#### **EAST GOSHEN MUNICIPAL AUTHORITY**

#### June 13, 2016 6:00 PM

At 6:00 pm, the members of the Authority intend to visit the West Goshen Township Westtown Way Pump Station, located at 837 Falcon Lane, West Chester, PA 19382. Accordingly, there is a chance that regular meeting may not start promptly at 7:00 pm.

#### 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 with DMR's, April and May Reports
- 4. <u>APPROVAL OF MINUTES</u>
  - a. May 9, 2016
- 5. <u>APPROVAL OF INVOICES</u>

a.	Donal Pusey – Easement	\$ 690.00
b.	Pennoni Invoice #692533	\$3,032.25
c.	Pennoni Invoice #692534	\$ 174.25
d.	Pennoni Invoice #692535	\$ 948.75
e.	Pennoni Invoice #692536	\$1,510.50
f.	Pennoni Invoice #692537	\$1,287.00
g.	Pennoni Invoice #692538	\$4,595.75
h.	Pennoni Invoice #692539	\$1,487.00
i.	Gawthrop Invoice#145866	\$1,080.00 Pd.

#### 5. LIAISON REPORTS

#### 6. FINANCIAL REPORTS

- a. May 2016 Report
- b. Annual Report of Municipal Authorities
- c. Audited Financial Statements
- d.

#### 7. OLD BUSINESS

- a. Approval of for request for the connection of 1420 E. Strasburg Road and the 2 new dwelling units.
- b. Authorize Chairman to Execute Easement

#### 8. GOALS

- a. Operate the Ridley Creek Sewer Treatment Plant in compliance with NPDES Permit requirements. *January*, *February*, *March*, *April*
- 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. Develop an operation manual for Ridley Creek Sewer Treatment Plant and pump stations. 943 Cornwallis Drive, 1420 East Strasburg Road
- d. Submit topical articles of interest for the East Goshen newsletter. *Winter, Summer*
- e. Attend West Goshen Municipal Authority meetings to keep informed of planned capital expenditures and operation compliance. *January, February, March, May, June*

#### 9. NEW BUSINESS

- 10. CAPACITY REQUESTS
  - a. 1329 North Chester Road 1 EDU
  - b. 1631 Hunter Circle 1 EDU
- 11. ANY OTHER MATTER
- 12. CORRESPONDENCE AND REPORTS OF INTEREST
- 13. PUBLIC COMMENT
- 14. ADJOURNMENT



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

www.pennoni.com

June 10, 2016

EGMA1601

#### **VIA EMAIL**

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

RE: 2015 Wastewater Treatment and Pumping Facilities Capital Improvement Plan

**West Goshen Township** 

Dear Rick:

As requested, we performed a cursory review of West Goshen's 2015 Wastewater Treatment and Pumping Facilities Capital Improvement Plan dated January 2016 and the 2015 Wastewater Treatment and Pumping Facilities Capital Improvement Plan Status Report dated February 3, 2016, as prepared by HRG. Our review was performed on behalf of the East Goshen Municipal Authority since East Goshen may be responsible for a portion of the costs associated with the proposed West Goshen STP and Westtown Way Pump Station improvements. We have not performed any field visits to the subject facilities nor had discussions with West Goshen's staff or consultant so our review is solely based upon the information presented in the reports.

#### Summary

In summary, it does appear that the proposed work in this Capital Improvement Plan does need to be performed. We recognize that West Goshen needs to complete additional studies prior to setting final priorities and budgets, including the phosphorus reduction study. As proposed in the report, any upgrades that will be required to meet or will be affected by revised TMDL driven limits should be avoided until the TMDL's are set and the revised limits are known.

#### Comments

We offer the following comments for your consideration:

- 1. As part of the overall headworks upgrade, consideration should be given to replacing the fine screen with an upright or vertical bar screen. The accumulation of debris throughout a wastewater treatment can be detrimental to the operation. A headworks upgrade would be a good opportunity to introduce a fine screen.
- 2. A number of plants in the area were constructed prior to the implementation of NFPA 820 Standard for Fire Protection in Wastewater Treatment and Collection Facilities, which was first published in 1990. Prior to its publication, headworks rooms and anaerobic digestion facilities, in particular, were not constructed using these standards. Some facilities were constructed using explosion proof wiring, but others such as the West Goshen plant were not. These standards were developed in response to explosive hazardous, and their recommendations should be implemented as part of any upgrade.

- 3. Under Headworks improvements, there is mention of replacing a control panel and MCC section. We would suggest that this equipment would be also moved to the Headworks Electrical Room.
- 4. Consideration should be given to a positive ventilation system for the Headworks Electrical Room.
- 5. Our experience with the Grit King is good. Derry Township has also implemented the Grit King with the same success. It may be difficult to install two Grit Kings for the peak flow of 15 MGD. Consideration should be given to one Grit King with a bypass of flows above 6.5 MGD.
- 6. Consideration should be given to budgeting for the replacement of clarifier drives. Also, each clarifier scrapper mechanism should be inspected for repair and recoating or replacement.
- 7. Anaerobic Digestion does have the potential for a substantial disposal cost savings as compared to other aerobic digestion. Anaerobic digestion would also produce a Class B sludge. The only Aerobic Digestion that could be guaranteed to produce a Class B sludge is the ATAD process. Prior to embarking on a particular process, we would recommend that Life Cycle Costs be considered. Anaerobic Digestion with the correct sludge storage, mixing, and management can be very effective. As eluded to in the report, part of the analysis needs to be any future effect that the TMDL determination may have.
- 8. The Aeration Basin Improvement Cost estimate seems low for the proposed upgrades.
- 9. At this time, we do not have an opinion of the merits of the Volute Press. The pilot test does seem encouraging.
- 10. Electrical upgrades for a plant of this vintage are unavoidable. Other plants in the area constructed around the same time have replaced or upgraded main transformers, emergency generators, and other electrical gear.
- 11. For the electrical service alternatives, we have been implementing the Utility Maintained Service in Lower Merion. The rate structure incentives for taking medium voltage and owning the main transformer have gone away over the years.
- 12. The report mentions providing a connection for a temporary generator. Consideration should be given to using smaller generators that could be synchronized. If one of the generators is lost, then there would be at least partial power available. For a load of this size, there may be a monthly payment to maintain access to a rental generator.

If you have any questions or need additional information, please call.

Sincerely,

PENNONI ASSOCIATES INC.

Michael J. Ellis, PE

Municipal Authority Engineer

cc: Mark Miller, Public Works Director (via email)
Nate Cline, PE, Township Engineer (via email)
Tim Daily, PE, Pennoni (via email)

# Manch 6-13-16 6 PM

# PARKING

Map

COUNTY OF CHESTER



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Map Created: Thursday, June 09, 2016

County of Chester

the completeness, accuracy, or content of any data contained herein, and makes no presentation of any kind, including, but not limited to, the warmaties of merchantability or fitness for a particular use, nor are any such warmaties to be implied or inferred with respect to the information or dut a fundshed herein. For information on data sources visit the OIS Services page listed at www.chesco.org/gis. Limitations of Liability and Use: County of Chester, Pennsylvania makes no claims to

1 inch = 100 feet

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The existing medium voltage service is owned/maintained by the Authority/Township. The service should be replaced. One option is to replace the medium voltage gear in kind, and West Goshen will retain ownership and maintenance responsibilities for the service. The second option would be to convert the station to receive secondary power from the utility, transferring ownership and maintenance to the utility. The first option has a higher up-front capital investment, while the second option would have a smaller initial cost with higher periodic costs to the utility. Given the fact that West Goshen must subcontract the maintenance work, it is recommended that the conversion to secondary power be done.

Table 6-7 Washington Street Cost Estimate

IMPROVEMENTS	COST
General	\$126,500
Site Work	\$15,500
Pump Building	\$139,750
Wet Well	\$83,100
Electrical/Controls	\$425,500
Total with Contingencies	\$988,000

#### 6.8 #13 WESTTOWN WAY

The Westtown Way Pump Station is a dry pit submersible style pump station constructed in the late 1970's. The pump station structure consists of a single brick masonry building containing a concrete dry well and an exterior concrete wet well that shares a common wall with the building.

This pump station was initially constructed as a duplex style station with shaft driven pumps with provisions for the installation of a third pump in the future. It is unknown when the third of pump was installed, but in the current pumps were installed in 2001. The current pumps consist of two – shaft driven pumps and one dry pit submersible pump. The wet well initially contained an influent comminutor, this has since been replaced with a hydraulic driven influent sewage grinder. According to the West Goshen Chapter 94 Report for 2014, this pump station has a capacity of 5,400 gpm or (7,776,000 gallons per day [gpd]) and the projected 2-Year Max Daily Flow capacity is 61%.

Based on HRG's review of the pump station and through discussion with the Township Staff, the following deficiencies were noted at the Westtown Way Pump Station and proposed repairs and rehabilitation items are listed below:

- The current means and method of pump and motor removal at the pump station is very difficult as the floor openings are not located above the pumps. This requires Township Staff to have to maneuver the pumps and motors horizontally in order to lift the pumps out. Township Staff reported that an employee was injured during this work in the past. The installation of a pump removal system similar to that installed at Taylor Run Pump Station should be considered. For purposes of this Plan we have not included an estimated cost of this system. A study must be performed to determine the structural requirements needed for the pump removal system and what if any improvements must be made to the building to support it.
- The wet well contains raw waste which results in a NEC Class I Div. I hazardous area electrical classification. The electrical lighting in the wet well is not rated for use in

hazardous areas. In addition, significant corrosion of the electrical components in the wet well was observed.

- o Proposed improvement Upgrade electrical equipment in the wet well to meet hazardous area requirements.
- o Concrete and ferrous metal deterioration from exposure to hydrogen sulfide gas was observed in the wet well. Further investigation is needed to determine the extent of the concrete deterioration throughout the wet well.
- Proposed improvement Complete investigation to determine full extent of concrete and ferrous metal deterioration. Repair deteriorated concrete and possibly add liner to prevent future deterioration. Repair and replace ferrous metal as necessary and coat/paint to prevent future deterioration.
- Township Staff reported and HRG observed grease accumulation in the wet well.
   Operation staff noted that they currently pump down the wet well and try to pump the grease to the WWTP.
  - Proposed improvement Investigate requiring/enforcing grease removal at establishments to remove grease before it enters the wastewater collection system. Also investigate the installation of a wet well mixing system to keep grease in suspension in the wastewater and prevent from accumulating in the wet well.

Township Staff noted that they have discovered significant amounts of grit settling out in the influent channel and interceptor piping upstream of the pump station. The headloss associated with the influent sewage grinder can cause water to backup into the interceptor piping.

- Proposed improvement Relocation of the influent sewage grinder to the end of the influent channel to reduce the headloss impact. This may require the installation of new a new railing system to support the sewage grinder.
- The existing windows in the building are original. The building is heated in the winter and upgrading of these facilities to new energy efficient units would be beneficial.



Figure 6-9 Westtown Way Equipment

- o Proposed improvement Replace existing windows.
- All HVAC equipment in the building is original and Township Staff reports that various units no longer function.

- o Proposed improvement Repair, replace and upgrade existing HVAC equipment. Block in any building penetrations no longer needed.
- HRG observed infiltration on the pump level of the dry well at various locations.
  - Proposed improvement Seal leaking wall penetrations.
- Township Staff reported that the floor drain piping in the building is no longer functioning and that they have tried to unclog it but have been unsuccessful.
  - Proposed improvement Cut new floor drain piping into the floor.
- Township staff reported that the existing force main discharge gate valve has failed in the open position and can no longer close when necessary.
  - o Proposed improvement Replace existing valve with a new gate valve. This will require the installation of a temporary line stop or new valve outside of the pump station in order to prevent wastewater from draining out of the force main. In addition, a means of maintaining flow through the pump station during this work must be provided.
- The existing emergency generator is original to the pump station. Township staff have requested that the existing generator be replaced and prefer the installation of an exterior rated emergency generator. The Authority's CES recommended replacement of the existing generator.
- The existing diesel fuel tank for the emergency generator is located outside above the wet well. If the emergency generator is replaced with an exterior rated unit, a subbase fuel tank can be combined into the base for the new generator.
- Township staff reported and HRG confirmed with the equipment representative that the existing Safetronics VFDs are no longer supported by the manufacturer and obtaining parts to repair is very difficult.
  - o Proposed improvement Install new VFDs.
- The existing electrical motor control center (MCC) appear to be original to the station and Township staff have requested replacement of the existing MCC. Replacement of the electrical MCC should be considered.
- A method of monitoring flows through the pump station should be provided.
  - o Proposed improvements Install discharge flow meter. Due to configuration of pump header discharge piping in the dry well, the installation of a standard magnetic flow meter may not be possible due to straight pipe requirement before and after the meter, but a Toshiba Mount Anywhere magnetic flow meter which doesn't have the same straight pipe requirements could be installed.
- Gas detection equipment (to verify suitable atmosphere) was not observed in the wet well. Operations staff frequently enter these areas when checking and maintaining the pump station.

- o Proposed equipment Install gas detection equipment in the wet well.
- The existing pumps were installed in 2001. Mechanical equipment typically has an expected service life of 20 years. Replacement of these pumps due to age within the next five years is not anticipated, however the pumps will be approaching 20 years at the end of five years. Township staff have been transitioning from shaft driven pumps to dry pit submersible style pumps as pump stations are upgraded. Future upgrades to this station should consider evaluating this transition here as well. Township staff have also noted that due to the high head operating conditions associated with this pump station, the switching to series pumping (6 total pumps) may be beneficial. A study to evaluate the effectiveness of switching to a series pumping configuration would have to be performed.
- Installation of a pump station force main bypass connection should also be considered. The bypass connection allows the ability to use the existing force main through use of a bypass pump(s) in the event that the existing pumps are inoperable, and the ability to use the existing pumps to through use of pump and haul or a temporary force main in the event the existing force main is inoperable.
- Holes in the existing chain link fence fabric around the electrical switchgear were observed and should be repaired or new fence fabric installed.
- Consider installation of a data logger or influent flow meter to monitor influent flows to the pump station.
- The existing medium voltage service is owned/maintained by the Authority/Township. The service should be replaced. One option is to replace the medium voltage gear in kind, and West Goshen will retain ownership and maintenance responsibilities for the service. The second option would be to convert the station to receive secondary power from the utility, transferring ownership and maintenance to the utility. The first option has a higher up-front capital investment, while the second option would have a smaller initial cost with higher periodic costs to the utility. Given the fact that West Goshen must subcontract the maintenance work, it is recommended that the conversion to secondary power be done.
- The louver over the wet well should be modified so the base of the louver is more than 18 inches above the top of the wet well tank. The louver size can be reduced, as it is currently sized to allow aspiration of the indoor generator. If the indoor unit is replaced with an outdoor unit, the louver size can be reduced.

