

**EAST GOSHEN MUNICIPAL AUTHORITY**

**September 8, 2014**

**Monday 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 August
  - d. East Goshen Township Flows
3. APPROVAL OF MINUTES
  - a. August 11, 2014
4. APPROVAL OF INVOICES

a. Pennoni	Invoice #603380	\$ 111.25
b. Pennoni	Invoice #603381	\$ 781.25
c. Pennoni	Invoice #603382	\$ 556.00
5. LIAISON REPORTS
6. FINANCIAL REPORTS
  - a. August 2014 Report
7. OLD BUSINESS
8. GOALS
  - a. Review current mission statement and provide the Board of Supervisors with changes, if needed – June 1, 2014  
  
**May 8 – The MA does not have a current mission statement. A first draft included in the packet. June 9 – Changed “lease” to “leasee”. Mission Statement approved by MA on June 9 - Completed**
  - b. Submit an article for each newsletter – Due date for newsletter  
Need by 1/31/14 – Dana **Completed**  
Need by 4/30/14 – Jack **Completed**  
Need by 7/1/14 - Kevin **Completed**

Need by 10/31/14

- c. Obtain PA DEP approval for the Act 537 Plan revision for the Reservoir Road Pump Station – December 31, 2014

**May 8 - Revisions submitted to EGMA, EGPC, WGSTP, CCHD, and CCPC  
July 14 – BOS scheduled to adopt resolution at their meeting on August 19.  
Resolution adopted and Plan revision sent to PA DEP on August 25.**

- d. Develop a recommendation on covers for the SBRs – August 1, 2014

**May 8 – Draft memo distributed. June 9 – Final memo in packet - Completed**

- e. Attend West Goshen Meetings quarterly – more often if needed.

1<sup>st</sup> Quarter (March) – Jack- **Completed**  
2<sup>nd</sup> Quarter (June) – Ed- **Completed**  
3<sup>rd</sup> Quarter (September) Ed - **Completed**  
4<sup>th</sup> Quarter (December)

- f. Respond to capacity requests in 45 days or less.  
**211 Ellis Lane – 1 EDU existing house, 195 Wyllpen Place – 1 EDU existing house, 3 Lucas Lane – 44 EDUs.**

- g. Continue to implement I & I Plan

**April 14 – Status Report received**

- h. Operate RCSTP in compliance with NPDES Permit

**January, February, March, May, June, July**

9. NEW BUSINESS

10. CAPACITY REQUESTS

11. ANY OTHER MATTER

12. CORRESPONDENCE AND REPORTS OF INTEREST

13. PUBLIC COMMENT

14. ADJOURNMENT

EAST GOSHEN MUNICIPAL AUTHORITY  
EAST GOSHEN TOWNSHIP  
1560 PAOLI PIKE, WEST CHESTER, PA 19380-6199

September 5, 2014

To: Municipal Authority  
From: Mark Miller  
Re: August 2014 Monthly Report

**Meters:** The permanent meters were read on a daily basis, no problems to report.

**C.C. Collection:** The pumping stations were visited on a daily basis. Wet wells were cleaned. We were notified about a lateral back up in Hershey Mill Estates. It turned out that the problem was the homeowner's responsibility. We had to perform a stream bank restoration on the Ashbridge line as the banks had eroded which exposed the pipe. We had to replace 180 feet of sewer main between Forrest Lane and Willow Pond, the pipe was crushed in several areas.

**R.C. Collection:** The pumping station was visited on a daily basis with no problems to report.

**R.C. Plant:** We had some alarm problems at the plant. Verizon was notified when we lost a phone line; once the phone line was repaired we still had problems with the alarm panel. The alarm panel was repaired and the system was put back on line.

**Alarms:** We responded to 15 alarms for the month of August.

**PA One Calls:** We received 88 PA One calls in August.

**Emergency Call:** 10 emergency call outs for the month of August.



**MEMORANDUM**

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

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

**DATE:** September 4, 2014

**SUBJECT:** Engineer's Report

**Invoices**

- Invoices with summaries are provided under separate cover.

**Reservoir Road Pump Station Act 537 Plan**

- The 30-day public comment period on the Act 537 Plan Update ended on August 14<sup>th</sup>. No written comments were received.
- The Plan Update was adopted by the East Goshen Township Board of Supervisors on August 19<sup>th</sup>.
- The Plan Update submitted to PADEP on August 25<sup>th</sup>.
- It is our understanding that Conestoga-Rovers & Associates resubmitted revised plans to USFWS around July 10<sup>th</sup> to address their bog turtle protection comments at the Chester Creek crossing. We are still awaiting USFWS approval. We have received informal feedback from USFWS so we do not expect substantial comments that would impact the Plan Update that was submitted to PADEP.
- Tentative Act 537 Planning schedule:

Estimated Date

- Submission to PADEP ..... August 25, 2014
- USFWS Bog Turtle Habitat Formal Approval ..... TBD
- PADEP Review and Approval (120 days)..... by December 23, 2014

**Reserve Pump Station Elimination**

- The contractor submitted revised as-built plans that were found acceptable. It is our understanding that the additional restoration work at the former driveway location has also been performed.

