranty shall not apply to any goods or part which has been repaired or altered outside our factory, or applied, operated or installed contrary to our instruction, or subjected to misuse, chemical attack/degradation, negligence or accident. This warranty and any warranty and guaranty of process or performance shall no longer be applicable or valid if any product, including any software program, supplied by Aqua-Aerobic Systems, Inc., is modified or altered without the written approval of Aqua-Aerobic Systems, Inc. Our warranty on accessories and component parts not manufactured by us is expressly limited to that of the manufacturer thereof.

**THE FOREGOING WARRANTY IS MADE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND OF ALL OTHER LIABILITIES AND OBLIGATIONS ON OUR PART, INCLUDING ANY LIABILITY FOR NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE; AND ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE IS EXPRESSLY DISCLAIMED; AND WE EXPRESSLY DENY THE RIGHT OF ANY OTHER PERSON TO INCUR OR ASSUME FOR US ANY OTHER LIABILITY IN CONNECTION WITH THE SALE OF ANY GOODS PROVIDED BY US. THERE ARE NO WARRANTIES OR GUARANTEES OF PERFORMANCE UNLESS SPECIFICALLY STATED OTHERWISE.**

**UNDER NO CIRCUMSTANCES, INCLUDING ANY CLAIM OF NEGLIGENCE, STRICT LIABILITY, OR OTHERWISE, SHALL AQUA-AEROBIC SYSTEMS, INC. BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES, COSTS OF CONNECTING, DISCONNECTING, OR ANY LOSS OR DAMAGE RESULTING FROM A DEFECT IN THE GOODS. LIMIT OF LIABILITY: AQUA-AEROBIC SYSTEMS, INC.'S TOTAL LIABILITY UNDER THE ABOVE WARRANTY IS LIMITED TO THE REPAIR OR REPLACEMENT OF ANY DEFECTIVE PART. THE REMEDIES SET FORTH HEREIN ARE EXCLUSIVE, AND OUR LIABILITY WITH RESPECT TO ANY CONTRACT OR SALE, OR ANYTHING DONE IN CONNECTION THEREWITH, WHETHER IN CONTRACT, IN TORT, UNDER ANY WARRANTY, OR OTHERWISE, SHALL NOT, IN ANY CASE, EXCEED THE PRICE OF THE GOODS UPON WHICH SUCH LIABILITY IS BASED.**

Final acceptance of this proposal must be given to Aqua-Aerobic Systems, Inc. at their office in Loves Park, Illinois. Please acknowledge acceptance by signing the proposal and returning it to Aqua-Aerobic Systems, Inc.

Accepted by: \_\_\_\_\_

Offer Respectfully Submitted,



Sherry Pike, Customer Service Representative  
Aqua-Aerobic Systems, Inc.

By: \_\_\_\_\_ Date: \_\_\_\_\_

June 28, 2016

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

JUL 5 2016

Re: Water Obstruction and Encroachment  
Permit No. E15-877  
Reservoir Road Pump Station  
APS No. 917398, AUTH No. 1141250  
East Goshen Township  
Chester County

Dear Mr. Smith:

Enclosed is your State Water Obstruction and Encroachment Permit. Please review the permit so that you are aware of the extent of authorization and the conditions that apply to the authorization.

Please be advised this permit does not have Federal authorization for this project and such authorization is required prior to starting your project. We encourage you to contact the U.S. Army Corps of Engineers, 215.656.6728, concerning any Federal permits or approvals you may also need.

Prior to the commencement of construction, the enclosed *Acknowledgment of Appraisal of Permit Conditions* must be completed and signed by the permittee and an individual responsible for the supervision or control of the construction work acknowledging and accepting the general and special conditions, if any, contained in the permit. Unless the signed *Acknowledgment of Appraisal of Permit Conditions* is submitted to this office, the permit is void.

Also, a copy of both the permit and the *Acknowledgment of Appraisal of Permit Conditions* must be available at the work site for inspection upon request by any officer or agent of DEP or any other Federal, State, County, and Municipal agency.

Finally, the Completion Report form must be signed by you and the supervising engineer indicating that the work has been completed as approved. The Completion Report must be submitted to this office within 30 days of the completion of the approved project.

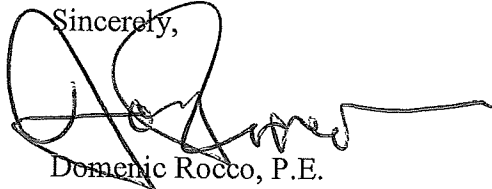
Mr. Rick Smith

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June 28, 2016

If you have any questions concerning this matter, please call Mr. Abdel Nassani at the phone number located in the first page footer.

Sincerely,

A handwritten signature in black ink, appearing to read 'Domenic Rocco', with a long horizontal flourish extending to the right.

Domenic Rocco, P.E.  
Regional Manager  
Waterways and Wetlands

Enclosure

cc: U.S. Army Corps of Engineers  
Mr. Ellis – Pennoni Associates  
Mr. Roth  
Mr. Hohenstein  
Mr. Nassani  
Re 30 (GJS16WAW)169-4a



**FYI**

June 14, 2016

Dear Valued Customer

For more than a century and a half, Gardner Denver has been a trusted partner for the world's most demanding and ever-changing compressed air needs. Gardner Denver strives to deliver the highest value to our customers through innovative product designs, industry leading warranty programs, the highest product quality, and unmatched 24/7 local service and support through our distributor partners.

As the face of Gardner Denver, our dedicated distributors make our promise of reliability and dependability happen. With our commitment to service and support we wish to inform you that Scales Industrial Technologies is no longer an authorized Gardner Denver distributor, effective April 22, 2016.

Our extensive distribution network ensures superior support at a local level, and we are pleased to inform you **D&W Diesel's Industrial Group** will be taking on all Gardner Denver sales, service, and warranty support in your area. D&W Diesel headquartered in Auburn, NY just outside of Syracuse is the parent company of D&W Industrial. With 10 locations throughout the Northeast, D&W provides 24-hour, 7 days a week emergency service to compressed air customers. Their team is ready to assist with your sales, service and technical support needs. Your area in particular will be served through their locations in Binghamton, NY, Albany, NY, Cliffwood, NJ and Philadelphia, PA. The Industrial Group at D&W can be reached using the following contact information:

**866-723-8099**

[industrial@dw Diesel.com](mailto:industrial@dw Diesel.com)

Or visit [www.dwindustrial.com](http://www.dwindustrial.com) for more information



Gardner Denver has an industry leading 10 year warranty that requires an authorized Gardner Denver distributor to administer. Don't miss out on this backing by Gardner Denver and contact your authorized distributor today to ensure your investments are protected for years to come.

We want to thank you for trusting us to be your source for top quality compressed air products and we look forward to doing business with you now and into the future.

Sincerely,

A handwritten signature in black ink, reading "Richard Hinkle".

Richard Hinkle  
Director, Sales & Marketing  
Compressor Technologies | Industrials Group  
Gardner Denver, Inc