Table 6-8 Westłown Way Cost Estimate

IMPROVEMENTS	COST
General	\$199,000
Site Work	\$5,500
Pump Building	\$590,800
Wet Well	\$109,900
Electrical/Controls	\$382,500
Total with Cont	ingencies \$1,610,000



369 East Park Drive Harrisburg, PA 17111 Phone: (717) 564-1121 Fax: (7171) 564-1158

# OPINION OF PROBABLE CONSTRUCTION COST ESTIMATE FOR

# PUMP STATION NO. 13 - WESTTOWN WAY IMPROVEMENTS CAPITAL IMPROVEMENTS PLAN

#### WEST GOSHEN PUMPING FACILITIES

#### DECEMBER 2015

	DECEMBER 2						
ITEM NO.	DESCRIPTION	EST. QTY.	UNIT	U	NIT COST		EXTENSION
	GENERAL						
1	MOBILIZATION AND PROJECT MANAGEMENT (5%)	1	L.S.	\$		\$	54,500.00
2	BONDS & INSURANCES (2%)	1	L.S.	\$		\$	21,800.00
3	DEMOLITION (3%)	1	L.S.	\$	32,700.00	\$	32,700.00
4	BYPASS PUMPING	30	DAY	\$	3,000.00	\$	90,000.00
T	SITE			•			
5	E&S CONTROL	1	L.S.	\$	2,500.00	\$	2,500.00
	Las donnes						
6	CHAIN LINK FENCE REPAIRS AROUND SWITCHGEAR	1	L.S.	\$	1,000.00	\$	1,000.00
7	VEGATATIVE RESTORATION	1	L.S.	\$	2,000.00	\$	2,000.00
	PUMP BUILE	ING					
8	REPLACE WINDOWS	1	L.S.	\$	3,000.00	\$	3,000.00
	REFLACE WINDOWS						
0	BLOCK-IN ABANDONED HVAC VENTILATION LOUVERS	. 1	L.S.	\$	6,000.00	\$	6,000.00
9	REPLACE ALL HVAC EQUIPMENT	1	L.S.	\$	40,000.00	\$	40,000.00
10	REPAIR FLOOR DRAIN PIPING	1	L.S.	\$	5,000.00	\$	5,000.00
11	250 HP DRY PIT SUBMERSIBLE PUMP	3	EA.		147,525.00	\$	442,575.00
12	INSTALL 16" MAG METER AND CHART RECORDER	1	L.S.	\$	17,250.00	\$	17,250.00
13	PUMP REMOVAL SYSTEM FLOOR OPENINGS AND STEEL		<del>                                     </del>	Ť			
	l .	1	L.S.	\$	32,000.00	\$	32,000.00
14	SUPPORTS NUMBER PORT HOUST	1	L.S.	\$	36,000.00	\$	36,000.00
15	OVERHEAD WIRE ROPE HOIST		1 2.5.	Ť	30,000.00	7	
	REPAIR WATER INFILTRATION FROM WET WELL IN DRY	1	L.S.	\$	5,000.00	\$	5,000.00
16	WELL	1	L.S.	\$	4,000.00	\$	4,000.00
17	PUMP STATION DATA LOGGER WET WE	<u> </u>	1	1 7	-1,000100	<u> </u>	· · · · · · · · · · · · · · · · · · ·
		1	L.S.	\$	10,900.00	\$	10,900.00
18	PROVIDE COMBUSTIBLE GAS DETECTOR IN WET WELL	420	S.F.	\$	150.00	\$	63,000.00
19	CONCRETE CRACK/SPALLING REPAIRS	1	L.S.	\$	2,000.00	\$	2,000.00
20	REPAIR/REPLACE CAST IRON DRAIN PIPING	1	L.S.	\$	24,000.00	\$	24,000.00
21	NEW WET WELL MIXING SYSTEM	<del>                                     </del>	L.3.	1 7	24,000.00	٧	
	ADJUST INFLUENT SEWAGE GRINDER TO HELP		L.S.	\$	7,500.00	\$	7,500.00
22	MINIMIZE GRIT DEPOSITION	1	L.S.	13	7,300.00	٦	7,300.00
	NEW ACCESS HATCH ABOVE INFLUENT SEWAGE	,	L.S.	\$	2,500.00	\$	2,500.00
23	GRINDER	1	1.5.	٦	2,300.00	17	2,300.00
	ELECTRICAL/CO		1 16	1 6	20,000.00	\$	20,000.00
24	DEMOLITION OF EXISTING ELECTRICAL	1	LS	\$   \$	1,500.00	\$	1,500.00
25	XP LED LIGHTING IN WETWELL	1	LS		10,000.00	\$	10,000.00
26	REPLACEMENT OF INTERIOR LIGHTS WITH LED	1 1					30,000.00
27	1000A SERVICE ENTRANCE RATED ATS, 480Y/277V	1 1	LS	\$		_	38,000.00
28	250HP VFD	3	EA	\$			3,000.00
29	EMERGENCY SHUT DOWN SWITCHES FOR PUMPS	11	LS	\$	3,000.00	\$	5,000.00
				١.	or coo co	۱,	25 000 00
30	NEW POWER DISTRIBUTION PANELS TO REPLACE MCC	1	LS	\$			25,000.00
31	XP RATED CONDUIT & WIRING IN WETWELL	1	LS	\$			5,000.00
32	500KW OUTDOOR GENERATOR	1	LS	_  \$	160,000.00	\$	160,000.00

33	GENERATOR PLATFORM TO RAISE ABOVE FLOOD PLAIN	1	LS	\$ 30,000.00	\$	30,000.00
	OPTION 1 FOR NEW ELECTRICAL SERVICE: NEW					
34	MEDIUM VOLTAGE SERVICE GEAR	1	LS	\$ 150,000.00		
	OPTION 2 FOR NEW ELECTRICAL SERVICE: NEW					
35	SECONDARY SERVICE AT 480Y/277V	1	LS	\$ 60,000.00	\$	60,000.00
		/		SHRTOTAL	¢	1 227 725 00

 SUBTOTAL
 \$ 1,287,725.00

 CONTINGENCY (25%)
 \$ 321,931.25

 TOTAL
 \$ 1,609,656.25

 SAY
 \$ 1,610,000.00

#### **ASSUMPTIONS:**

Concrete crack/spalling repairs - Assumes 6 V.F. of concrete around wet well walls to be repaired. Assumes building floors can support new openings directly over pumps to allow for pump removal.

#### EAST GOSHEN MUNICIPAL AUTHORITY EAST GOSHEN TOWNSHIP

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

June 10, 2016

To:

**Municipal Authority** 

From:

Mark Miller

Re:

May 2016 Monthly Report

**Monthly Flows:** 

The average daily flow to West Goshen was 860,000.

**Meters:** 

The month was relatively uneventful; the meters pumping stations were visited on a regular basis, I'm happy to report that 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.

**<u>Hunt Country Pump:</u>** Was visited on a daily basis.

C.C. Collection:

As I stated above the stations were checked on a daily basis with no 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 new generator. I have sent letters out to the two neighbors asking to meet with them to answer any questions that 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 down. 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 addition 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 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 May.



#### MEMORANDUM

TO:

East Goshen Municipal Authority Board

Rick Smith, Township Manager

FROM:

Michael Ellis, P.E.

**Authority Engineer** 

DATE:

June 10, 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 anticipate submitting the application to PADEP by early July.

#### **Reservoir Road 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 plans to address comments from the Chester County Conservation District (CCCD) and resubmitted it on June 7, 2016.
- The Water Quality Management (WQM) 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 Manual

Limited activity since the last report.

#### **EGMA 1601**

#### White Chimneys and 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.

#### White Chimneys Manhole Replacement

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

#### Semi-Annual I&I Reports

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

#### Sunoco Pipeline

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

#### West Goshen Capital Improvements Plan

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

#### **New Connections**

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



Monthly Operations Report: April 2016

#### **Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during March 2016. Discharge to Applebrook was discontinued during March. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. The sludge grinder was removed and sent to Deckman Electric for replacement of the head and shear plate assembly. No mechanical or operational issues were observed regarding the centrifuge sludge dewatering equipment.

#### **Treatment Process Operation**

During March 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 0.23 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 March 2016 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.18 mg/L to 0.27 mg/L.

Table 1

	Mai	rch 20	16 - Fi	nal Ef		t - Oı	ıt Fall	001			
	Flow		CBOD <sub>5</sub> TSS		NH <sub>4</sub> -N		Phosphorus,Total		Fecal Coliform		
NPDES Permit Discharge Limitations	MGD Average	mg/L 20	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L 0.5	lbs/ month	Geo Mean 200	Geo Mean 1,000
	Instantaneous Maximum	40	123	42	131	,	44	0.3	3	200	1,000
Sample Date					20 No. 20						
March 1, 2016	0.403	2.6	8.7	4	13	3.48	11.70	0.24	0.81	1	0.0000
March 3, 2016	0.425			2	7						
March 8, 2016	0.398	2.6	8.6	3	10	0.250	0.83	0.18	0.60	1	0.0000
March 10, 2016	0.339			2	6						
March 15, 2016	0.384	2.4	7.7	4	13	0.146	0.47	0.20	0.64	1	0.0000
March 17, 2016	0.406			1	3						
March 22, 2016	0.341	2.6	7.4	2	6	0.168	0.48	0.26	0.74	1	0.0000
March 24, 2016	0.311			2	5						
March 29, 2016	0.351	3.5	10.2	4	12	0.572	1.67	0.27	0.79	2	0.3010
March 31, 2016	0.302			2	5						
Average	0.366	2.7	8.5	3	8	0.923	3.03	0.23	0.71	1	0.0602
Minimum	0.302	2.4	7.4	1	3	0.146	0.47	0.18	0.60	1	0.0000
Maximum	0.425	3.5	10.2	4	13	3.480	11.70	0.27	0.81	2	0.3010



Monthly Operations Report: April 2016

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

Table 2

	TOOLO 2										
	ſ	March	2016	- Influ	ient V	Vasto	ewate	r			
	Flow	BOD <sub>5</sub>		TSS		NH₄-N		TKN, mg/L		Phosphorus,Total, mg/L	
Design Basis		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							,				
March 1, 2016	0.518	104	449	73	315	27.7	120	35.5	153	2.9	13
March 8, 2016	0.512	147	635	168	725	30.9	133	35.9	153	4.3	19
March 15, 2016	0.520	138	596	420	1,813	24.7	107	29.6	128	3.2	14
March 22, 2016	0.461	176	760	189	816	29.4	127	42.0	162	4.8	21
March 29, 2016	0.446	220	950	227	980	34.8	150	42.0	156	4.4	19
Average	0.491	157	610	215	917	29.5	122	35.8	149	3.9	16
Minimum	0.446	104	449	73	315	24.7	107	29.6	128	2.9	13
Maximum	0.520	220	760	420	1813	34.8	133	42.0	162	4.8	21

Table 3 presents the available Outfall 001 final effluent data for the month of April 2016. During April, the presence of foam conditions on the surface of the SBRs remained consistent with the previous month with foam concentrations ranging from 10% to 25% 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 April, there are no anticipated exceedances of the permitted limitations for Outfall 001. There was no discharge from outfall 002. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results. Brickhouse Environmental collected ground water monitoring well samples from the Applebrook site.



Monthly Operations Report: April 2016

Table 3

	Ар	ril 201	l6 - Fin	al Eff		- Ou	t Fall	001			
	Flow	СВО	OD₅	TSS NH <sub>4</sub> -N		Phosphorus,Total , mg/L		Fecal Coliform			
NPDES Permit Discharge Limitations	MCD Average	/I	lbs/	mall.	lbs/	mall.	lbs/	ma li	lbs/	Geo	Geo
0.	0.75	mg/L 20	month 125	mg/L 10	month 131	mg/L 7	month 44	mg/L 0.5	month 3	Mean 200	Mean 1,000
	Instantaneous		469		202			0.0			-1000
	Maximum	40		42							
Sample Date											
April 5, 2016	0.361	2.4	7.2	1	3	0.55	1.66	0.10	0.30	4	0.6021
April 7, 2016	0.402			2	7						
April 12, 2016	0.326	2.0	5.4	6	16	0.848	2.31	0.12	0.33	1	0.0000
April 14, 2016	0.339			4	11						
April 19, 2016	0.304	2.0	5.1	5	13	0.409	1.04	0.15	0.38	5	0.6990
April 21, 2016	0.371			6	19						
April 26, 2016	0.279				0			0.16	0.37		
April 28, 2016	0.293				0						
Average	0.334	2.1	5.9	4	9	0.602	1.67	0.13	0.34	3	0.4337
Minimum	0.279	2.0	5.1	1	0	0.409	1.04	0.10	0.30	1	0.0000
Maximum	0.402	2.4	7.2	6	19	0.848	2.31	0.16	0.38	5	0.6990

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

Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during April 2016.



# Monthly Operations Report: April 2016

#### Table 4

	Flow		2016 - DD <sub>5</sub>		SS S		l <sub>4</sub> -N		, mg/L		rus,Total, g/L
Design Basis		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					1						
April 5, 2016	0.452	150	566	107	404	35.5	134	55.3	209	4.1	15
April 12, 2016	0.435	169	637	116	437	30.8	116	37.2	135	3.7	14
April 19, 2016	0.458	115	434	69	260	33.0	124	37.1	142	5.7	21
April 26, 2016	0.401										
Average	0.437	145	546	97	367	33.1	125	43.2	162	4.5	17
Minimum	0.401	115	434	69	260	30.8	116	37.1	135	3.7	14
Maximum	0.458	169	637	116	437	35.5	134	55.3	209	5.7	21

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during March and April. Preparations to place SBR 2 were initiated during late March. Minor repairs to SBR 2 were initiated during April and will be completed during mid-May. Repairs to SBR include:

- ✓ Drain the remaining water from the SBR
- ✓ Replacement of two (2) decanter valves
- ✓ Replacement of the 1-inch PVC aluminum sulfate feed pvc piping within the SBT tank
- ✓ Reinstall the dissolved oxygen probe
- ✓ "Wire" the waste activated sludge pump check valve to allow transfer of the contents from SBR 4 into SBR 2.

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.



Monthly Operations Report: April 2016

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs increased to from 70.3 gpd to 74.0 gpd. Soda ash daily addition increased from 417 lbs/day to 466 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: April 2016

Sludge Dewatering Summary						
Gallons of sludge dewatered	158,475					
Number of dumpsters	2-1/2					

<sup>\*</sup>Eleven (11) days of centrifuge operation

#### Flow data:

	April 2	016	
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	13.097	436,577	526,710
Influent Wastewater to SBRs	13.459	448,629	562,304
Internal Recycle	0.509	18,991	50,106
Treated Effluent to Disc Filters	13.099	436,640	522,304
Final Effluent Discharge	9.921	330,700	402,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

#### **Chemical Usage:**

	April 2016	
Chemical	Daily Average	<b>Total Monthly</b>
Soda Ash	466	13,900
Aluminum Sulfate solution	74.0	2.221
Polymer (centrifuge)	0.84	15.12

<sup>\*</sup>Eleven (11) days of centrifuge operation

During April, 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.



Monthly Operations Report: April 2016

Sludge holding tank No. 1 was in service. The sludge levels were not measured and recorded as the result of a failed pressure transducer. The level pressure transducer was replaced with a sonar level sensor. Allied Control Systems (ACS) has been contacted to adjust the level range within the plc program. The levels are measured locally at the tank, rather than through the Filter Feed Control panel. The average total solids concentration was 0.80%. Zero gallons of supernatant were decanted during the month. Zero pounds of soda ash were added.

Sludge holding tank No. 2 was in service. Zero pounds of soda ash were added. Zero gallons of supernatant were decanted. Testing was limited as a result of shutting down the solids dewatering operation on April16th to sending the sludge grinder for rebuild.

#### PA DEP

No activity

#### Significant Storm/Hydraulic Loading Events

During April, there was one (1) storm event resulting in a daily precipitation amount equal to or greater than 0.4 inches measured during a 24 hour period. A total of 2.98 inches of rainfall were measured during the month. This event occurred on the following dates:

April 7<sup>th</sup>: 0.48 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

April 16<sup>th</sup>: Removed sludge grinder for rebuild at Deckman Electric.

April 27-30<sup>th</sup> 2016: Initiated replacement of the quartz sleeves, UV lamps, lamp

O-rings, and wiper O-rings and quartz sleeve O-rings for bank

number 1



Monthly Operations Report: May 2016

#### **Executive Summary**

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during April 2016. Discharge to Applebrook was discontinued during May. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed regarding the SBR treatment process or centrifuge sludge dewatering equipment.

#### **Treatment Process Operation**

During April 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 0.13 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 April 2016 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.10 mg/L to 0.16 mg/L.

Table 1

April 2016 - Final Effluent - Out Fall 001											
	Flow	CBOD₅		TSS NI		Pho NH₄-N		Phosphorus,Total , mg/L		Fecal Coliform	
NPDES Permit Discharge Limitations	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											
April 5, 2016	0.361	2.4	7.2	1	3	0.55	1.66	0.10	0.30	4	0.6021
April 7, 2016	0.402			2	7						
April 12, 2016	0.326	2.0	5.4	6	16	0.848	2.31	0.12	0.33	1	0.0000
April 14, 2016	0.339			4	11						
April 19, 2016	0.304	2.0	5.1	5	13	0.409	1.04	0.15	0.38	5	0.6990
April 21, 2016	0.371			6	19						
April 26, 2016	0.279	2.0	4.7	4	9	0.61	1.41	0.16	0.37	12	1.0792
April 28, 2016	0.293			3	7						
Average	0.334	2.1	5.6	4	11	0.603	1.60	0.13	0.34	4	0.5951
Minimum	0.279	2.0	4.7	1	3	0.409	1.04	0.10	0.30	1	0.0000
Maximum	0.402	2.4	7.2	6	19	0.848	2.31	0.16	0.38	12	1.0792



Monthly Operations Report: May 2016

Table 3

	Table 3										
May 2016 - Final Effluent - Out Fall 001											
NDDF0 D	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus,Total , mg/L		Fecal Coliform	
NPDES Permit			lbs/	,	lbs/		lbs/	,	lbs/	Geo	Geo
Discharge Limitations		mg/L	month	mg/L	month	mg/L	month	mg/L	month	Mean	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						10.2.10
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										
May 26, 2016	0.310			2	5						
May 31, 2016	0.325										
Average	0.329	2.5	7.1	5	13	0.430	1.24	0.13	0.36	5	0.7195
Minimum	0.280	1.4	3.8	2	5	0.278	0.73	0.10	0.31	1	0.0000
Maximum	0.375	3.1	9.6	7	19	0.595	1.85	0.18	0.47	12	1.0792

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

Table 4 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during May 2016.



Monthly Operations Report: May 2016

Table 4

		May 2	2016 -	Influe	ent W	aste	water				
	Flow	ВС	BOD <sub>5</sub>		TSS		NH₄-N		, mg/L	Phosphorus,Total, mg/L	
Design Basis		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
, co escara	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date									·		т
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
May 17, 2016	0.458	173	667	206	794	32.7	126	44	168	4.3	17
May 31, 2016	0.434										
Average	0.445	172	661	190	733	32.1	124	41.3	155	3.0	12
Minimum	0.426	161	620	142	547	29.7	114	38.3	148	0.1	0
Maximum	0.462	181	697	223	859	34.0	131	44.0	168	4.7	18

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during April and May. Preparations to place SBR 2 were initiated during late March and completed on June 9, 2016.

Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs increased from 74.0 gpd to 89.2 gpd. Soda ash daily addition increased from 466 lbs/day to 534 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.



Monthly Operations Report: May 2016

# Solids Dewatering and Disposal: May 2016

Sludge	Dewatering Summary	
Gallons of sludge dewatered	153,817	
Number of dumpsters	4	

<sup>\*</sup>Seventeen (17) days of centrifuge operation

Flow data:

low data:	May 20	)16	
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	13.968	450,588	678,050
Influent Wastewater to SBRs	14.301	461,313	623,424
Internal Recycle	0.791	24,731	115,062
Treated Effluent to Disc Filters	14.189	457,705	594,240
Final Effluent Discharge	10.536	339,871	480,000
Applebrook Golf Course	No Discharge	No Discharge	No Discharge

#### Chemical Usage:

May 2016						
Daily Average	<b>Total Monthly</b>					
534	16,000					
89.2	2.766					
0.84	23.4					
	Daily Average 534					

<sup>\*</sup>Eleven (11) days of centrifuge operation

During May, sludge wasting to the sludge holding tanks and decanting of the sludge holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids. Sludge holding tank No. 1 was in service. The sludge initial level was 16.19 feet with 10.11 feet at the end of the month. The average pH concentration was 6.41 S.U., total alkalinity average of 135 mg/L and total solids concentration was 1.09%. Zero gallons of supernatant were decanted during the month. Five hundred (500) pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The sludge initial level was 10.17 feet with 11.54 feet at the end of the month. The average pH concentration was 7.09



Monthly Operations Report: May 2016

S.U., total alkalinity average of 280 mg/L and total solids concentration was 0.77%. Zero gallons of supernatant were decanted during the month. Five hundred (500) pounds of soda ash were added. The sludge emitted an odor around May 17<sup>th</sup> and was corrected by May 24<sup>th</sup>. The source of the odor was the result on an aging sludge resulting from the centrifuge removed from service to repair the sludge grinder.

#### PA DEP

No activity

#### Significant Storm/Hydraulic Loading Events

During May, there were four (4) 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 5.07 inches of rainfall were measured during the month. The events occurred on the following dates:

- May 2<sup>nd</sup> 0.63 inches
- May 6<sup>th</sup> 1.07 inches
- May 21<sup>st</sup> 0.89 inches
- May 29<sup>th</sup> 0.67 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

# May 5th

Lenni Electric replaced a failed UPS unit in Filter Feed control panel. Replaced unit

Troubleshoot UV panel message "Insufficient Banks Enabled". Both bank #1 and #2 are in automatic mode. Reset alarm.

Replaced all quartz sleeve, UV lamps, O-ring, and wiper O-ring for UV bank 1. This bank has been in-service since 2010.

# May 17th

Brad Baltzell from Integrated Controls Inc. (SBR Control System) stopped by the. The Flow Proportional Single Board Computer (FPSBC), which is essentially the



Monthly Operations Report: May 2016

brain that does all of the calculations regarding the SBR steps, is becoming antiquated. If the current FPSBC were to fail, it would be replaced by the newest version which they call the SBRC. This new unit keeps electronic reports on an internal flash drive which is viewable via a built in web page. That would also allow remote viewing. This is essentially the brain of the whole process, and the whole SBR process would be down without it.

#### May 25<sup>th</sup>

All of the new radar level controllers have been installed and working properly.

John Laidley met with Joe Commons from ACS to modify the plc program so we now have access to the calibration of the EQ and Digester Levels.

The Level transducer signal for EQ tank 2 and found that the field wires between the transducer and the ACS Filter Control Panel is shorted. They did not find were it was located. After installing the new transducer, John Laidley found the short and repaired it. The EQ # 2 was still not showing up on the ACS display screen. John verified the signal is going into the PLC via the 16 Channel Analog Input Module.

It is most likely that The Input is bad (Digital Input #4). The plant may have been hit with a power surge to cause both problems. A replacement analog module is scheduled for replacement.

1	Draft								
2	EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY								
3	MEETING MINUTES								
4	May 9, 2016								
5	May 9, 2010								
6	The East Goshen Township Municipal Authority held their regular public meeting on Monday,								
7	May 9, 2016 at 7:00 pm at the East Goshen Township building. Members in attendance were:								
8	Chairman Dana Pizarro, Jack Yahraes, Ed McAssey, and Phil Mayer. Also in attendance were:								
9	Rick Smith (Township Manager), Mike Ellis (Pennoni), and Jessica Wiesak (Attorney).								
10									
11	COMMON ACRONYMS:								
12 13	BFES – Big Fish Environmental Services MA-Municipal Authority								
13	BOS – Board of Supervisors NPDES – National Pollutant Discharge Elimination System CB – Conservancy Board PC – Planning Commission								
15	DUD B								
16	DEP – Department of Environmental Protection PM – Prevention Maintenance EPA – Environmental protection Agency PR – Park & Recreation Board								
17	HC – Historical Commission RCSTP – Ridley Creek Sewer Treatment Plant								
18	1&1 – Inflow & Infiltration SBR – Sequencing Batch Reactor								
19	LCSTP – Lockwood Chase Sewer Treatment Plant SSO – Sanitary System Overflow								
20	WAS – Waste Activated Sludge								
21 22	C-114. O 1 0 D1 1 0 4 2 4								
23	Call to Order & Pledge of Allegiance								
23 24	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 the troops and all veterans.								
25 26	Dana asked if anyone would be recording the meeting. There was no response.								
20 27									
28	CHAIRMAN'S/MEMBERS REPORTS  1. Jack the West Goshen Sewer Authority meeting. They need to rebuild a station new tha								
29	the first solution of flathority modeling. They need to reduing a station new the								
30	reservoir, there is an eagle's nest in the generators, and out of the 3 pumps at the								
	Westtown pump station only 1 is working.								
31	Common D								
32	Sewer Reports								
33 34	1. Director of Public Works, Mark Miller provided the following report for April:								
	Monthly Flows: The average daily flow to West Goshen was 895,493 gallons per day.								
35 26	Meters: The meters were read on a daily basis. We had a problem at the Wilson Drive								
36	meter when the modem failed.								
37	Chester Creek Pump: The pumping stations were visited on a routine basis with no								
38	problems to report.								
39	Hunt Country Pump: It was visited on a daily basis.								
40	C.C. Collection: The pumping stations were visited on a daily basis with no problems to								
41	report. We did make several sewer lateral repairs (10) ranging from missing caps to								
42	actual lateral repairs.								
43	While doing a paving inspection at Summit House I found that all of their sewer vents								
44	had open grate caps throughout the complex. All of the vent pipes were excavated.								
45	mushroom caps were installed and a cast iron valve box was placed over the vent pipe, 26								
46	were repaired.								

- R.C. Collection Pump Station was visited on a daily basis. We are still cleaning the wet well due to extensive grease. The new rail system has arrived as well as the new flutes for the grinder pumps. Once the materials arrive we will have MGK start the work.
- 4 <u>R.C. Plant</u>: We pulled the 3<sup>rd</sup> lift station pump for maintenance.
- The pipeliner pump for the Centerfuge was pulled and sent out to Deckman for repairs.
- John Laidley installed the new level transducer on the #1 sludge tank. A.C.S. has to come in and set up the levels in the program.
  - Alarms: We responded to 16 alarms for April.
  - PA One Calls: We received 46 PA One calls for April.

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#### 2. Pennoni Engineer's Report

- Mike Ellis provided the following report:
- <u>Invoices</u>: 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 begun preparation of the application.

#### 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.

The PennDOT Highway Occupancy Permit application for force main construction along and across E. Strasburg Road and Rt. 352 was revised and resubmitted to address

PennDOT's comments. PennDOT subsequently issued the permit on April 29, 2016.

We are in the process of revising the NPDES Permit application and plan to address comments from the Chester County Conservation District (CCCD). We expect to resubmit to the CCCD the week of May 16-20.

The Water Quality Management Permit application was submitted to PADEP on April 13, 2016. PADEP has 120 calendar days to perform their review.

A complete bid document will be provided once the 3 remaining permits are issued.

# RCSTP and Pump Stations' O&M Plan

Limited activity since the last report.

# White Chimneys Manhole Replacement

We attended a field meeting with Township staff on April 28 to evaluate alternatives for replacing vs. rehabilitating the Ashbridge Pump Station force main discharge manhole (MH C-226).

We performed an existing conditions and topographic field survey thereafter, and we are currently preparing a plan of the proposed manhole replacement for use during construction by the PW Department.

# Semi-Annual I&I Reports

We have begun analysis of data from four portable meters from March-April 2016. We intend to submit an analysis summary via email by May 13 and follow-up with a formal semi-annual report by June 30 pending receipt of additional meter data.

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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 March 2016. Discharge to Applebrook was discontinued during March. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. The

- sludge grinder was removed and sent to Deckman Electric for replacement of the head and shear 1
- 2 plate assembly. No mechanical or operational issues were observed regarding the centrifuge
- 3 sludge dewatering equipment.
- During April, there was one storm event resulting in a daily precipitation amount equal to or 4
- 5 greater than 0.4 inches measured during a 24 hour period. A total of 2.98 inches of rainfall were
- measured during the month. This event occurred on April 7<sup>th</sup>, 0.48 inches. Plant operations 6
- 7 were adjusted to manage the precipitation to prevent exceedances of the permitted discharge
- 8 limitation for Outfall 001.
- 9 Minor repairs and preventative maintenance were:
- April 16, 2016: Removed sludge grinder for rebuild at Deckman Electric. 10
- April 27-30, 2016: Initiated replacement of the quartz sleeves, UV lamps, lamp O-rings and 11
- wiper O-rings and quartz sleeve O-rings for bank #1. 12

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#### **Approval of Minutes**

Jack moved to accept the minutes of April 11, 2016 as corrected. Phil seconded the motion. The motion passed unanimously.

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#### **Approval of Invoices**

- 1. Ed moved to approve payment of the Gawthrop Invoice #144090 for \$540.00. Phil seconded the motion. The motion passed unanimously.
- 2. Phil moved to approve payment of the following Pennoni invoices:

a.	Pennoni	#687506	

- \$ 6,629.75 b. Pennoni #687507 \$ 323.00
- C. Pennoni #687508 \$ 782.50
- đ. Pennoni #687509 \$ 2,579.25
- \$ Pennoni #687510 657.50

Ed seconded the motion. The motion passed unanimously.

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#### **Liaison Reports**

Board of Supervisors - Carmen reported that Hibberd Lane will be closed to traffic until the East Boot Road bridge repair is done. On Wed. May 25, 2016 at 9:30 am the BOS will hold their Long Range Budget Planning meeting.

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#### Financial Reports

- Jon Altshul provided the following written report:
- In April, the Municipal Authority recorded \$106 in revenues (interest) and \$20,055 in expenses, 36
- (including \$7,500 for auditing expenses, \$6,492 for general engineering services, and \$5,523 for 37
- 38 Reservoir Road Pump Station engineering), for a negative variance of \$19,949. As of April 30<sup>th</sup>,
- 39 the fund balance was \$1,429,231 of which \$1,388,525 is in the main construction account.

40 41

#### Goals

- 42 Goals for 2016 were discussed. Jack mentioned that the electronic file with the Municipal
- Authority's articles has been lost, so nothing was put in the latest newsletter. Mike gave Jack the 43 information for an article which Jack will give to Jon Altshul. 44
- 45 The agreement with West Goshen Municipal Authority was discussed regarding
- 46 improvements vs maintenance. Patrick and Jessica will check it.

#### New Business

- 1. Manhole Linings Mike reported that Mark Miller, Matt and Steve went to Lancaster to inspect manholes with linings that were only 4 years old. The manholes were in very bad condition. Two weeks ago Abel Recon met to inspect the township's manholes. They have provided a proposal for 19 4' diameter manholes which equals 188 vertical feet. The cost is \$70,160.00 which equals \$373.20/VF. This is to line the entire structures. Bypass pumping will be needed for 2 manholes. They will also need access to get equipment down a few driveways. Abel Recon is the only contractor in the area approved by the manufacturer to install this. CoStars is a cooperative program run by the state. They will probably start mid to late June. Jessica feels it is a standard proposal. Jack moved to accept the proposal from Abel Recon based on the Township engineer's recommendation. Phil seconded the motion. The motion passed unanimously.
- 2. <u>Ashbridge</u> Mike reported that a 6" force main runs through a manhole into the sewer. The manhole is in bad shape. They looked at alternatives and surveyed last week. They are proposing to demolish the existing manhole and piping, and install a new manhole downstream between 2 houses with larger pipes. They will have to shut down the Ashbridge pump station for a few hours. This will be within the Township easement. Public Works Department can do this work.
- 3. <u>Project Budgets</u> Some projects are over budget and some are under budget. After discussion the following motions were made:
  - a. Ed moved to increase the budget for EGMA 1504 Reservoir Road Pump Station up to \$5,000.00. Jack seconded the motion. The motion passed unanimously.
  - b. Phil moved to increase the budget for EGMA 1604 White Chimneys & Cornwallis Dr. Manhole Lining up to \$5,000.00. Ed seconded the motion. The motion passed.
  - c. Ed moved to increase the budget for EGMA 1605 White Chimneys Manhole Replacement up to \$8,000.00. Jack seconded the motion. The motion passed.
  - d. Phil moved to increase the budget for EGMA 1606 RCSTP NPDES Permit Renewal Application up to \$4,500.00. Ed seconded the motion. The motion passed.

#### **Capacity Requests**

1. 1420 E. Strasburg Road – The developer is Jim Brandolini. They will keep the existing house and build 2 new houses. They are requesting a total of 3 EDUs which equals 634.5 gpd. Jack moved to approve the request from Commonwealth Engineers Inc. for 3 EDUs at 1402 E. Strasburg Road. Ed seconded the motion. The motion passed.

#### **Any Other Matter**

1. Lockwood Pump Station – Rick mentioned that the HOA has been contacted about the fence. A final walk will be done with the HOA.

1 2	Adjournment There being no further business, Phil moved to adjourn the meeting. Ed seconded the motion. The motion passed unanimously. The mosting area of the motion.
3	The motion passed unanimously. The meeting was adjourned at 8:35 pm. The next meeting will be held on Monday, June 13, 2016 at 7:00
4	be held on Monday, June 13, 2016 at 7:00 pm.
5	5, 1 3-10 tt 7.00 pm.
6	Respectfully submitted,
7	1
8	
9	Ruth Kiefer
10	Recording Secretary

AREA CODE 610

#### EAST GOSHEN MUNICIPAL AUTHORITY EAST GOSHEN TOWNSHIP



1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

March 18, 2016

Mr. Donald Pusey 1636 Bow Tree Drive West Chester PA 19380

Dear Mr. Pusey:

As I noted in my letter of March 2, 2016 the force main for the Reservoir Road Pump Station will have to cross the corner of your property that is next to the pond. This means the Authority will need to acquire an easement from you to install the force main.

The Authority engaged William Wood Company to conduct an appraisal and they have determined that the Just Compensation for the Temporary and Permanent Easement is \$690.00. Please consider this letter as a formal offer from the Municipal Authority to acquire the easement from you for \$690.00.

I have enclosed a copy of the appraisal and the easement for your review. If the offer is acceptable please contact me and we can set up a time for executing the agreement and payment of the compensation.

Please give me a call at 610-692-7171 or e-mail me at rsmith@eastgoshen.org if you have any questions.

Sincerely,

Louis F. Smith, Jr. Township Manager

**Enclosures** 

NEED CHECK FOR \$690,00 PAYABLE

F:\Data\Shared Data\ABC'S\Municipal Authority\Projects\Reservoir Road PS\Easement\Letter 031816.doc

TO DONALD PUSEY



#### 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 #: 692533

Invoice Date: 05/26/2016

Project : EGMA1504

Project Name: Reservoir Rd PS Design &

Permitting

For Services Rendered through: 5/15/2016

Prepared revisions to the NPDES plan submission and permit application forms to address CCCD's comments; finalized and resubmitted PennDOT HOP Cycle 4 plans to address PennDOT's comments; and obtained status updates from PADEP on outstanding General Permit applications.