EGMA 1401

**New Sewer Connections**

- We reviewed a grinder pump plan submission for a proposed house at 610 Reservoir Road.



## Monthly Operations Report: August 2014

### Treatment Process Operation

During July 2014, there were no exceedances of the final effluent discharge limitations for outfall 001 and discharge from Outfall 002. The total phosphorus monthly average concentration of 0.36 mg/L as compared to the permitted limitation of 0.50 mg/L. The initial total phosphorus sample concentration for July 22, 2014 was reported as 2.1 mg/L. The sample was retested within the 28 day holding time which produced a concentration of 0.15 mg/L. The average of the two values were reported within the DMR. Table 1 illustrates the final effluent composite sample data reported for the July 2014 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.14 mg/L to 1.13 mg/L. A daily average of 80 gpd of aluminum sulfate solution was used as compared to the 92 gpd average for July.

Table 1

July 2014 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
July 1, 2014	0.270	2.0	4.5	8	18	0.16	0.36	0.20	0.45	1	0.0000
July 8, 2014	0.166	3.7	5.1	3	4	0.10	0.14	0.14	0.19	1	0.0000
July 15, 2014	0.199	3.0	5.0	2	3	0.12	0.19	0.37	0.61	1	0.0000
July 22, 2014	0.182	2.0	3.0	4.0	6	0.17	0.26	1.13	1.72	1	0.0000
July 29, 2014	0.214	2.4	4.3	2.0	4	0.12	0.22	0.17	0.30	1	0.0000
July 31, 2014	0.186							0.140	0.22		
Average	0.203	2.6	4.4	4	8	0.134	0.24	0.36	0.74	1	0.0000
Minimum	0.166	2.0	3.0	2	3	0.100	0.14	0.14	0.19	1	0.0000
Maximum	0.270	3.7	5.1	8	18	0.169	0.36	1.13	1.72	1	0.0000



A total of 4,265,236 gallons, which represented a daily average of 137,588 gpd, of treated effluent was discharged to Applebrook, Outfall 002. Table 2 represents the final effluent water quality data used to prepare the DMR for outfall 002.

**Table 2**

<b>July 2014 - Applebrook - Out Fall 002</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
July 1, 2014	0.1366	2.0	2.3	8	9	0.160	0.18	0.20	0.23	1	0.0000
July 8, 2014	0.1357	3.7	4.2	3	3	0.100	0.11	0.14	0.16	1	0.0000
July 15, 2014	0.1320	3.0	3.3	2	2	0.117	0.13	0.37	0.41	1	0.0000
July 22, 2014	0.1409	2.0	2.4	4	5	0.169	0.20	1.13	1.33	1	0.0000
July 29, 2014	0.1414	2.4	2.8	2	2	0.123	0.15	0.17	0.20	1	0.0000
July 31, 2014	0.138							0.14	0.16		
<b>Average</b>	<b>0.1374</b>	<b>0.0</b>	<b>3.0</b>	<b>4</b>	<b>4</b>	<b>0.134</b>	<b>0.15</b>	<b>0.36</b>	<b>0.41</b>	<b>1</b>	<b>0.0000</b>
<b>Minimum</b>	<b>0.1320</b>	<b>2.0</b>	<b>2.3</b>	<b>2</b>	<b>2</b>	<b>0.100</b>	<b>0.11</b>	<b>0.14</b>	<b>0.16</b>	<b>1</b>	<b>0.0000</b>
<b>Maximum</b>	<b>0.1414</b>	<b>3.7</b>	<b>4.2</b>	<b>8</b>	<b>9</b>	<b>0.169</b>	<b>0.20</b>	<b>1.13</b>	<b>1.33</b>	<b>1</b>	<b>0.0000</b>

Table 3 illustrates the influent wastewater pollutant loadings for June 2014. The influent loadings remained within the treatment facility design loadings. A discussion of the influent ammonia as nitrogen concentrations and loadings are provided in an attached memorandum as an appendix to this report.





**Table 3**

<b>July 2014 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
July 1, 2014	0.397	297	983	312	1,033	29.2	97	46.5	154	6.3	21
July 8, 2014	0.345	172	569	68	225	36.2	120	42.7	141	4.8	16
July 15, 2014	0.327	351	1,162	368	1,218	36.1	120	56.8	188	8.3	27
July 22, 2014	0.409	298	987	420	1,391	35.0	116	49.9	165	7.4	25
July 29, 2014	0.409	139	460	320	1,060	34.2	113	45.2	150	7.0	23
Average	0.377	251	925	298	967	34.1	113	48.2	162	6.8	22
Minimum	0.327	139	569	68	225	29.2	97	42.7	141	4.8	16
Maximum	0.409	351	1162	420	1391	36.2	120	56.8	188	8.3	27

Table 4 presents the available Outfall 001 final effluent data for the month of August 2014. There are no anticipated exceedances of the permitted limitations for the month of August. The fecal coliform sample result for August 12, 2014 is suspected as being the result of a sampling or test error. The effluent clarity and flows rates were observed to be within design basis of the facility. The subsequent test results for fecal coliform were reported as no detectable. The ultraviolet lamps presently exceed 21,000 hour per bank, whereas the lamps are reported as 70% at 9,800 hours. Replacement of one bank, 40 lamps is planned during September. The lamps in the second bank will be replaced during early 2015 to offset replacement of lamps by 6 months.

Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.





**Table 4**

<b>August 2014 - Final Effluent - Out Fall 001</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
August 5, 2014	0.180	5.4	8.1	4	6	0.25	0.38	0.15	0.23	1	0.0000
August 12, 2014	0.175	3.4	5.0	3	4	0.17	0.25	0.18	0.26	530	2.7243
August 19, 2014	0.217	2.0	3.6	2	4	0.16	0.29	0.15	0.27	1	0.0000
August 26, 2014	0.169						0.00	0.17	0.24	1	0.0000
<b>Average</b>	<b>0.185</b>	<b>3.6</b>	<b>5.6</b>	<b>3</b>	<b>5</b>	<b>0.195</b>	<b>0.23</b>	<b>0.16</b>	<b>0.25</b>	<b>5</b>	<b>0.6811</b>
<b>Minimum</b>	<b>0.169</b>	<b>2.0</b>	<b>3.6</b>	<b>2</b>	<b>4</b>	<b>0.161</b>	<b>0.00</b>	<b>0.15</b>	<b>0.23</b>	<b>1</b>	<b>0.0000</b>
<b>Maximum</b>	<b>0.217</b>	<b>5.4</b>	<b>8.1</b>	<b>4</b>	<b>6</b>	<b>0.253</b>	<b>0.38</b>	<b>0.18</b>	<b>0.27</b>	<b>530</b>	<b>2.7243</b>

During July 2014, treated effluent was discharged to Applebrook continuously. The data is presented in Table 5.

**Table 5**

<b>August 2014 - Applebrook - Out Fall 002</b>											
NPDES Permit Discharge Limitations	Flow	CBOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
August 5, 2014	0.1108	5.4	5.0	4	4	0.253	0.23	0.15	0.14	1	0.0000
August 12, 2014	0.1202	3.4	3.4	3	3	0.170	0.17	0.18	0.18	530	2.7243
August 19, 2014	0.1352	2.0	2.3	2	2	0.161	0.18	0.15	0.17	1	0.0000
August 26, 2014	0.1102					0.000	0.00	0.17	0.16	1	0.0000
<b>Average</b>	<b>0.1191</b>	<b>0.0</b>	<b>3.6</b>	<b>3</b>	<b>3</b>	<b>0.146</b>	<b>0.15</b>	<b>0.16</b>	<b>0.16</b>	<b>133</b>	<b>0.6811</b>
<b>Minimum</b>	<b>0.1102</b>	<b>2.0</b>	<b>2.3</b>	<b>2</b>	<b>2</b>	<b>0.000</b>	<b>0.00</b>	<b>0.15</b>	<b>0.14</b>	<b>1</b>	<b>0.0000</b>
<b>Maximum</b>	<b>0.1352</b>	<b>5.4</b>	<b>5.0</b>	<b>4</b>	<b>4</b>	<b>0.253</b>	<b>0.23</b>	<b>0.18</b>	<b>0.18</b>	<b>530</b>	<b>2.7243</b>



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

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

**Table 6**

<b>August 2014 - Influent Wastewater</b>											
Design Basis	Flow	BOD <sub>5</sub>		TSS		NH <sub>4</sub> -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
August 5, 2014	0.323	175	471	268	721	26.3	71	37.8	102	4.1	11
August 12, 2014	0.385	150	404	151	406	36.8	99	52.5	141	6.2	17
August 19, 2014	0.394	347	934	317	853	33.2	89	53.1	143	6.6	18
August 26, 2014	0.343										
<b>Average</b>	<b>0.361</b>	<b>224</b>	<b>603</b>	<b>245</b>	<b>660</b>	<b>32.1</b>	<b>86</b>	<b>47.8</b>	<b>129</b>	<b>5.6</b>	<b>15</b>
<b>Minimum</b>	<b>0.323</b>	<b>150</b>	<b>404</b>	<b>151</b>	<b>406</b>	<b>26.3</b>	<b>71</b>	<b>37.8</b>	<b>102</b>	<b>4.1</b>	<b>11</b>
<b>Maximum</b>	<b>0.394</b>	<b>347</b>	<b>934</b>	<b>317</b>	<b>853</b>	<b>36.8</b>	<b>99</b>	<b>53.1</b>	<b>143</b>	<b>6.6</b>	<b>18</b>

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during the month of June and July.

Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations increased slightly during August to as much as 90% coverage of the surface area. Increased sludge wasting rates ranged from 14 to 20 minutes per cycle to maintain the MLSS concentrations and F:M ratio within the desired goals. Aeration time was increased to a minimum of 230 minutes to provide for a total of approximately 63% of aeration during the 360 minute treatment cycle. The extended aeration period assists to offset the oxygen demand after extended periods of idle time between treatment cycles.





Daily monitoring of the influent and final effluent 24-hour composites samples for total phosphorus is ongoing. 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 was slightly decreased from a daily average of 92 gpd during July to 80 gpd during August to assist with total phosphorus removal. The aluminum sulfate dosages prior to filtration remained constant during June and July. The increase in alum addition, as well as the increased idle times, resulted in an increase in soda ash addition. During August, the soda ash addition average decreased slightly to approximately 416 lbs./day, as compared to 466 lbs./day during July. Soda ash assists towards maintaining pH concentrations above 7.0 standard units continued during the month.

SBR No. 2 remains out of service as a treatment unit, however, partially filled with MLSS which continuously mixed and aerated.

**Flow data:**

<b>July 2014</b>			
<b>Flow Meter Location</b>	<b>Total Volume for Month, MGD</b>	<b>Average Daily Flow, gpd</b>	<b>Daily Maximum Flow, gpd</b>
Influent Wastewater to Screening Building	Meter was O/S Flow meter failed on July 16, 2014	ND	ND
Influent Wastewater to SBRs	11.819	381,275	476,320
Internal Recycle	ND	ND	ND
Treated Effluent to Disc Filters	11.254	363,062	440,096
Final Effluent Discharge	5.965	192,419	250,000
Applebrook Golf Course	4.265	137,588	161,288



**Chemical Usage:**

July 2014		
Chemical	Daily Average	Total Monthly
Soda Ash	456	14,150
Magnesium Hydroxide	0	0
Aluminum Sulfate solution	2,842	92
Polymer (centrifuge)	8.1	130

*\*Sixteen (16) days of centrifuge operation*

**Solids Dewatering and Disposal: July 2014**

Sludge Dewatering Summary	
Gallons of sludge dewatered	356,092
Average Dewatered Total Solids, %	20.0%
Wet Tons	31.94
Dry Tons	6.375
Number of dumpsters	4

*\*A total of four (4) dumpsters were filled and four (4) dumpsters were removed during July.*

**Flow data:**

August 2014			
Flow Meter Location	Total Volume for Month, MGD	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	8.354*	309,393*	404,200*
Influent Wastewater to SBRs	11.564	358,435	490,336
Internal Recycle	1.807*	69,487*	154,420*
Treated Effluent to Disc Filters	11.112	358,435	490,336
Final Effluent Discharge	5.959	192,226	235,000
Applebrook Golf Course	4.054	130,757	151,900

*\*The influent flow meter data represents 27 days of flow measurements. The flow meter was repaired on August 3, 2014*





**Chemical Usage:**

<b>August 2014</b>		
<b>Chemical</b>	<b>Daily Average</b>	<b>Total Monthly</b>
Soda Ash	12,450	416
Magnesium Hydroxide	0	0
Aluminum Sulfate solution	2,469	80
Polymer (centrifuge)	6.95	139

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

**Solids Dewatering and Disposal: August 2014**

<b>Sludge Dewatering Summary</b>	
Gallons of sludge dewatered	381,135
Average Dewatered Total Solids, %	19.9%
Wet Tons	41.01
Dry Tons	8.161
Number of dumpsters	5

*\*A total of five (5) dumpsters were filled and five (5) dumpsters were removed during August.*

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

Sludge holding tank No. 1 was in service. The level at the beginning of the month was 10.53 feet and the level at the end of the month was 8.12 feet. The initial total solids concentration was 0.72% and ended the month as 0.75% total solids. The average pH concentration was 7.15 S.U. and total alkalinity of 232 mg/L. A total of 59,040 gallons of supernatant was decanted during the month. A total of 600 pounds of soda ash were added during the month for pH adjustment.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 7.03 feet and the level at the end was 10.61. The initial total solids concentration were 0.72% and ended the month as 0.63% total solids. The average pH concentration was 7.17 S.U. and total alkalinity of 216 mg/L. A total of 77,280 gallons of supernatant were decanted during the month. A total of 650 pounds of soda ash were added during the month for pH adjustment.