Phase: 11 -- Final Design

Total Phase: 11 -- Final Design

Labor:

2,116.50

Expense :

0.00

Phase Total :

2,116.50

Phase: 12 -- Permitting

Total Phase: 12 -- Permitting

Labor:

915.75

Expense:

0.00

Phase Total:

915.75

**Amount Due This Invoice** 

\$3,032.25

ok 75 6-9

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Continued	trom	previous	page
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Phase	:	11		Final	Design
-------	---	----	--	-------	--------

Labor	Hours/		
Class	Units _	<u>Rate</u>	Amount
Authority Engineer	2.00	115.00	230.00
Engineering Technician II	24.50	77.00	1,886.50
Labor Total:	26.50		2,116.50

Total Phase : 11 Final Design	Labor :	\$2,116.50
Total That Time 2001g	Expense :	\$0.00

Phase : 12 Permitting			
Labor Class	Hours/ Units	Rate	Amount
Staff Engineer	1.50	90.00	135.00
Senior Enviromental Scientist	0.50	90.00	45.00
Graduate Engineer	8.25	77.00	635.25
Engineering Technician I	1.50	67.00	100.50
Labor Total:	11.75		915.75

Total Phase : 12 Permitting	Labor :	\$915.75
•	Expense:	\$0.00

Total Project : EGMA1504 Reservoir Rd PS Design & Permitting	Labor :	\$3,032.25
	Expense :	\$0.00

#### East Goshen Municipal Authority EGMA1504 Invoice Summary Invoice Date 5/26/2016

Project: EGMA1504

Pennoni Job No.: Reservoir Rd PS Design & Permitting

 Invoice No:
 692533

 Invoice Period:
 4/18/206
 to
 5/15/2016

 Initial Authorization:
 \$ 167,120.00
 Date:
 5/26/2016

 Contract Amount:
 \$ 174,120.00

 Previously Invoiced:
 \$ 166,941.50

 Current Invoice:
 \$ 3,032.25

 Invoiced to Date (\$):
 \$ 169,973.75

 Invoiced to Date (%):
 97.62%

 Remaining Budget (\$):
 \$ 4,146.25

 Remaining Budget (%):
 2.38%

**Budget by Phase:** 

Phase Name:	Fin	al Design	Phase 11
Phase Budget:	\$	67,500.00	
Previously Invoiced:	\$	61,341.75	
Current Invoice:	\$	2,116.50	
Invoiced to Date (\$):	\$	63,458.25	
Invoiced to Date (%):		94.01%	
Remaining Budget (\$):	\$	4,041.75	
Remaining Budget (%):		5.99%	

Comments:

Prepared revisions to the NPDES plan submission and permit application forms to address CCCD's comments; finalized and resubmitted PennDOT HOP Cycle 4 plans to address PennDOT's comments; and obtained status updates from PADEP on outstanding General Permit applications.

#### East Goshen Municipal Authority EGMA1504 Invoice Summary Invoice Date 5/26/2016

Project: EGMA1504

Pennoni Job No.: Reservoir Rd PS Design & Permitting

Invoice No: 692533

 Invoice Period:
 4/18/2016
 to
 5/15/2016

 Initial Authorization:
 \$ 167,120.00
 Date:
 5/26/2016

**Contract Amount:** \$ 174,120.00 \$ 166,942.25 Previously Invoiced: \$ 3,032.25 **Current Invoice:** \$ 169,974.50 Invoiced to Date (\$): 97.62% Invoiced to Date (%): 4,145.50 Remaining Budget (\$): 2.38% Remaining Budget (%):

#### **Budget by Phase:**

Phase Name:	Per	mitting	Phase 12
Phase Budget:	\$	29,610.50	
Previously Invoiced:	\$	28,590.25	
Current Invoice:	\$	915.75	
Invoiced to Date (\$):	\$	29,506.00	
Invoiced to Date (%):		99.65%	
Remaining Budget (\$):	\$	104.50	
Remaining Budget (%):		0.35%	

#### Comments:

Prepared revisions to the NPDES plan submission and permit application forms to address CCCD's comments; finalized and resubmitted PennDOT HOP Cycle 4 plans to address PennDOT's comments; and obtained status updates from PADEP on outstanding General Permit applications.

# Reservoir Road Pump Station Design & Permitting

INVOICE SUMMARY For Services Rendered through: 5/15/2016

Activity         Amount*         thru 2/14/2016           Concept Design         \$13,655.75         \$13,655.75           DEP WQM Pre-App. Meeting         \$1,300.00         \$1,300.00           Existing Conditions Survey         \$22,783.75         \$22,783.75           Sewer Stakeout in Easements         \$0.00         \$0.00           1636 Bow Tree Dr. Boundary Survey & Easement         \$0.00         \$4,020.00           Additional Boundary Surveys & Easements         \$0.00         \$0.00           Resement         \$0.00         \$1,800.00           Additional Boundary Surveys & Easements         \$0.00           Geotechnical Borings         \$4,000.00           Install Permanent Survey Benchmarks         \$0.00           Progress Design         \$1,800.00           Infiltration Testing         \$1,800.00           Final Design         \$29,450.00           Final Design         \$1,69.973.75	Tock		Contract	Invoiced Effort	Remaining	Remaining	9 Post Came
Concept Design         \$13,655.75         \$13,655.75           DEP WQM Pre-App. Meeting         \$1,300.00         \$1,300.00           Existing Conditions Survey         \$22,783.75         \$22,783.75           Sewer Stakeout in Easements         \$0.00         \$0.00           I 636 Bow Tree Dr. Boundary Survey & \$4,020.00         \$4,020.00           Easement         \$0.00         \$4,000.00           Additional Boundary Survey & Easements         \$0.00         \$4,000.00           Rootechnical Borings         \$4,000.00         \$1,800.00           Install Permanent Survey Benchmarks         \$29,450.00         \$1,800.00           Progress Design         \$1,800.00         \$1,800.00           Infiltration Testing         \$67,500.00         \$1,800.00           Final Design         \$29,450.00         \$29,506.00           Permitting         \$174,120.00         \$169.973.75	No.	Activity	Amount*	thru 2/14/2016	Budget (\$)	Budget (%)	Completen:
DEP WQM Pre-App. Meeting         \$1,300.00         \$1,300.00           Existing Conditions Survey         \$22,783.75         \$22,783.75           Sewer Stakeout in Easements         \$0.00         \$0.00           1636 Bow Tree Dr. Boundary Survey & Easements         \$4,020.00         \$4,020.00           Additional Boundary Surveys & Easements         \$0.00         \$4,000.00           Geotechnical Borings         \$4,000.00         \$2,450.00           Install Permanent Survey Benchmarks         \$29,450.00         \$1,800.00           Infiltration Testing         \$1,800.00         \$1,800.00           Final Design         \$29,506.00         \$169.973.75           Permitting         \$174.120.00         \$169.973.75	-	Concept Design	\$13,655.75	\$13,655.75	ı	1	Yes
Existing Conditions Survey         \$22,783.75         \$22,783.75           Sewer Stakeout in Easements         \$0.00         \$0.00           1636 Bow Tree Dr. Boundary Survey & Easement         \$4,020.00         \$4,020.00           Additional Boundary Surveys & Easements         \$0.00         \$0.00           Additional Boundary Surveys & Easements         \$0.00         \$4,000.00           Install Permanent Survey Benchmarks         \$0.00         \$1,800.00           Progress Design         \$1,800.00         \$1,800.00           Infiltration Testing         \$63,458.25         \$29,450.00           Final Design         \$29,610.50         \$169,973.75	, ,	DEP WOM Pre-App. Meeting	\$1,300.00	\$1,300.00	1	1	Yes
Sewer Stakeout in Easements         \$0.00         \$0.00           1636 Bow Tree Dr. Boundary Survey & Easement         \$4,020.00         \$4,020.00           Additional Boundary Surveys & Easements         \$0.00         \$4,000.00           Geotechnical Borings         \$4,000.00         \$4,000.00           Install Permanent Survey Benchmarks         \$0.00         \$1,800.00           Progress Design         \$1,800.00         \$1,800.00           Infiltration Testing         \$67,500.00         \$63,458.25           Final Design         \$29,410.50         \$169,973.75	1 (	Existing Conditions Survey	\$22,783.75	\$22,783.75	1	1	Yes
1636 Bow Tree Dr. Boundary Survey & Sasement       \$4,020.00       \$4,020.00         Easement       \$0.00       \$0.00         Additional Boundary Surveys & Easements       \$4,000.00       \$0.00         Geotechnical Borings       \$4,000.00       \$0.00         Install Permanent Survey Benchmarks       \$0.00       \$29,450.00         Progress Design       \$1,800.00       \$1,800.00         Final Design       \$29,450.00       \$29,506.00         Permitting       \$29,510.50       \$1,69,973.75	4	Sewer Stakeout in Easements	\$0.00	\$0.00	1	ı	Scope eliminated
Additional Boundary Surveys & Easements         \$0.00         \$0.00           Geotechnical Borings         \$4,000.00         \$4,000.00           Install Permanent Survey Benchmarks         \$0.00         \$0.00           Progress Design         \$29,450.00         \$1,800.00           Infiltration Testing         \$1,800.00         \$1,800.00           Final Design         \$29,500.00         \$29,500.00           Permitting         \$29,610.50         \$169,973.75	5	Tree Dr. Boundary Sur	\$4,020.00	\$4,020.00	1	ī	Yes
Geotechnical Borings         \$4,000.00         \$4,000.00           Install Permanent Survey Benchmarks         \$0.00         \$0.00           Progress Design         \$29,450.00         \$29,450.00           Infiltration Testing         \$1,800.00         \$1,800.00           Final Design         \$67,500.00         \$63,458.25           Permitting         \$70,500.00         \$169,973.75	9	Additional Boundary Surveys & Easements	\$0.00	\$0.00	1	ī	Scope eliminated
Install Permanent Survey Benchmarks	7	Geotechnical Borings	\$4,000.00	\$4,000.00	I	1	Yes
Progress Design         \$29,450.00         \$29,450.00           Infiltration Testing         \$1,800.00         \$1,800.00           Final Design         \$67,500.00         \$63,458.25           Permitting         \$29,610.50         \$29,506.00           TOTAT         \$174.10.00         \$169.973.75	× ∞	Install Permanent Survey Benchmarks	\$0.00	\$0.00	ı	I	Scope eliminated
Infiltration Testing	6	Progress Design	\$29,450.00	\$29,450.00	r	1	Yes
Final Design         \$67,500.00         \$63,458.25           Permitting         \$29,610.50         \$29,506.00           TOTAT         \$174.120.00         \$169.973.75	10	Infiltration Testing	\$1,800.00	\$1,800.00	1	1	Yes
Permitting \$29,610.50 \$29,506.00 TOTAL \$174.120.00 \$169.973.75	11	Final Design	\$67,500.00	\$63,458.25	\$4,041.75	%9	No
TOTAT   \$174 120 00   \$169.973.75	12	Permitting	\$29,610.50	\$29,506.00	\$104.50	<1%	No
411111111111111111111111111111111111111		TOTAL	\$174,120.00	\$169,973.75	\$4,146.25	2%	

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



Project Engineer

Labor Total:

#### INVOICE 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 #: 692534

Invoice Date: 05/26/2016

Project: EGMA1505

Project Name: RCSTP and Pump Station O&M

Manual

For Services Rendered through: 5/15/2016 Continued preparation of O&M Manual. Phase: \*\*\*\* -- Professional Services 174.25 Labor: Total Phase: \*\*\*\* -- Professional Services 0.00 Expense: Phase Total: 174.25 **Amount Due This Invoice** \$174.25 12,500.00 Fee: 4,872.75 **Prior Billings: Current Billings:** 174.25 5,047.00 **Total Billings:** Phase: \*\*\*\* -- Professional Services Labor Hours/ **Amount** Rate Class Units 28.75 0.25 115.00 Authority Engineer 145.50

\$174.25 Labor: Total Phase: \*\*\*\* -- Professional Services

1.50

1.75

\$0.00 Expense:

\$174.25 Labor: Total Project: EGMA1505 -- RCSTP and Pump Station O&M Manual

Expense: \$0.00

97.00

OIC RS 6-9

174.25

#### East Goshen Municipal Authority EGMA1505 Invoice Summary Invoice Date 05/26/2016

Project: EGMA1505

Pennoni Job No.: RCSTP & Pump Station O&M Manual

 Invoice No:
 692534

 Invoice Period:
 4/18/2016
 to
 5/15/2016

 Initial Authorization:
 \$ 12,500.00
 Date:
 5/26/2016

\$ 12,500.00 **Contract Amount:** \$ Previously Invoiced: 4,872.75 \$ 174.25 **Current Invoice:** \$ 5,047.00 Invoiced to Date (\$): Invoiced to Date (%): 40% 7,453.00 Remaining Budget (\$): \$ 60% Remaining Budget (%):

#### **Budget by Phase:**

Phase Name: RCSTP & Pump Station O&M Manual

12,500.00 Phase Budget: \$ 4,872.75 Previously Invoiced: \$ 174.25 **Current Invoice:** \$ 5,047.00 Invoiced to Date (\$): 40% Invoiced to Date (%): 7,453.00 \$ Remaining Budget (\$): 60% Remaining Budget (%):

**Comments:** Continued preparation of O&M Manual.



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 #: 692535

Invoice Date: 05/26/2016 Project: EGMA1601

Project Name: 2016 General Services

For Services Rendered through: 5/15/2016

Vendor coordination for sizing and cost of bypass pumps for RCSTP and pump stations; prepared May Engineer's Report; prepared for and attended May MA meeting; and provided budgetary costs for cured-in-place pipe lining to PW Director.

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

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

Labor:

948.75

Expense:

0.00

Phase Total:

948.75

**Amount Due This Invoice** 

\$948.75

Fee:

12,300.00

**Prior Billings:** 

3,204.50

**Current Billings:** 

948.75

**Total Billings:** 

4,153.25

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

Labor Total:

Labor

Hours/

Class

Units 8.25 115.00

Rate

**Amount** 948.75

**Authority Engineer** 

8.25

948.75

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

Labor:

\$948.75

Expense:

\$0.00

Total Project : EGMA1601 -- 2016 General Services

Labor:

\$948.75

Expense:

\$0.00

Olc 75 6-9

#### East Goshen Municipal Authority EGMA1601 Invoice Summary Invoice Date 05/26/2016

Project: EGMA1601

Pennoni Job No.: 2016 General Services

Invoice No: 692535
Invoice Period: 4/18/2016 to 5/15/2016
Initial Authorization: \$ 12,300.00 Date: 5/26/2016

\$ **Initial Authorization:** 12,300.00 \$ 12,300.00 **Contract Amount:** \$ 3,204.50 Previously Invoiced: \$ 948.75 **Current Invoice:** \$ 4,153.25 Invoiced to Date (\$): 34% Invoiced to Date (%): 8,146.75 \$ Remaining Budget (\$): Remaining Budget (%): 66%

#### **Budget by Phase:**

Phase Name:	201	6 General Services
Phase Budget:	\$	12,300.00
Previously Invoiced:	\$	3,204.50
Current Invoice:	\$	948.75
Invoiced to Date (\$):	\$	4,153.25
Invoiced to Date (%):		34%
Remaining Budget (\$):	\$	8,146.75
Remaining Budget (%):		66%

Comments:

Vendor coordination for sizing and cost of bypass pumps fro RCSTP and pump stations; prepared May Engineer's Report; prepared for and attended May MA meeting; and provided budgetary costs for cured-in-place pipe lining to PW Director.



#### INVOICE

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 #: 692536

Invoice Date: 05/26/2016 Project: EGMA1602

Project Name: 2016 Semi-Annual I&I Reports

For Services Rendered through: 5/15/2016

Analyzed flow data from portable meters for March-April timeframe; prepared summary documentation and recommendations; and initiated preparation of semi-annual I&I Report.

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

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

1,510.50 Labor:

0.00 Expense:

1,510.50 Phase Total:

**Amount Due This Invoice** \$1,510.50

Fee:

11,200.00

**Prior Billings:** 

2,209.50

**Current Billings:** 

1,510.50

**Total Billings:** 

3,720.00

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

Labor

Hours/ Units Class

143.75 115.00 1.25 **Authority Engineer** 1,366.75 77.00 17.75 Graduate Engineer

Rate

1,510.50 19.00 Labor Total:

\$1,510.50 Labor: Total Phase: \*\*\*\* -- Professional Services \$0.00 Expense:

\$1,510.50 Labor:

Total Project : EGMA1602 -- 2016 Semi-Annual I&I Reports \$0.00 Expense:

OK 125 6-9

**Amount** 

#### East Goshen Municipal Authority EGMA1602 Invoice Summary Invoice Date 5/26/2016

Project:	EGMA1602
----------	----------

Pennoni Job No.: 2016 Semi-Annual I&I Reports

Invoice No: 692536

Invoice Period:	2/15/2016	to	5/15/2016
Initial Authorization:	\$ 11,200.00	Date:	5/26/2016
Contract Amount:	\$ 11,200.00		
Previously Invoiced:	\$ 2,029.50		
Current Invoice:	\$ 1,510.50		
Invoiced to Date (\$):	\$ 3,540.00		
Invoiced to Date (%):	32%		
Remaining Budget (\$):	\$ 7,660.00		
Remaining Budget (%):	68%		

#### **Budget by Phase:**

Phase Name:	201	6 Semi-Annual I&I Reports
Phase Budget:	\$	11,200.00
Previously Invoiced:	\$	2,029.50
Current Invoice:	\$	1,510.50
Invoiced to Date (\$):	\$	3,540.00
Invoiced to Date (%):		32%
Remaining Budget (\$):	\$	7,660.00
Remaining Budget (%):		68%

Comments:

Analyzed flow data from portable meters for March-April timeframe; prepared summary documentation and recommendations; and initiated 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 #: 692537 Invoice Date: 05/26/2016

Project: EGMA1604

Project Name: White Chimneys MH Lining Bid Doc

For Services Rendered through: 5/15/2016

Set up and attended pre-proposal field meeting with Abel Recon and Township staff; updated exhibits and project scope based on field measurements and observations from pre-proposal meeting; reviewed Abel Recon's proposal and discussed project approach and questions with them.

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

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

Labor:

1,287.00

Expense:

0.00

Phase Total:

1,287.00

**Amount Due This Invoice** 

\$1,287.00

Fee:

12,400.00

Prior Billings: **Current Billings:**  5,046.50

**Total Billings:** 

1,287.00 6,333.50

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

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	7.25	115.00	833.75
Project Engineer	1.25	97.00	121.25
Senior Engineering Technician	3.00	85.00	255.00
Graduate Engineer	1.00	77.00	77.00
Labor Total:	12.50		1,287.00
Labor Total.			

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

Labor:

\$1,287.00

Expense:

\$0.00

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

Labor:

\$1,287.00

Expense:

\$0.00

ok RS 6-9

#### East Goshen Municipal Authority EGMA1604 Invoice Summary Invoice Date 05/26/2016

EGMA1604 Project:

White Chimneys MH Lining Bid Doc Pennoni Job No.:

692537 Invoice No:

5/15/2016 to 4/18/2016 Invoice Period: 5/26/2016 Date: \$ 4,400.00 Initial Authorization: \$ 12,400.00 **Contract Amount:** \$ 5,046.50 Previously Invoiced: \$ 1,287.00 **Current Invoice:** \$ 6,333.50 Invoiced to Date (\$): 51% Invoiced to Date (%): 6,066.50 Remaining Budget (\$): \$ 49%

#### **Budget by Phase:**

Remaining Budget (%):

White Chimneys MH Lining Bid Doc Phase Name:

12,400.00 Phase Budget: Previously Invoiced: \$ 5,046.50 \$ 1,287.00 **Current Invoice:** \$ 6,333.50 Invoiced to Date (\$): 51% Invoiced to Date (%): 6,066.50 \$ Remaining Budget (\$): 49% Remaining Budget (%):

#### Comments:

Set up and attended pre-proposal field meeting with Abel Recon and Township staff; updated exhibits and project scope based on field measurements and observations from pre-proposal meeting; reviewed Abel Recon's proposal and discussed project approach and questions with them.



#### 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 #: 692538 Invoice Date: 05/26/2016

Project : EGMA1605

Project Name: White Chimneys MH Replacement

For Services Rendered through: 5/15/2016

Attended field meeting with Township staff to strategize manhole replacement approach; performed topographic and existing conditions field survey; and prepared existing conditions and design plan with details.

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

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

Labor :

4,595.75

Expense:

0.00

Phase Total:

4,595.75

**Amount Due This Invoice** 

\$4,595.75

Fee:

8,000.00

Prior Billings :

0.00

**Current Billings:** 

4,595.75

**Total Billings:** 

4,595.75

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

Labor	Hours/		
Class	Units _	Rate	Amount
2-Person Survey Crew	8.00	156.00	1,248.00
Authority Engineer	5.50	115.00	632.50
Principal Surveyor	4.50	110.00	495.00
Project Engineer	7.75	97.00	751.75
Senior Survey Technician	1.00	86.00	86.00
Engineering Technician II	15.00	77.00	1,155.00
Survey Technician	3.25	70.00	227.50
Labor Total:	45.00		4,595.75

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

Labor : Expense : \$4,595.75

\$0.00

Total Project : EGMA1605 -- White Chimneys MH Replacement

Labor:

\$4,595.75

Expense:

\$0.00

or RS

1 9

#### East Goshen Municipal Authority EGMA1605 Invoice Summary Invoice Date 05/26/2016

Pennoni Job No.: White Chimneys MH Replacement

Invoice No:		692538		
Invoice Period:		NTP	to	5/15/2016
Initial Authorization:	\$	8,000.00	Date:	5/26/2016
<b>Contract Amount:</b>	\$	8,000.00		
Previously Invoiced:	\$	-		
Current Invoice:	¢	4 595 75		

 Current Invoice:
 \$ 4,595.75

 Invoiced to Date (\$):
 \$ 4,595.75

 Invoiced to Date (%):
 57%

 Remaining Budget (\$):
 \$ 3,404.25

 Remaining Budget (%):
 43%

#### **Budget by Phase:**

Phase Name:	Whi	ite Chimneys MH Replacement
Phase Budget:	\$	8,000.00
Previously Invoiced:	\$	-
Current Invoice:	\$	4,595.75
Invoiced to Date (\$):	\$	4,595.75
Invoiced to Date (%):		57%
Remaining Budget (\$):	\$	3,404.25
Remaining Budget (%):		43%

#### Comments:

Attended field meeting with Township staff to strategize manhole replacement approach; performed topographic and existing conditions field survey; and prepared existing conditions and design plan with details.



#### 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 #: 692539 Invoice Date: 05/26/2016

Project: EGMA1606

Project Name: Ridley Creek STP Permit Renewal

For Services Rendered through: 5/15/2016

Initiated preparation of permit renewal application.

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

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

1,487.00 Labor: 0.00

Expense: 1,487.00

Phase Total:

**Amount Due This Invoice** 

\$1,487.00

Fee:

4,500.00

Prior Billings:

0.00

**Current Billings: Total Billings:**  1,487.00 1,487.00

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

Labor	Hours/		Amount
Class	<u>Units</u>	Rate	
Authority Engineer	2.00	115.00	230.00
	1.25	97.00	121.25
Project Engineer		77.00	1.135.75
Graduate Engineer	14.75	77.00	
Labor Total:	18.00		1,487.00
Labor rotal:			

\$1,487.00 Labor: Total Phase: \*\*\*\* -- Professional Services \$0.00 Expense:

\$1,487.00 Total Project : EGMA1606 -- Ridley Creek STP Permit Renewal Labor:

\$0.00 Expense:

OIC 775 6-9

#### East Goshen Municipal Authority EGMA1606 Invoice Summary Invoice Date 05/26/2016

Project: Pennoni Job No.:	 A1606 y Creek STP Perm	it Renewal	
Invoice No:	692539		
Invoice Period:	NTP	to	5/15/2016
Initial Authorization:	\$ 4,500.00	Date:	5/26/2016
<b>Contract Amount:</b>	\$ 8,000.00		
Previously Invoiced:	\$ -		
Current Invoice:	\$ 1,487.00		
Invoiced to Date (\$):	\$ 1,487.00		

19%

6,513.00 81%

#### **Budget by Phase:**

Invoiced to Date (%):
Remaining Budget (\$): \$

Remaining Budget (%):

Phase Name:	Ridle	ey Creek STP Permit Renewal
Phase Budget:	\$	8,000.00
Previously Invoiced:	\$	-
Current Invoice:	\$	1,487.00
Invoiced to Date (\$):	\$	1,487.00
Invoiced to Date (%):		19%
Remaining Budget (\$):	\$	6,513.00
Remaining Budget (%):		81%

Comments: Initiated preparation of permit renewal application.



#### Gawthrop Greenwood, PC

Attorneys at Law

17 East Gay Street, Suite 100 West Chester, PA 19381-0562 gglaw@gawthrop.com | www.gawthrop.com

(p) 610-696-8225 (f) 610-344-0922

75 5/11/16

Page: 1

05/06/2016

Client No:

6604-001R

Invoice No. 145866

1580 Paoli Pike West Chester PA 19380

East Goshen Municipal Authority

General Authority Services

Fees

0.4/07/0040				Hours	
04/07/2016 PMM	Emails to/from R Smith regarding West Goshen.			0.20	
04/11/2016 EVG	Analysis of the COSTARS program regarding cap	ps on installati	on	4.40	
PMM	secondary to supply contracts Email from R Smith regarding COSTARS issue; I analyze meeting packet in preparation for Author			1.40	
	Attend Authority meeting.			2.20	
04/13/2016 EVG	Analysis of the terms of lifting the installation cap	for COSTADS			
EVG	contracts	idi COSTANS	•	0.50	,
04/14/2016					
EVG	Final preparation of memorandum to client regard the COSTARS program and the permissible anci	0.50			
PMM	Email to R Smith regarding COSTARS and instal			0.20	
04/15/2016					
EVG	Email from and to R. Smith regarding prevailing v requirements for ancillary installation activities on contracts			0.40	
	For Current Services Rendered			5.40	1,080.00
	Recapitulation				
Timekeepe	=	Hours	Hourly Rate		Total
Elizabeth V	Gavin	2.80	\$200.00		\$560.00

**Total Current Charges** 

Balance Due

Patrick M. McKenna

THIS INVOICE HAS BEEN PARD

2.60

200.00

1,080.00

\$1,080.00

520.00

#### Memo

To: Municipal Authority

From: Jon Altshul

Re: MA May Financial Reports

Date: June 6, 2016

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

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

# Page 1 of 3

### 06/06/2016

RCSTP NET RESULT	TOTAL EXPENSES	EXPENSES  R.CCAP. PROJENGINEER  R.C. CAP EXPANSION GEN'L CONTRACTOR  R.C. CAP EXPANSION - ELECTRICAL  R.C. CAP EXP CONTINGENCY CAPITAL  R.C. CAP EXP CONTINGENCY ONGOING  R.C. CAP EXP ADDITIONAL CONTINGENCY  TRANSFER TO SEWER SINKING FUND  TRANSFER TO AUTHORITY CAP FUND	GRANT REVENUE TOTAL REVENUE	REVENUE INTEREST EARNED - RCSTP EXPANSION	RCSTP BUDGET	MUNICIPAL AUTHORITY BEGINNING FUND BALANCE	Account Title
		07424 7451 07424 7452 07424 7453 07424 7454 07424 7455 07424 7456 07424 7456 07492 0550 07492 0990	0/337,0000	07341 1020			Acct#
1,500.00	0.00	0.00 0.00 0.00 0.00 0.00 0.00 0.00	1,500.00	1,500.00 0.00			Annual Budget
108.59	0.00	0.00 0.00 0.00 0.00 0.00 0.00	108.59	108.59		1,429,231.38	Month To Date Actual
537.33	0.00	0.00 0.00 0.00 0.00 0.00 0.00	537.33	537.33 0.00			Year To Date Actual

EAST GOSHEN TOWNSHIP

1580 PAOLI PIKE WEST CHESTER, PA Municipal Authority May 2016

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

OPERATING NET RESULT	TOTAL EXPENSES	EXPENSES  ADMINISTRATIVE WAGES  MISCELLANEOUS EXPENSE  MUNIC.AUTHAUDITING  ENGINEERING SERVICES  LEGAL SERVICES  M.CDVRFA-DEBT SERVICE  M.CDVRFA-INTEREST PAYMN  074  074  074  074	TOTAL REVENUE	REVENUE  REVENUE  O734  INTEREST EARNINGS  C.C. TAPPING FEES  R.C.TAPPING FEES  CONNECTION FEES - SEWER  MISCELLANEOUS REVENUE  TRANSFER FROM SEWER OPERATING  0738	OPERATING BUDGET	Acct #
		07424 1400 07424 3000 07424 3110 07424 3130 07424 3140 07471 1000 07472 1000 07472 1010		07341 1000 07364 1100 07364 1110 07364 1110 07364 1130 07380 1000 07392 0500		*
13,750.00	88,092.00	0.00 3,000.00 9,500.00 38,500.00 9,000.00 24,920.00 3,172.00 0.00	101,842.00	10.00 4,000.00 4,000.00 0.00 0.00 93,832.00		Annual N Budget
(5,422.07)	5,422.25	0.00 0.00 0.00 4,342.25 1,080.00 0.00 0.00	0.18	0.18 0.00 0.00 0.00 0.00		Month To Date Actual
(10,124.86)	48,548.11	7,705.49 1,641.62 7,500.00 27,677.50 4,023.50 0.00 0.00	38,423.25	2.25 0.00 12,152.00 845.64 423.36 25,000.00		Year To Date Actual

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

	1,41,,200.13			MUNICIPAL AUTHORITY ENDING FUND BALANCE
	1 117 799 15			
(34,400.50)	(6,629.75)	(25,000.00)		CAPITAL NET RESULT
34,400.50	6,629.75	25,000.00		TOTAL EXPENSES
				מועבויסוטוען ואסי דבסטר
0.00	0.00		0742	DIVERSION PROIL- LEGAL
0.00	0.00	07429 3130 25,000.00	0742	ASRSTOS CONCRETE ENGINEERING
0.00	0.00	07428 2000 0.00	0742	RESERVOIR PUMP STATION CONSTRUCTION
34,400.50	6,629.75		0742	RESERVOIR PUMP STATION - ENGINEER
0.00	0.00		0742	RESERVE PLIMP STATION - CONSTRUCTION
0.00	0.00	_	0742	RESERVE PLIMP STATION - ENGINEER
0.00	0.00	07426 2000 0.00	0742	HERSHEY MILL STATION - CONSTRUCTION
0.00	0.00	07426 1000 0.00	0742	HERSHEY MILL STATION - ENGINEER
0.00	0.00	07424 7477 0.00	0742	LOCHWOOD ELIMINATION PHASE 2
0.00	0.00	07424 7476 0.00	0742	LOCHWOOD ABANDONMENT CONSTRUCTION
0.00	0.00	07424 7475 0.00	0742	LOCHWOOD ABANDONMENT ENGINEER
0.00	0.00	07424.7420 0.00	0742	C.C. CAPITAL - COLLECTION
0.00	0.00	07424.7405 0.00	0742	MANHOLE COVER REPLACEMENTS
0.00	0.00	07425 2000 0.00	0742	MARYDELL PUMP STATION -CONSTRUCTION
0.00	0.00	07425 1000 0.00	0742	MARYDELL PUMP STATION - ENGINEER
				EXPENSES
0.00	0.00	0.00		TOTAL REVENUE
0.00	0.00	0.00	07392 0900	TRANSFER FROM SEWER CAP RESERVE
0.00	0.00	1001 0.00	07393 1001	REVENUE
				CAPITAL BUDGET
Year To Date Actual	Month To Date Actual	Annual Budget	Acct #	Account Title

U:\bmccool\2016\Municipal Authority\2016 - 05 - Municipal Authority Report.xlsx

Report Date 06/06/16

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			EARNINGS 51240	. <b></b>	0.43		02/01/16	INTEREST		INTEREST EARNED JANUARY 2016 07 FUND
	 1601			0.00	0.43					••••
	1602		51651		0.51			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				, .	INTEREST		INTEREST EARNED APRIL 2016 07 FUND
	1604			0.00		-2.07				
	1605		52983		0.18	ı	06/03/16	INTEREST		INTEREST EARNED MAY 2016 07 FUND
	1605			0.00	0.18					
07341-1000	***	***	****	0.00		-2.25				
07341-1020	INTE 1601			- CONSTRUCTION	ON 110.5	0.00		INTEREST		INTEREST EARNED JANUARY 2016 07 FUND
	1601			0.00	110.5	9 -110.59	)			
	1602	2	51651		103.5	6	03/01/16	INTEREST		INTEREST EARNED FEBRUARY 2016 07 FUND
	1602	 2		0.00	103.5	6 -214.15	5			
	1603	3	52095		109.2	6	04/04/16	5 INTEREST		INTEREST EARNED MARCH 2016 07 FUND

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MGRP18 run by BRIAN 3 : 52 PM

Acct #	Per	Src '	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
	 1603			0.00	109.26	-323.41				
	1604		52568		105.33					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					-537.33				
7341-1020	 ****	***	****	0.00						
07364-1110	1601	ሮዩ	51204		5,004.00	0.00	01/28/16	1247		1 SUNNY RIDGE FARMS LLC
	1601			0.00		-5,004.00				
	1602	RE	51557		7,148.00		02/23/16	51557 1		TAP IN FEE-957 CORNWALLIS DR
	1602			0.00		-12,152.00				
 07364-1110	***	***	****	0.00	12,152.00	-12,152.00		**************		
07364-1130		CR JE	51318 51322 51357 51319 51323 51358	141.12 141.12 141.12			02/05/16 02/05/16 02/08/16 02/05/16 02/05/16 02/08/16	PINE ROCK PINE ROCK PINE ROCK		1 GEORGE SMITH & CHRISTINA CONLE 1 JACOBS, ROBERT & CHERYL 1 STOFFLET, MICHAEL ANNUAL PINE ROCK INSTALLMENT ANNUAL PINE ROCK INSTALLMENT ANNUAL PINE ROCK INSTALLMENT
	1602	2		423.36	1,269.00	-845.64				
07364-1130	***	 k ***	****	423.36	1,269.00	-845.64			- ~======	