### **Significant Storm/Hydraulic Loading Events**

During August 11<sup>th</sup> through the morning of the 12<sup>th</sup>, 1.40 inches of rainfall were recorded at the facility. There were no issues as a result of the rainfall on the treatment process.

### **Minor Repairs and Preventative Maintenance**

- Installed replacement level transducers for sludge holding tank number 2.
- ACS was contacted and provided information, including photographs, of the level transducers for post flow equalization tank number 2. The replacement transducer is anticipated during early September.

Discussion of the Ridley Creek Sewage Treatment Plant SBR Influent Ammonia as Nitrogen Loading Rates.

September 5, 2014

Summary

The Ridley Creek Sewage Treatment Plant (RCSTP) influent ammonia as nitrogen data during the period of January 2013 through July 2014 was reviewed for comparison with the SBR design criteria. The data reviewed consisted of the influent monthly average and weekly maximum concentration expressed as mg/L and loading expressed as lbs/day were reviewed. The monthly average concentration of 31.3 mg/L is within the design concentration of 32 mg/L. There were several months that exceeded the design concentration of 32 mg/L as well as several which were below. The loading rates expressed as lbs./day remain well below the design loading rates for the SBR. Although the influent ammonia as nitrogen variability often exceeds the design basis for the SBR, the final effluent ammonia as nitrogen concentration has remained within compliance with the seasonal discharge limitations. Table 1 presents the data reviewed. Additionally, Figure 1 presents a trend of the influent concentrations and figure 2 presents the trend of loading rates.

Table 1

Month	Year	Ridley Creek Sewage Treatment Plant Ammonia as Nitrogen, mg/L					
		Design, mg/L	Design, lbs/day	Monthly Average, mg/L	Weekly Maximum, mg/L	Monthly Average, lbs/day	Weekly Maximum, lbs/day
January	2013	32	200	36.3	40.7	110	128
February	2013	32	200	35	45.7	116	175
March	2013	32	200	30.5	35.5	128	161
April	2013	32	200	32.9	38	96.9	115
May	2013	32	200	32.7	47.6	93.5	150
June	2013	32	200	33.9	36.2	123	138
July	2013	32	200	36.3	40.7	110	128
August	2013	32	200	31.3	34.3	95.8	114
September	2013	32	200	34.5	35.4	101	110
October	2013	32	200	32.1	37.8	98.8	131
November	2013	32	200	29.6	32.9	89.5	128
December	2013	32	200	30.7	38.1	99.1	129
January	2014	32	200	31.5	36.8	107	123
February	2014	32	200	25.7	34	96.6	116
March	2014	32	200	25.3	27.4	93.9	111
April	2014	32	200	25.2	35.2	128	172
May	2014	32	200	24.4	29.9	82.3	109
June	2014	32	200	32.9	34.7	121	143
July	2014	32	200	34.1	36.2	102	119
Average				31.3	36.7	105	132
Maximum				36.3	47.6	128	175