GL Transaction Details

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MGRP18 run by BRIAN 3 : 52 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07380-1000	MISCE	LLAN	EOUS R	EVENUE		0.00				
			51319		141.12			PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
			51323		141.12			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	TRANS	SFER	FROM S	EWER OPERATI	1G	0.00				
,,,,,,				SEWER OPERATII			03/28/16	DEPOSIT		DEPOSIT TO MUNICIPAL ACCT.
	1603			0.00		-25,000.00				
07392-0500	****	***	****	0.00	25,000.00					
07424-1400	אחאדו	NT CIT	D A T T T T C	WACES		0.00				
0/424-1400	MUNIT		51990				03/24/16			EAST GOSHEN TOWNSHIP - GENERAL Q1 2016 REIMBURSEMENT FROM MUN.A
	1603			7,705.49	0.00	7,705.49				
07424-1400	****	***	****	7,705.49	0.00	7,705.49				
07424-3000	MTSC	ELLA	NEOUS	EXPENSE		0.00				
0,12, 5000	1601		50894				01/04/16	3004	2132	PENNSYLVANIA MUNICIPAL AUTHORITIES ASSO 2016 ACTIVE MEMBERSHIP DUES
			51002	163.62			01/18/16	3005	2967	SAFEGUARD
			51028	500.00			01/14/16	3006	2737	CHECK ORDER FEE COMMONWEALTH OF PA
			520-0							NPDES PERMITS -CHAP.92A 2016 PERMIT# PA0050504
	1601		,	1,641.62	0.00	1,641.62	2			
07424-3000	 ) ****	* ***	* ****	1,641.62	0.00					
07424-3110	INUM C	C.AU	JTHAU	DITING		0.0	0			

Report Date 06/06/16

MGRP18 run by BRIAN

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Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				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	ENGTN	IEER'	ING SERV	ICES		0.00				
07424 3130	1602			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				3010		PENNONI ASSOCIATES INC. SERV.THRU 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	0.0	16,843.50				
	1604		52227	6,491.75						PENNONI ASSOCIATES INC. SERV.THRU 3/20/16 WHITE CHIMNEY
	1604			6,491.75		0 23,335.25				
	1605		52696	4,342.25						PENNONI ASSOCIATES INC. SERVICE THRU 4/17/16 - RCSTP & P
	1605			•		0 27,677.50	)			
07424-3130	 ) ****	**	 k ****	27,677.50	0.0	0 27,677.50	)			
07424-3140	) LEGA 1601		ERVICES 51149	400.00		0.00	0 12/17/15	3007	52	8 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES 12/14/15 - GEN.AU
	1601	 L		400.00	0.0	00 400.0	0			<del></del>
	1602	2	51503	480.00			02/19/16	3009	52	8 GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 1/11-1/29/16 GEN.A

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MGRP18 run by BRIAN

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Acct #	Per	Src Trx	<b>#</b>	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
	1602			480.00	0.00	880.00				
	1603	518	313	1,523.50			03/15/16	3011		GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE FEB.2016 - GEN. AU
	1603			1,523.50	0.00	2,403.50				
	1604	524	428	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	52	806	1,080.00				3019		GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 4/7-4/15/16 GEN.AU
	1605			1,080.00		4,023.50				
07424-3140	****	*** **	***	4,023.50						
07428-1000	RESE 1602			STATION - EN 2,565.50	GINEER	0.00	02/10/16	103	1052	PENNONI ASSOCIATES INC. SERVICE THRU 1/17/16 RESERV.RD.P
		51	528	16,747.75			02/23/16			PENNONI ASSOCIATES INC. SERVICE THRU 12/13/15 RESERV.RD
	1602			19,313.25	0.0	0 19,313.25				·
	1603	51	.812	1,934.75			03/15/16	105	1052	PENNONI ASSOCIATES INC. SERV. THRU 2/14/16 RESERV.RD PS PENNDOT HOP
		52	2048	1,000.00			03/30/16	106	1496	WILLIAM WOOD CO. SEWER EASEMENT -1636 BOW TREE DR
	1603	3		2,934.75	0.0	0 22,248.00	)			
	1604	1 52	2173	500.00			04/07/16	107	311	O COMMONWEALTH OF PENNSYLVANIA WOM PERMIT APPLICATION
		52	2226	3,972.75			04/12/16	108	105	PENNONI ASSOCIATES INC. SERV. THRU 3/20/16 PH.11 RESERV PS DESIGN
		5:	2469	1,050.00			04/25/16	109	367	1 PENNDOT PERMIT - HOP APPLICATION #100373

Report Date 06/06/16

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MGRP18 run by BRIAN 3 : 52 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
	1604			5,522.75		27,770.75				
	1605		52695	6,629.75			05/10/16	111	1052	PENNONI ASSOCIATES INC. SERV.THRU 4/17/16 RESERVOIR RD
	1605			6,629.75	0.00	34,400.50				
07428-1000	****	***	****	34,400.50	0.00	34,400.50				
Grand Total	83	 3,371	.97	39,383.94	43,988.03					

#### ANNUAL REPORT OF MUNICIPAL AUTHORITIES 2015

Commonwealth of Pennsylvania

Department of Community and Economic Development Governor's Center for Local Government Services 4th Floor Commonwealth Keystone Building Harrisburg, Pennsylvania 17120-0225 1-888-223-6837 FAX # 717-783-1402

**FACE SHEET** 

Authority Name	Current Information EAST GOSHEN MUNICII AUTHORITY		
Authority Address	1580 PAOLI PIKE	<u> </u>	
Telephone Number Fax Number Name of Contact Person E-Mail Address Title	WEST CHESTER, PA 19380-6199 (610) 692-7171 6106928950 LOUIS F. SMITH, JR. rsmith@eastgoshen.org TOWNSHIP MANAGER		
Filing Status 1 Active 2 Inactive 5 Terminated	<u>X</u>	Authority Type 11 Local Government Facilities	
Date Authority Organized ( Fiscal Year Ends (month/da		Date Authority Terminates (year) Number of Employees (full time equivalent) (part time equivalent)	2048 0 O
SIGNATURE			
TITLE		PHONE (	

(SEE REVERSE SIDE FOR GEOGRAPHICAL AREAS SERVED BY AUTHORITY)

#### Geographical Areas Served

Mun Code	Municipal Name	County
1 50395	EAST GOSHEN TWP	CHESTER
1 50575	EAST WHITELAND TWP	CHESTER
151895	WEST GOSHEN TWP	CHESTER
152165	WESTTOWN TWP	CHESTER
1 52195	WILLISTOWN TWP	CHESTER

#### FINANCING AUTHORITIES BALANCE SHEET FISCAL YEAR ENDING DEC 2015

ASSETS			
CURRENT ASSETS			
Cash	1,461,277_		
Investments			
Accounts receivable			
Other current assets			
TOTAL CURRENT ASSETS		1,461,277	
RESTRICTED ASSETS/TRUST FUNDS			
LEASE RENTAL PAYMENTS RECEIVABLE		9,260,809	
DEFERRED CHARGES			
TOTAL ASSETS			10,722,086
LIABILITIES AND FUND EQUITY			
CURRENT LIABILITIES			
Accounts payable	164		
Accrued interest payable	6,378		
Current portion of long-term debt	506,000		
Other current liabilities			
TOTAL CURRENT LIABILITIES		512,542	
LONG-TERM DEBT - less current portion		9,671,000	
FUND BALANCE			
Reserved			
Unreserved	538,544		
TOTAL FUND BALANCE		538,544	40 700 000
TOTAL LIABILITIES & FUND BALANCE			10,722,086

### SEWER FINANCING AUTHORITIES STATEMENT OF INCOME AND EXPENDITURES

OPERATING REVEN	UES			
Interest income		1,505		
Lease rental payme	ents	878,890		
Other operating rev	venues	82,750		
TOTAL OPERA	ATING REVENUES		963,145	
OPERATING EXPEN	SES			
Administration	- Salaries			
	- Other Costs	32,303		
Other operating ex	xpenses	74,302		
TOTAL OPER	ATING EXPENSES		106,605	
OPERATING I	NCOME (LOSS)			856,540
NONOPERATING RE	EVENUES			
Capital Grants	- State			
	- Federal			
Proceeds of borro	wings			
Other nonoperatir	ng revenues			
TOTAL NONC	PERATING REVENUES			
NONOPERATING EX	KPENSES			
Debt service payr	ments (interest only)			
Capital advances	to lessees			
Other nonoperatir	ng expenses	445,000		
	PERATING EXPENSES		445,000	
	RATING REVENUE (LOSS)			(445,000)
NET INCOME BEFO	RE EXTRAORDINARY ITEMS			411,540
EXTRAORDINARY (	GAIN (LOSS)			
NET INCOME				411,540
FUND BALANCE (be		127,004		
FUND BALANCE (er	nd of year)		538,544	

#### **DEBT STATEMENT**

#### **OUTSTANDING BONDS AND NOTES**

Listed below are all currently outstanding bond and note issues according to our files, excluding bond issues redeemed or refunded and defeased. Please show the principal payments and make any other necessary corrections and additions.

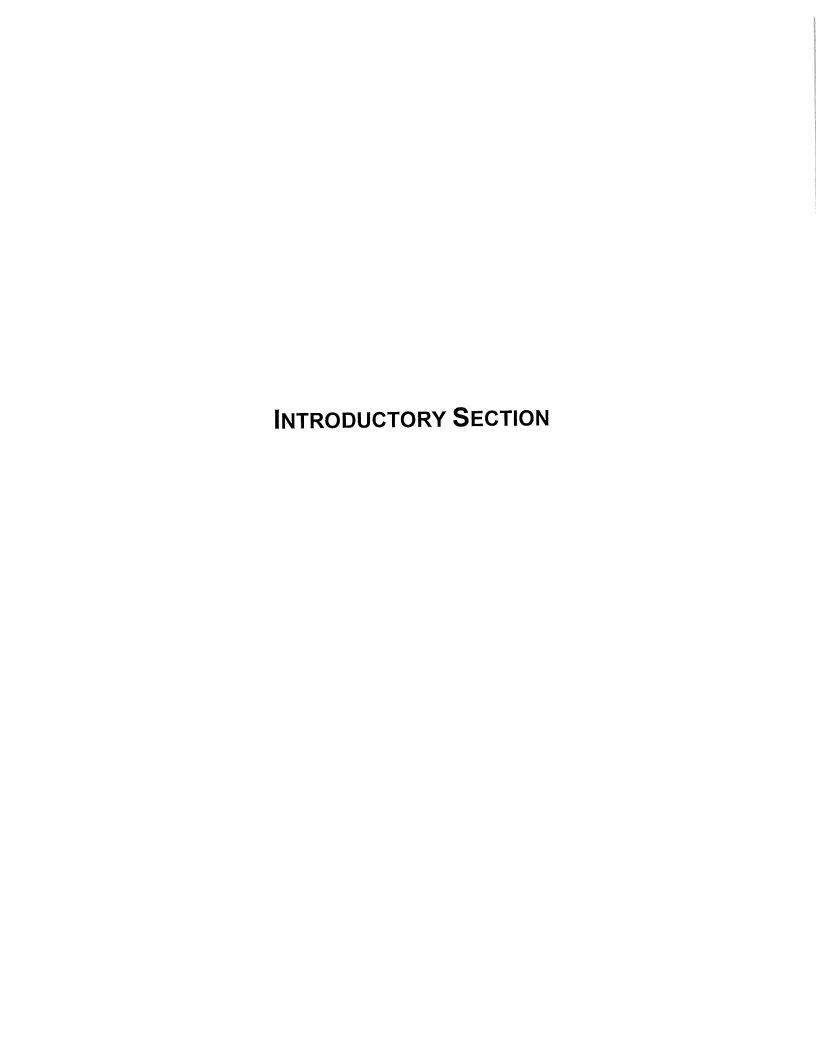
Type Purp	Bond (B) Note (N)	Issue Date (mm/yy)	Original Amount of Issue	Outstanding Beginning of Year	Principal Paid This Year	Outstanding at Year End	Final Year
11	N	01/98	1,340,000	365,000	83,000	282,000	2018
<u>11</u>	<u>N</u>	12/08	9,500,000	7,888,000	308,000	7,580,000	2032
11 11	<u>N</u>	10/13	2,500,000	2,409,000	94,000	2,315,000	2033
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Total bonds and notes outstanding	10,177,000	
Capitalized lease obligations		
Other debt		
TOTAL OUTSTANDING DEBT		10,177,000
Minus assets held in debt service funds, bond reserve funds and bond redemption funds		
Minus lease rental payments receivable	9,260,809	
NET DEBT		916,191

## EAST GOSHEN MUNICIPAL AUTHORITY ANNUAL FINANCIAL REPORT

Year Ended December 31, 2015

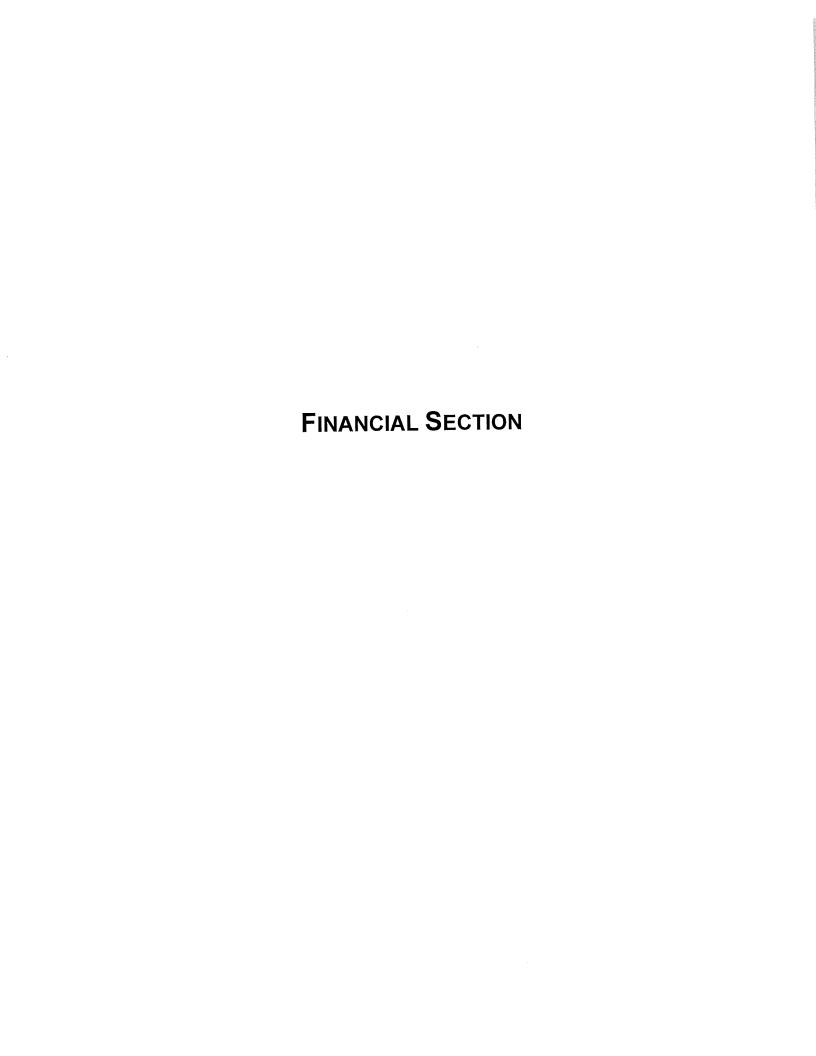




#### EAST GOSHEN MUNICIPAL AUTHORITY

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#### Independent Auditors' Report

To the Members of the Board East Goshen Municipal Authority West Chester, Pennsylvania

We have audited the accompanying financial statements of the East Goshen Municipal Authority (a component unit of East Goshen Township), which comprise the statement of net position as of December 31, 2015, and the related statements of revenues, expenses and changes in net position and cash flows for the year then ended and the related notes to the financial statements.

#### Management's Responsibility for the Financial Statements

The East Goshen Municipal Authority's management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America; this includes the design, implementation and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

#### Auditors' Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

To the Members of the Board East Goshen Municipal Authority West Chester, Pennsylvania

#### **Opinion**

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the East Goshen Municipal Authority as of December 31, 2015, and the changes in its financial position and its cash flows for the year then ended in accordance with accounting principles generally accepted in the United States of America (GAAP).

#### Other Matters

Required Supplementary Information

Accounting principles generally accepted in the United States of America require that management's discussion and analysis on pages 4 through 6 be presented to supplement the basic financial statements. Such information, although not a part of the basic financial statements, is required by the Governmental Accounting Standards Board, who considers it to be an essential part of financial reporting for placing the basic financial statements in an appropriate operational, economic, or historical context. We have applied certain limited procedures to the required supplementary information in accordance with auditing standards generally accepted in the United States of America, which consisted of inquiries of management about the methods of preparing the information and comparing the information for consistency with management's responses to our inquiries, the basic financial statements and other knowledge we obtained during our audit of the basic financial statements. We do not express an opinion or provide any assurance on the information because the limited procedures do not provide us with evidence sufficient to express an opinion or provide any assurance.