Figure 1

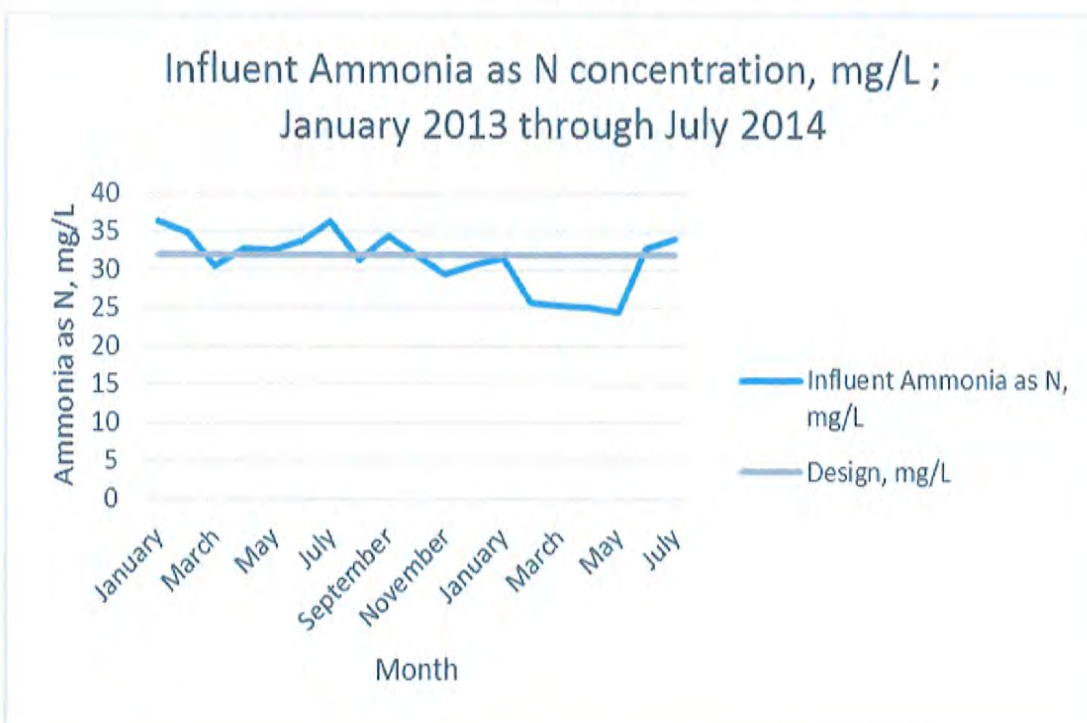
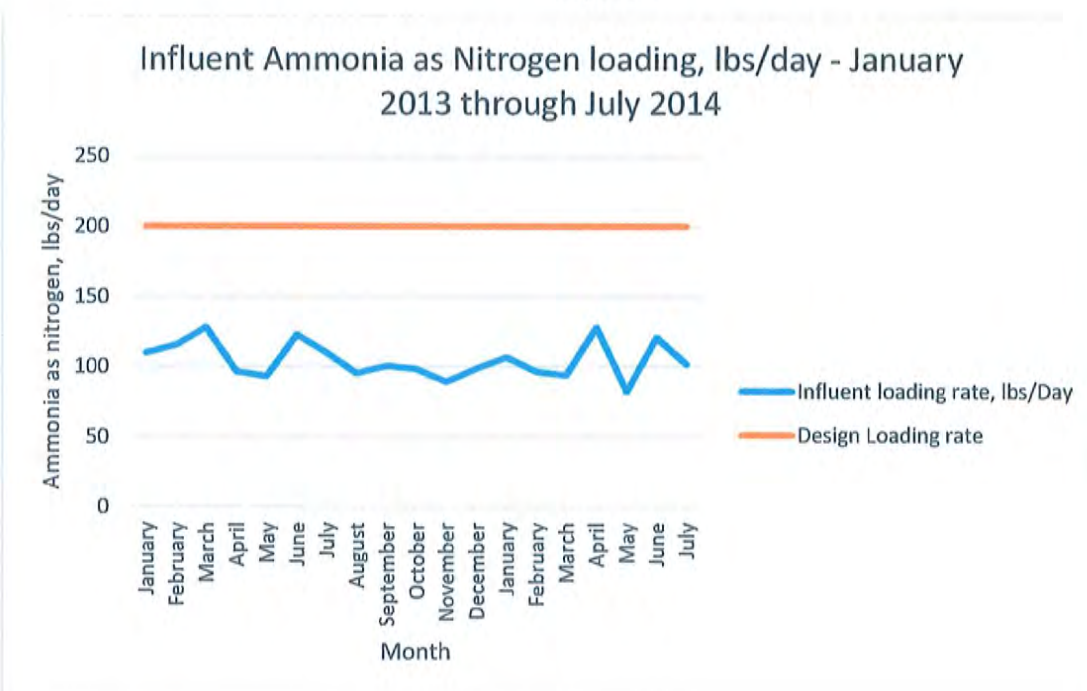


Figure 2



2013 FLOWMETERS

2014 AUGUST 3RD QUARTER- METERS FROM WEST GOSHEN - CC COLLECTION

Precip Inches	DATE	WESTTOWN WAY		ELLIS LANE		PAOLI PIKE		WILSON DRIVE		SUMMIT		NET FLOWS
		READING	GPD	READING	GPD	READING	GPD	READING	GPD	READING	GPD	
0.25	08/01/14											
0.15	08/02/14											
0.05	08/03/14											
0.00	08/04/14	1,770,591	872000	6,003,133	85,243	3,601,804	55,430	2,179,134	51,010	24,000	24,000	680,318
0.00	08/05/14	1,771,508	917000	6,011,317	81,840	3,607,226	54,220	2,187,189	80,550	24,000	24,000	700,390
0.03	08/06/14	1,772,392	884000	6,019,266	79,490	3,612,430	52,040	2,193,608	64,190	24,000	24,000	688,280
0.00	08/07/14	1,773,289	897000	6,027,166	79,000	3,617,803	53,730	2,199,776	61,680	24,000	24,000	702,590
0.00	08/08/14											702,590
0.00	08/09/14											702,590
0.00	08/10/14											702,590
0.00	08/11/14	1,776,675	846500	6,059,567	81,003	3,638,907	52,760	2,217,422	44,115	24,000	24,000	668,623
1.38	08/12/14											668,623
0.05	08/13/14	1,778,622	973500	6,081,180	108,065	3,650,941	60,170	2,232,004	72,910	24,000	24,000	732,355
0.30	08/14/14	1,779,587	965000	6,090,395	92,150	3,656,687	57,460	2,239,727	77,230	24,000	24,000	738,160
0.00	08/15/14											738,160
0.00	08/16/14											738,160
0.00	08/17/14											738,160
0.00	08/18/14	1,783,149	890500	6,126,293	89,745	3,678,844	55,393	2,260,233	51,265	24,000	24,000	694,098
0.00	08/19/14	1,784,076	927000	6,134,812	85,190	3,684,553	57,090	2,267,418	71,850	24,000	24,000	712,870
0.00	08/20/14											712,870
0.00	08/21/14	1,785,892	908000	6,150,924	80,560	3,695,241	53,440	2,284,634	86,080	24,000	24,000	687,920
0.00	08/22/14	1,786,785	893000	6,158,944	80,200	3,700,538	52,970	2,293,229	85,950	24,000	24,000	673,880
0.40	08/23/14											673,880
0.00	08/24/14											673,880
0.00	08/25/14											673,880
0.00	08/26/14											673,880
0.00	08/27/14											673,880
0.00	08/28/14	1,792,135	891666	6,207,646	81,170	3,734,365	56,378	2,333,656	67,378	24,000	24,000	686,739
0.00	08/29/14	1,792,993	858000	6,214,970	73,240	3,739,670	53,050	2,340,477	68,210	24,000	24,000	663,500
0.00	08/30/14											
1.00	08/31/14											
4.03	Day Avg		901,782		84,377		54,933		67,878	24,000	24,000	696,264
	Day Count		13		13		13		13	13	13	26
					EG TWP							
				MONTH TO DATE								
				NORMAL MONTH TO DATE	4.03							
				YEAR TO DATE								
				NORMAL YEAR TO DATE	38.68							



2013 FLOWMETERS

<b>2013 AUGUST 3RD QUARTER- METERS FROM WEST GOSHEN - CC COLLECTION</b>											
	HERSHEY'S MILL		ASHBRIDGE		HICKS METER		RESERVOIR		BARKWAY		
	READING	GPD	READING	GPD	READING	GPD	READING	GPD	READING	GPD	
08/01/14											
08/02/14											
08/03/14											
08/04/14	18,006,718	570,785	1,949,677	54,780	14,019,465	204,790	53,702,694	579,690	3,308,182	8,973	
08/05/14	18,058,810	520,920	1,950,211	53,400	14,045,183	257,180	53,766,573	638,790	3,309,045	8,630	
08/06/14	18,115,166	563,560	1,950,759	54,800	14,068,683	235,000	53,826,673	601,000	3,309,924	8,790	
08/07/14	18,170,844	556,780	1,951,324	56,500	14,093,402	247,190	53,888,460	617,870	3,310,773	8,490	
08/08/14											
08/09/14											
08/10/14											
08/11/14	18,390,174	548,325	1,953,443	52,975	14,173,787	200,963	54,110,245	554,463	3,314,419	9,115	
08/12/14											
08/13/14	18,502,950	563,880	1,954,616	58,650	14,225,524	258,685	54,245,902	678,285	3,316,356	9,685	
08/14/14	18,557,870	549,200	1,955,177	56,100	14,252,616	270,920	54,313,835	679,330	3,317,306	9,500	
08/15/14											
08/16/14											
08/17/14											
08/18/14	18,769,886	530,040			14,340,694	220,195	54,550,339	591,260	3,320,879	8,933	
08/19/14	18,827,542	576,560	1,957,918	54,820	14,366,946	262,520	54,614,788	644,490	3,321,910	10,310	
08/20/14											
08/21/14	18,938,924	556,910	1,959,009	54,550	14,419,912	264,830	54,741,564	633,880	3,323,869	9,795	
08/22/14	18,992,678	537,540	1,959,526	51,700	14,445,027	251,150	54,802,980	614,160	3,324,790	9,210	
08/23/14											
08/24/14											
08/25/14											
08/26/14											
08/27/14											
08/28/14	19,318,832	543,590	1,962,787	54,350	14,585,826	234,665	55,160,128	595,247	3,330,504	9,523	
08/29/14	19,368,010	491,780	1,963,288	50,100	14,610,694	248,680	55,219,264	591,360	3,331,385	8,810	
08/30/14											
		546,913		54,394		242,828		616,910		9,213	
	13		12		13		13			13	