West Chester, Pennsylvania

Maillie LLP

May 16, 2016

MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited) YEAR ENDED DECEMBER 31, 2015

Our discussion and analysis of the East Goshen Municipal Authority's (the "Authority") financial performance provides an overview of the Authority's financial activities for the fiscal year ended December 31, 2015. Please read it in conjunction with the Authority's financial statements, which begin with the statement of net position.

### FINANCIAL HIGHLIGHTS

Cash represents 14% of the Authority's total assets, and the net investment in lease accounts for 86% of the total assets.

The Authority has \$10,177,000 in outstanding debt compared to \$10,662,000 last year. The Series of 1998 debt matures annually through 2018. The Series of 2008 matures annually through 2032. The Series of 2013 debt matures annually through 2033.

The total assets of the Authority exceeded its liabilities by \$538,544 (net position).

During the year ended December 31, 2015, total revenues of the Authority were \$963,145, and total expenses and transfers, net, were \$551,605. This resulted in an increase in net position for the year of \$411,540.

Included in expenses for 2015 was \$445,000 of net transfers to East Goshen Township. This included funds expended for payments to West Goshen Township for sewage treatment and other operating expenses.

The following two tables summarize the Authority's net position and changes in net position.

<u>Table 1 - Net Position</u>	2015	2014
ASSETS Cash Net investment in lease	\$ 1,461,277 9,260,809	\$ 1,589,176 9,208,768
TOTAL ASSETS	\$ <u>10,722,086</u>	\$10,797,944
LIABILITIES AND NET POSITION		
LIABILITIES Accounts payable Guaranteed notes payable TOTAL LIABILITIES	\$ 6,542 10,177,000 10,183,542	\$ 8,940 10,662,000 10,670,940
NET POSITION	538,544	127,004
TOTAL LIABILITIES AND NET POSITION	\$10,722,086_	\$ 10,797,944

MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)
YEAR ENDED DECEMBER 31, 2015

<u>Table 2 - Change in Net Position</u>		2015	_	2014
REVENUES	\$	963,145	\$	1,005,799
EXPENSES		551,605_	_	562,423
CHANGE IN NET POSITION		411,540		443,376
NET POSITION AT BEGINNING OF YEAR		127,004	_	(316,372)
NET POSITION AT END OF YEAR	\$_	538,544	\$_	127,004

### **OVERVIEW OF THE FINANCIAL STATEMENTS**

The Authority's annual financial report consists of several sections. Taken together, they provide a comprehensive financial look at the Authority. The components of the report include the independent auditors' report, management's discussion and analysis, financial statements and notes to the basic financial statements.

The independent auditors' report briefly describes the audit engagement and also renders an opinion as to the material components of the Authority's financial statements.

The Management's Discussion and Analysis (MD&A), prepared by the Township staff, provides a narrative introduction and overview that users of the financial statements need to interpret the basic financial statements. The MD&A also provides analysis of some key data that is presented in the basic financial statements. It also addresses any other currently known facts, decisions, or conditions that are expected to have a significant effect on financial position or results of operations.

The basic financial statements include the statement of net position, statement of revenues, expenses and changes in net position, statement of cash flows and the notes to the basic financial statements.

- The statement of net position shows the financial condition of the Authority at the end of the fiscal period or a specific snapshot in time.
- The statement of revenues, expenses and changes in net position measures the results
  of operations of the Authority during the fiscal period.
- The statement of cash flows measures the resources provided during the fiscal period and the uses to which they are put.
- The notes to the basic financial statements provide additional disclosures required by governmental accounting standards and provide information to assist the reader in understanding the Authority's financial condition.

MANAGEMENT'S DISCUSSION AND ANALYSIS (Unaudited)
YEAR ENDED DECEMBER 31, 2015

#### REPORTING

East Goshen Municipal Authority was established in 1967 to finance the construction of the Township's sewage collection and treatment facilities. A five-member board, appointed by the Township's Board of Supervisors, governs the Authority. Although legally separate, the Authority is considered a component unit of the Township because the Township is financially accountable for it. The major function of the Authority is to provide financing for capital construction, expansion and upgrades to the Township's sewage collection and treatment facilities. The Authority owns one sewage treatment plant, four pumping stations and 86 miles of sewer lines. The Township has the responsibility for daily operations through a leaseback arrangement with the Authority. One sewage treatment plant, the Lockwood Plant, was taken off-line in 2012, and capital improvements largely completed by the end of 2013 resulted in the closure of two pump stations, with the flows diverted to the Township's remaining sewage treatment plant.

Since 1979, the Authority has connected approximately 700 Equivalent Dwelling Units (EDUs) to the Township sewer system. Since the inception of the Authority, developers have connected roughly 1,700 EDUs to the system. Currently all of the business and commercial establishments in the Township are connected to either the public sewer system or to a community sewer system that serves Hershey's Mill Village. (Note: The Green Hill Sewer Association provides sewer service to the 1,720 dwelling units, Village Square Shopping Center and Wellington Hall life care facility, all of which are located within Hershey's Mill Village.) Of the 8,000 households in the Township, only 526 households (7%) utilize on-lot systems.

The Authority funded the construction costs for improvements to serve the homes connected by the Authority through a combination of tapping fees paid by property owners at the time of connection, a federal grant and debt incurred by the Authority.

### REQUESTS FOR INFORMATION

This financial report is designed to provide our citizens, taxpayers, customers, investors and creditors with a general overview of the Authority's finances and to show the Authority's accountability for the funds it receives and disburses. If you have questions about this report or need additional information, please contact the Director of Finance at East Goshen Township, 1580 Paoli Pike, West Chester, PA 19380.

STATEMENT OF NET POSITION DECEMBER 31, 2015

ASSETS		
CURRENT ASSETS Cash and cash equivalents	\$	1,461,277
NONCURRENT ASSETS  Net investment in lease		9,260,809
TOTAL ASSETS	\$_	10,722,086
LIABILITIES AND NET POSITION		
CURRENT LIABILITIES Accounts payable Accrued interest payable Current portion of guaranteed notes payable	\$	164 6,378 506,000
TOTAL CURRENT LIABILITIES		512,542
GUARANTEED NOTES PAYABLE, less current portion	-	9,671,000
TOTAL LIABILITIES		10,183,542
NET POSITION Unrestricted		538,544
TOTAL LIABILITIES AND NET POSITION	\$	10,722,086

STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION YEAR ENDED DECEMBER 31, 2015

OPERATING REVENUES Lease rental collections	878,890
OPERATING EXPENSES  East Goshen Township administrative charge Engineering fees Lease rental rebate Legal and accounting fees Other administrative expenses TOTAL OPERATING EXPENSES	32,303 32,427 27,409 13,000 1,466 106,605
OPERATING INCOME	772,285
NONOPERATING REVENUES Grant Investment income Tapping fees TOTAL NONOPERATING REVENUES	37,162 1,505 45,588 84,255
INCOME BEFORE TRANSFERS	856,540
TRANSFERS FROM EAST GOSHEN TOWNSHIP	40,000
TRANSFERS TO EAST GOSHEN TOWNSHIP	(485,000)
CHANGE IN NET POSITION	411,540
NET POSITION AT BEGINNING OF YEAR	127,004
NET POSITION AT END OF YEAR	\$538,544_

STATEMENT OF CASH FLOWS YEAR ENDED DECEMBER 31, 2015

CASH FLOWS FROM OPERATING ACTIVITIES  Lease rental payments  Payments to suppliers  NET CASH PROVIDED BY OPERATING ACTIVITIES	\$ _ _	878,890 (107,703) 771,187
CASH FLOWS FROM NONCAPITAL FINANCING ACTIVITIES  Net investment in lease  Transfers from East Goshen Township  Transfers to East Goshen Township  NET CASH USED BY NONCAPITAL FINANCING ACTIVITIES	-	(53,341) 40,000 (485,000) (498,341)
CASH FLOWS FROM CAPITAL AND RELATED FINANCING ACTIVITIES  Grant  Tapping fees received  Principal payments on debt  NET CASH USED BY CAPITAL AND RELATED FINANCING  ACTIVITIES	-	37,162 45,588 (485,000) (402,250)
CASH FLOWS FROM INVESTING ACTIVITIES Investment income	_	1,505
NET DECREASE IN CASH AND CASH EQUIVALENTS		(127,899)
CASH AND CASH EQUIVALENTS AT BEGINNING OF YEAR	-	1,589,176
CASH AND CASH EQUIVALENTS AT END OF YEAR	\$_	1,461,277
RECONCILIATION OF OPERATING INCOME TO NET CASH PROVIDED BY OPERATING ACTIVITIES Operating income Adjustments to reconcile operating income to net cash provided by operating activities	\$	772,285
Decrease in accounts payable		(1,098)
NET CASH PROVIDED BY OPERATING ACTIVITIES	\$	771,187

NOTES TO THE BASIC FINANCIAL STATEMENTS DECEMBER 31, 2015

## NOTE A - SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

East Goshen Municipal Authority (the "Authority") is a component unit of the reporting entity of which East Goshen Township (the "Township") is the oversight unit. In preparing its separate financial statements, the Authority applies the following significant accounting policies.

### Purpose of the Authority

The Authority was formed by the Township for the purpose of financing the sewage collection system, which is leased back to the Township for operation. The Authority's members are appointed by the Township.

### Basis of Presentation

The basic financial statements are prepared on the basis of Governmental Accounting Standards Board Statement No. 34, Basic Financial Statements--and Management's Discussion and Analysis--for State and Local Governments, and related standards.

### Basis of Accounting

The accompanying financial statements are presented on the accrual basis.

### **Use of Estimates**

The preparation of financial statements in conformity with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect certain reported amounts and disclosures. Accordingly, actual results could differ from those estimates.

### NOTE B - DEPOSITS AND INVESTMENTS

### Custodial Credit Risk - Deposits

Custodial credit risk is the risk that, in the event of a bank failure, the Authority's deposits may not be returned to it. The Authority uses both insurance provided by the Federal Deposit Insurance Corporation and collateralization to guard against custodial credit risk. Under the Authority's current policy, in addition to the insurance provided by the Federal Deposit Insurance Corporation, deposits held by banking institutions are fully collateralized. The Authority requires all of its banking partners to pledge collateral held by an independent third-party institution, not in the Authority's name, in the amount of at least 102% of the deposit value. As of December 31, 2015, \$283,321 of the Authority's bank balance of \$1,461,490 was covered under FDIC insurance, and the remaining \$1,178,169 was collateralized as described.

NOTES TO THE BASIC FINANCIAL STATEMENTS DECEMBER 31, 2015

### NOTE B - DEPOSITS AND INVESTMENTS (Continued)

#### Credit Risk

Pennsylvania statutes authorize the Authority to invest in U.S. Treasury bills, short-term obligations of the U.S. Government, obligations of the U.S. Government or Commonwealth of Pennsylvania or political subdivisions of the Commonwealth that are backed by the full faith and credit of the issuing government and shares of authorized investment companies provided that all of the company investments are authorized investments for an authority.

In addition, the Authority may invest in bank deposits, savings accounts, or share accounts of institutions insured by the FDIC, FSLIC, or NCUSIF to the extent that such investments are insured and, where amounts exceed the insured maximums, that the depository pledge collateral as provided by Pennsylvania law.

### **NOTE C - LEASE AGREEMENT**

The sewer system is maintained and operated by the Township under a long-term lease, which expires in 2033.

The lease agreement requires that the Township pay rents to the Authority equal to the amount of the Authority's monthly debt service. The Authority has agreed to rebate 28% of its debt service rental collections on the Guaranteed Note, Series of 1998, to the Township. The amount rebated back to the Township in 2015 was \$27,409.

Lease rental collections for 2015 are comprised of the following:

Payment for Authority debt service principal Payment for Authority debt service interest	\$ 485,000 393,890
Payment for Additiontly desired interest	\$ 878,890

The Authority's net investment in lease is equal to the balances of the Guaranteed Notes, Series of 1998, Series of 2008 and Series of 2013, less the reserve for future capital expenditures. Lease rental payments equal to the annual principal repayment of the notes are applied to reduce the net investment in lease. The balance at December 31, 2015, was \$9,260,809.

NOTES TO THE BASIC FINANCIAL STATEMENTS DECEMBER 31, 2015

#### **NOTE D - GUARANTEED NOTES PAYABLE**

The following is a summary of changes in guaranteed notes payable for the year ended December 31, 2015:

December 31, 2015	5:								
	Beginning Balance	Ado	ditions		Reductions		Ending Balance		Due Within One Year
						-		_	
NOTES Series of 1998 Series of 2008 Series of 2013	\$ 365,000 7,888,000 2,409,000	\$	- -	\$	(83,000) (308,000) (94,000)	\$	282,000 7,580,000 2,315,000	\$	89,000 320,000 97,000
	\$_10,662,000	\$	-	\$_	(485,000)	\$:	10,177,000	\$ =	506,000
Notes payable con	sisted of:								
Guaranteed Note, Series of 1998, to the Delaware Valley Regional Finance Authority (DVRFA), interest, payable monthly, at a fixed rate of 3.84%, principal payable annually through 2018, subject to a swap agreement \$282,000									
Guaranteed Note	, Series of 2								

Guaranteed Note, Series of 2008, to the DVRFA, interest, payable monthly, at a fixed rate of 3.96%, principal payable annually through 2032, subject to a swap agreement

7,580,000

Guaranteed Note, Series of 2013, to the DVRFA, interest, payable monthly, at a fixed rate of 3.049%, principal payable annually through 2033, subject to a swap agreement

2,315,000

\$ 10,177,000

Annual debt service requirements are as follows:

Year Ending December 31,		Principal Amount	 Interest	_	Totals
2016	\$	506,000	\$ 381,011	\$	887,011
2017		527,000	361,933		888,933
2018		548,000	342,055		890,055
2019		467,000	322,045		789,045
2020		484,000	304,527		788,527
2021 to 2025		2,714,000	1,235,596		3,949,596
2026 to 2030		3,273,000	685,149		3,958,149
2031 to 2033		1,658,000	100,008		1,758,008
	\$ _	10,177,000	\$ 3,732,324	\$_	13,909,324

NOTES TO THE BASIC FINANCIAL STATEMENTS DECEMBER 31, 2015

#### NOTE D - GUARANTEED NOTES PAYABLE (Continued)

Funds to repay outstanding notes will be provided from the aforementioned lease agreement. Total interest expense paid during the year ended December 31, 2015, was \$393,890. None of the interest costs incurred were charged to expenditures for the year ended December 31, 2015. Total interest capitalized in 2015 was \$393,890.

### Swap Agreement

The Authority financed the Series of 1998, 2008 and 2013 notes through the DVRFA. The DVRFA has, in turn, entered into interest rate swap agreements with various counterparties to provide fixed interest rates to borrowers. These agreements may be terminated under the following circumstances: (1) DVRFA and the counterparty mutually consent to termination, (2) the borrower defaults on its loan, or (3) DVRFA or the counterparty default or their financial conditions deteriorate to make a default imminent. Upon termination, DVRFA would receive or make a payment depending on the market value of the related interest rate swap. If DVRFA were obligated to make such a payment and sufficient funds were not available, DVRFA could assess each borrower its allocable share of the termination payment.

At December 31, 2015, the market value of the Township's interest rate swap agreements for fixed rate loans was \$1,419,327 and for DVRFA bonds was \$1,858,219. As of December 31, 2015, DVRFA would have received a payment of nearly \$160 million if all of the swap agreements were terminated. None of these amounts are reflected in the Authority's statement of net position or statement of revenues, expenses and changes in net position at December 31, 2015.

# EAST GOSHEN MUNICIPAL AUTHORITY EAST GOSHEN TOWNSHIP

1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

May 10, 2016

Mr. Thomas Tran, P.E. Commonwealth Engineers, Inc. 114 East Lancaster Avenue Downingtown, PA 19335

Re:

Brakman Property Subdivision 1420 East Strasburg Road West Chester, PA 19380 TPN 53-6-89

Dear Mr. Tran:

Please be advised that at their meeting on May 9, 2016 the East Goshen Municipal Authority approved your request for the connection of the existing dwelling at 1420 East Strasburg Road and the two (2) new dwelling units, which will be constructed on the new lots that will be created as a result of the above referenced subdivision.

The tapping fee for each connection is \$2,000. It is our understanding that each of the three connections will utilize a grinder pump and a force main to connect to manhole C373 located on Brooke Drive on manhole C372 located on Strasburg Road. The tapping fee for each of the new dwellings must be paid in full at the time of issuance of the building permit. The tapping fee for the existing dwelling shall be paid prior to the installation of the pump system.

In addition to the tapping fee, you would be responsible for all costs associated with the design of the pump systems, the cost of the Authority's engineer review of those designs, the cost for installation of the pump systems and force mains, the cost to obtain the HOP permit from Penn DOT, the cost of the Authority's Engineer inspection of the installations and the cost to pump and backfill the septic tank and/or cesspool for the existing dwelling. I have enclosed the information requested.

Please give me a call at 610-692-7171 or e-mail at <a href="mailto:rsmith@eastgoshen.org">rsmith@eastgoshen.org</a> if you have any questions or need additional information.

Sincerely,

Louis F. Smith, Jr. Township Manager

Cc:

Nate Kline, PE Mark Gordon

#### Prepared by and Return to:

Patrick M. McKenna, Esq. Gawthrop Greenwood, PC 17 East Gay Street P.O. Box 562 West Chester, PA 19381-0562

U.P.I. No. 53-4L-112	
	[Space Above This Line For Recording Data]

### SANITARY SEWER AND TEMPORARY CONSTRUCTION EASEMENT AGREEMENT

#### BACKGROUND

- A. Grantors are the owners of a certain parcel of land situated at and known as 1636 Bow Tree Drive, East Goshen Township, Chester County, Pennsylvania, containing 0.59 acres of land more or less, being known as Chester County UPI No. 53-4L-112, and being more fully bounded and described on **Exhibit "A"** attached hereto and made a part hereof ("Grantors' Property").
- B. East Goshen Township ("Township") is the owner of two parcels of land containing approximately six (6) and 42.39 acres of land, more or less, situated in East Goshen Township, Chester County, Pennsylvania, being known and designated as Chester County UPI Nos. 53-4L-18 and 53-4-578 ("Township Properties"), which are immediately adjacent to the southerly and easterly boundary lines of Grantors' Property, and being depicted on a certain Sanitary Sewer Easement Plan prepared for Grantee by Pennoni Associates, Inc.., registered land surveyors and professional engineers, dated 2016-1-27 (Project No. EGMA1504) attached hereto as Exhibit "B" and made apart hereof (the "Plan") for the purposes set forth in this Agreement.
- C. Grantee is the owner of the sanitary sewer system serving the Township and, in order to meet system needs, has designed a new pump station to be constructed on property owned by the Township and located at a certain parcel of land containing 6.8 acres of land, more less, and designated as Chester County UPI No. 53-4P-128 ("Reservoir Road Pump Station").

D. Grantee desires to construct a sanitary sewer through Township Properties ("Sanitary Sewer") to connect to the Reservoir Road Pump Station and has requested that Grantors grant to Grantee an easement over their Property to enable Grantee to connect the Sanitary Sewer between Township Properties. Grantors are willing to grant such easement to Grantee, under and subject to the terms and conditions set forth herein.

Now, therefore, in consideration of the mutual covenants and agreements of the parties set forth herein, and for other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, and intending to be legally bound hereby, the Grantors and Grantee agree as follows:

- 1. **Incorporation of Background**. The Background Recitals of this Agreement and the documents to which reference is made therein are incorporated herein by this reference. Any terms used in the substantive provisions of this Agreement that are defined in the background recitals shall have the meaning giving such terms in such recitals.
- 2. Grant of Easements. In consideration of the sum of Six Hundred Ninety Dollar(s) (\$690.00) in hand paid by Grantee to the Grantors at or before the execution and delivery of this Agreement, Grantors hereby grant unto Grantee, its heirs and assigns, the free, uninterrupted, perpetual, permanent and unencumbered easement appurtenant to Township's Properties across, under and through a portion of the Grantors' Property described by metes and bounds on Exhibit "C" ("Permanent Easement Area") attached hereto and made apart hereof and graphically depicted as "Permanent Easement" on the Plan; together with the right of Grantee, its contractors and subcontractors, to enter upon the Easement Area for the purpose of constructing, installing, maintaining, repairing and replacing, from time to time, a Sanitary Sewer for the purpose of conveying sanitary sewage effluent to the Reservoir Road Pump Station. Additionally, Grantors hereby give, grant, bargain, sell, and convey to the Grantee a non-exclusive easement over, upon and across a portion of the Grantors' Property described by metes and bounds on Exhibit "D" ("Temporary Construction Easement Area") on the Plan for the purposes set forth in this Agreement, all subject to the terms, conditions, and limitations set forth herein.
- 3. Purpose of Easements; Construction of Improvements. The sole and limited purpose of the Easements granted hereby is the construction, use, maintenance, inspection, repair and replacement of a Sanitary Sewer within the Permanent Easement Area and Temporary Construction Easement Area (collectively "Easement Areas") as shown on the Plans, and in accordance with the separate plans and specifications for construction of the Reservoir Road Pump Station for the benefit of the Grantee. To the extent located on the Grantors' Property, the Sanitary Sewer and related improvements shall be constructed underground.

# 4. Construction; Maintenance and Repair; Dedication.

Charles of California

a. Any facilities constructed within the Easement Areas by or for Grantee shall be constructed at no cost or expense to the Grantors. Grantee, its heirs and assigns, shall be solely responsible for the maintenance, repair and replacement, from time to time, of all such facilities.

- b. All work within the Grantors' Property in connection with the construction and installation of the Sanitary Sewer shall be subject to the inspection and approval of such work by the Authority Engineer.
- c. Upon completion of initial construction, or any subsequent repair or replacement, the surface area of the Easement Areas and all other areas of the Grantors' Property disturbed by the activities of Grantee, its heirs, assigns, contractors or subcontractors, shall be restored to a condition substantially the same as existed prior to such activities on the Grantors' Property. Such disturbed areas shall be graded, raked and seeded to the reasonable satisfaction of the Grantors.
- 5. Temporary Construction Easement Non-Exclusive. The Temporary Construction Easement is non-exclusive, and the Grantee reserves to itself, its successors and assigns, the non-exclusive right to use, pass and repass over and upon the Temporary Construction Easement at all times. Subject to the conditions contained in Section 7 below, each party shall use the rights granted and reserved by this Easement Agreement with due regard to the rights of the other party in use and enjoy the Temporary Construction Easement Area.
- 6. Termination of Temporary Construction Easement. The Temporary Construction Easement shall terminate upon the completion of the construction of the aforesaid new Sanitary Sewer and Reservoir Road Pump Station. Upon termination of this Easement, the Grantee shall, at its sole cost and expense, promptly record a Notice of Termination of this Easement in the Public Records of Chester County, Pennsylvania, if this Agreement has been recorded.
- 7. Conduct of the Grantee. The Grantee shall exercise its rights under this Easement Agreement in such a way as to be minimally disruptive to the Grantors' enjoyment of their property. The Grantee shall provide the Grantors with reasonable written notice prior to using the Easement Property.
- 8. Indemnification. Grantee, their heirs and assigns, shall indemnify, defend and hold Grantors harmless from and against all liabilities, actions, claims, suits and demands directly or indirectly arising out or caused by or attributable to the acts or omissions of Grantee, its contractors, subcontractors, material suppliers, and its and their employees, agents, servants and independent contractors, on or about the Easement Areas including without limitation all claims for bodily injury (including death), property damage, all mechanics' lien or similar claims, and all other claims of any kind or descriptions in any way arising out of the exercise of the easement rights granted herein and/or the construction, operation, maintenance, repair, or replacement of facilities constructed within the Easement Areas. Such indemnification shall include costs and reasonable attorneys' fees incurred by Grantors in recovering under this indemnity. Before entering (or causing its contractors, agents or employees to enter) upon the Easement Areas for any purpose, Grantee shall furnish to Grantors a certificate of insurance, evidencing that the contractor performing the work has obtained commercial general liability and property damage coverage with limits reasonably satisfactory to the Grantors, naming Grantors as an additional insured, which certificate shall further evidence that Grantee's contractor has in place worker's compensation insurance as required by law, and such other insurance coverage as is reasonably required by Grantors and that is consistent with insurance types and limits maintained by responsible contractors performing similar work.

- 9. Easements Running with the Land. This Agreement and the easements, covenants and agreements of the parties set forth herein shall constitute easements, covenants and agreements running with the land on which the Easement Areas are located, and shall inure to the benefit of the Grantee's Property, respectively, and shall be binding upon and inure to the benefit of the present and future owners thereof and their respective heirs, personal representatives, successors and assigns, tenants and subtenants. Any reference to "Grantee" herein shall be deemed to refer to the owner(s), at the relevant time, of Grantee's Sanitary Sewer.
- 10. **Governing Law**. This Agreement shall be governed and construed in accordance with the laws of the Commonwealth of Pennsylvania.
  - 11. Entire Agreement; Amendment. This Agreement is the entire and only understanding and agreement with respect to the subject matter hereof, and supercedes all prior and contemporaneous agreements, understandings, inducements or conditions, express or implied, oral or written. This Agreement may not be modified or amended other than by a written agreement, in writing, executed by the then-owners of record of the Easement Areas and the Grantee's Sanitary Sewer, and the recording thereof in the Office of the Recorder of Deeds in the County of Chester, Pennsylvania.

IN WITNESS WHEREOF, the parties have executed this Agreement as of the day and year first above written.

EAST GOSHEN MUNICIPAL AUTHORITY

By:	
Dana Pizarro, Chairman	
Dan D. Pris	
Donald A. Pusey	
Deborah Kolumy	_
Deborah K. Pusey	(

#### **Rick Smith**

From:

"John Jam" Jamgochian-RE/MAX Preferred <realtor@johnjam.com>

Sent:

Tuesday, May 24, 2016 4:01 PM

To:

Rick Smith

Cc:

Tom Krinock (tomkrin@aol.com)

Subject:

Public Sewer Tie In

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

RE: Thomas J. & Mary Jo Krinock

1329 N. Chester Road Malvern, PA. 19355 (East Goshen Township)

Tax Folio # 53-02-0020-03A

Rick,

I am the realtor representing the above owners on the sale of 1329 N. Chester Road. We would like to pursue the possibility of knowing what would be involved to tie into the public sewer system. Mr. & Mrs. Krinock's property boarders the Reserve at Spring Meadow and at the far right side of the Krinock's rear property is a 4 inch plastic PVC sewer vent with closed cap in that location. I believe this is access to a possible tie in for public sewer. When you have time, would you please confirm if this is a possibility and what would be involved along with hard costs that may required by East Goshen Township?

Thank you!

John

"John Jam"
Jamgochian
Associate Broker
PA. License # AB067522
Office License # RO301283



Preferred

1595 Paoli Pike Suite 101 West Chester PA. 19380 610-719-1700 Main Office 610-235-4400 Direct Line 610-316-9623 Cell 1-866-277-3377 Fax www.JohnJam.com Web-Site Realtor@JohnJam.com E-Mail

Selling? Buying? Investing? Renting?

### **Rick Smith**

Donohue Home <donohues5@comcast.net> From: Thursday, June 02, 2016 2:01 PM Sent: Rick Smith To: Mark Miller Cc: Re: 1631 Hunter Circle Subject: Thanks Rick. Let me know if you need more of if I need to appear. John Sent from my iPhone > On Jun 2, 2016, at 8:33 AM, Rick Smith < <a href="mailto:rsmith@eastgoshen.org">rsmith@eastgoshen.org</a>> wrote: > > John > I received your request. > It will be on the MA agenda for June 13. > The Tapping Fee is \$2,000 and the inspection fee is \$60. > I will have the Public Works Department see if there is a lateral stub > for your property. If there is not one your plumber would have to install one. > > Rick > -----Original Message-----> From: John Donohue [mailto:donohues5@comcast.net] > Sent: Wednesday, June 01, 2016 3:31 PM > To: rsmith@eastgoshen.org > Subject: FW: 1631 Hunter Circle > > Sorry Rick I inserted a dot in the address below > -----Original Message-----> From: John Donohue [mailto:donohues5@comcast.net] > Sent: Wednesday, June 01, 2016 3:21 PM > To: 'Mark Miller' < <a href="mmiller@eastgoshen.org">mmiller@eastgoshen.org</a>; 'r.smith@eastgoshen.org' > < r.smith@eastgoshen.org> > Subject: RE: 1631 Hunter Circle > Gentlemen > I spoke to Rick today about the process for getting permission from > East Goshen Township to connect to the sewer line that runs through my > back yard at 1631 Hunter Circle. I was told that in order to be > considered by the Municipal Authority at the next meeting on June 13,

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> I only needed to send an email making the connection request.
   This email is my request to connect to sewer line that runs through
>
> my backyard at 1631 Hunter Circle.
   Let me know if you need any further information. Thank you.
>
>
> John P. Donohue, Jr.
> 1631 Hunter Circle
> West Chester, PA 19380
 > 610-725-9128
 > -----Original Message-----
 > From: Mark Miller [mailto:mmiller@eastgoshen.org]
 > Sent: Wednesday, May 25, 2016 1:16 PM
 > To: 'John Donohue' < <a href="mailto:donohues5@comcast.net">donohues5@comcast.net</a>>
 > Subject: RE: 1631 Hunter Circle
 >
 > Mr. Donohue
 > The plans don't show a wye connection as you know the sewer is right
 > there and you could easily tie in. Should you want to go that route
 > please let me know so I can take your request to the Municipal
 > Authority for there next meeting which is June 13th.
  > Take Care
 > Mark
  >
  >
  >
  > Mark S. Miller
  > Director of Public Works
  > East Goshen Township
  > 1580 Paoli Pike
  > West Chester, PA 19380
  > O: (610) 692-7171 x3402
  > F: (610) 692-8950
  > mmiller@eastgoshen.org
   > www.eastgoshen.org
   >
  > -----Original Message-----
  > From: John Donohue [mailto:donohues5@comcast.net]
  > Sent: Wednesday, May 25, 2016 11:51 AM
   > To: 'Mark Miller'
   > Subject: RE: 1631 Hunter Circle
   >
   > Mark
     I am wondering if you can do me a favor. We are having some issues
   > with our septic system and may need to tie into the sewer line in our
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> back yard that we discussed below back in 2013. Can you find out if a
> connecting T was installed on our property for us to use? Someone
> from Horn Plumbing may also be making this same inquiry. Thanks.
>
> John
> -----Original Message-----
> From: Mark Miller [mailto:mmiller@eastgoshen.org]
> Sent: Wednesday, August 21, 2013 12:37 PM
> To: 'Donohue Home' < donohues 5@comcast.net >
> Subject: RE: 1631 Hunter Circle
>
> Great
> Thank you
> ----Original Message-----
> From: Donohue Home [mailto:donohues5@comcast.net]
> Sent: Wednesday, August 21, 2013 10:03 AM
> To: mmiller@eastgoshen.org
> Subject: 1631 Hunter Circle
>
> Mark
> Just wanted you to know I found and flagged the pipe in our back yard.
> John
> Sent from my iPhone
>
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# BOARD OF SUPERVISORS



EAST GOSHEN TOWNSHIP

CHESTER COUNTY 1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

May 20, 2016

**Dear Property Owner:** 

The purpose of this letter is to inform you that Gunnison Development Co., LLC equitable owner of 1420 E. Strasburg Rd., West Chester, PA 19380 has submitted a Subdivision and Land Development application for the property. The applicant is proposing to subdivide the 5.079 acre parcel into three lots and build two new single family homes. The full application and plans are available for review at the Township building. The new development will be served by public water and public sewer

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

June 1, 2016 – Planning Commission (7:00 PM)
June 8, 2016 Conservancy Board (7:00 PM)
July 6, 2016 – Planning Commission (7:00 PM)
August 3, 2016 – Planning Commission (7:00 PM)
August 16, 2016 – Board of Supervisors (7:00 PM)

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

Please give me a call if you have any questions or need additional information.

Sincerely,

Mark A. Gordon

**Township Zoning Officer** 

CC: All Authorities, Boards and Commissions

610-692-7171 www.eastgoshen.org

### **BOARD OF SUPERVISORS**

EAST GOSHEN TOWNSHIP

CHESTER COUNTY 1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199



May 20, 2016

**Dear Property Owner:** 

On Monday, June 27, 2016, at 7:30 P.M. prevailing time, at the East Goshen Township Building, 1580 Paoli Pike, West Chester, Pennsylvania, the East Goshen Township Zoning Hearing Board will conduct a public hearing on the appeal of Thomas Kevin Carney from the determination of the Zoning Officer with respect to the property located at 1325 Park Avenue, East Goshen Township, Chester County, Pennsylvania (Tax Parcel No. 53-6-45).

In particular, on April 5, 2016 the Zoning Officer issued a Zoning Ordinance Violation Enforcement Notice with respect to 1325 Park Avenue because the Township believed a home occupation or home related business was being conducted at the property without township approvals and/or permits. It is from this Enforcement Notice that the Applicant has filed the appeal.

If any person who wishes to attend the hearing has a disability and/or requires an auxiliary aid, service or other accommodation to observe or participate in the proceedings, he or she should contact the Township Building at 610-692-7171, to discuss how those needs may be accommodated.

The Zoning Hearing Board Application is available for review at the Township building during normal business hours.

Please give me a call if you have any questions or need additional information.

Sincerely,

Mark A. Gordon

**Township Zoning Officer** 

CC: All Township Authorities, Boards and Commissions