## 2014 SUMMARY OF METER READINGS

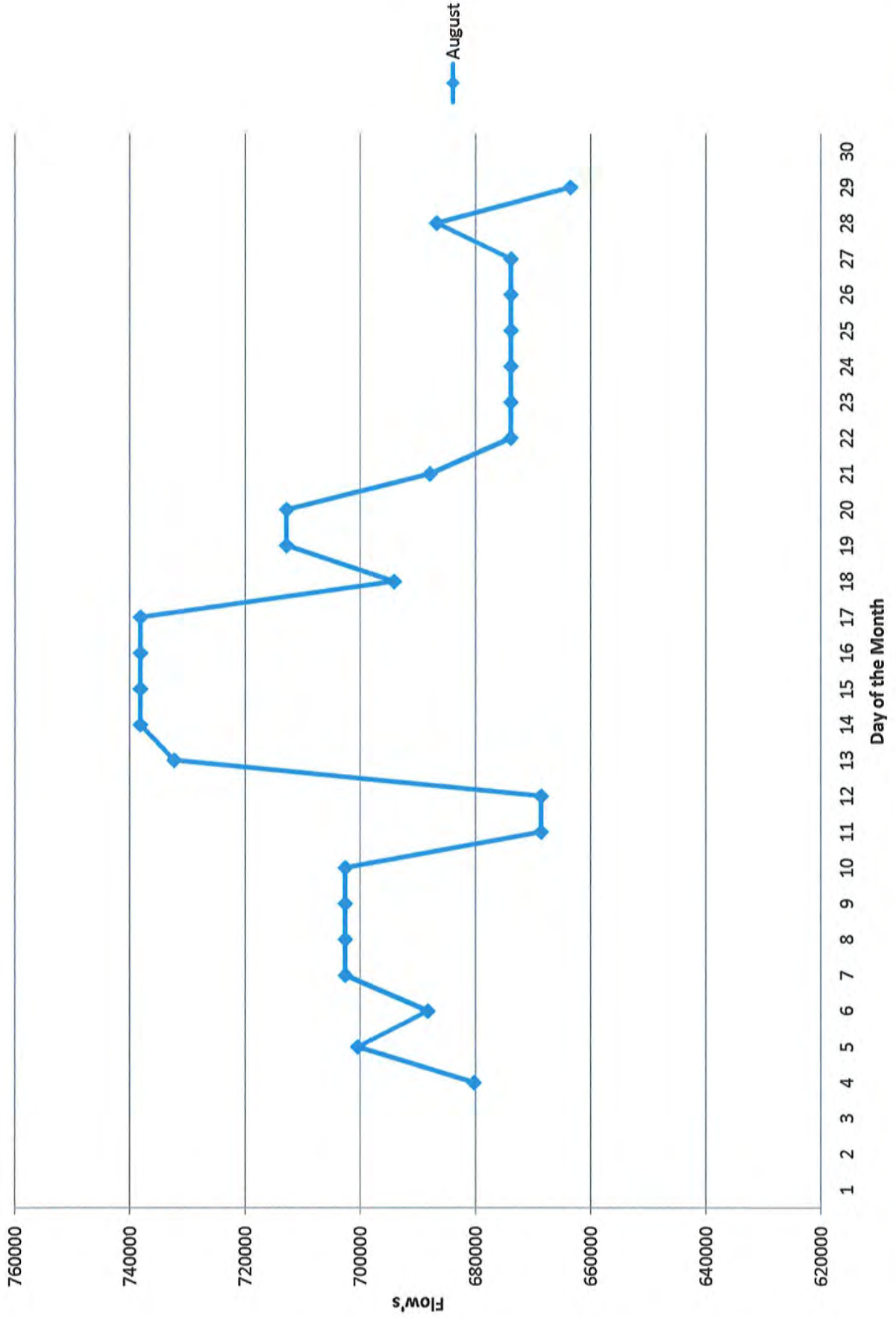
	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	BARKWAY
JANUARY	1,120,955	112,631	63,436	80,890	24,000			255,116	795,376	
FEBRUARY	1,249,173	138,449	68,472	88,803	24,000			287,831	881,433	
MARCH	1,182,533	126,933	67,479	84,197	24,000	860,074	75,186	291,520	827,109	28,696
APRIL	1,242,798	143,329	76,736	88,674	24,000	1,029,229	79,139	300,256	806,253	12,331
MAY	1,542,161	175,112	95,766	94,501	24,000	1,337,536	117,391	357,808	937,139	20,786
JUNE	1,117,632	118,019	66,596	96,366	24,000	718,059	68,339	287,327	744,579	11,081
JULY	965,691	100,935	55,946	86,968	24,000	613,087	57,604	261,340	676,846	9,610
AUGUST	901,782	84,377	54,933	67,878	24,000	546,913	54,394	242,828	616,910	9,213
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										
<b>Total Flows</b>										
<b>Monthly Ave</b>	<b>1,165,341</b>	<b>124,973</b>	<b>68,671</b>	<b>86,035</b>	<b>24,000</b>	<b>850,816</b>	<b>75,342</b>	<b>285,503</b>	<b>785,706</b>	<b>15,286</b>

To  
West Goshen                      885,662

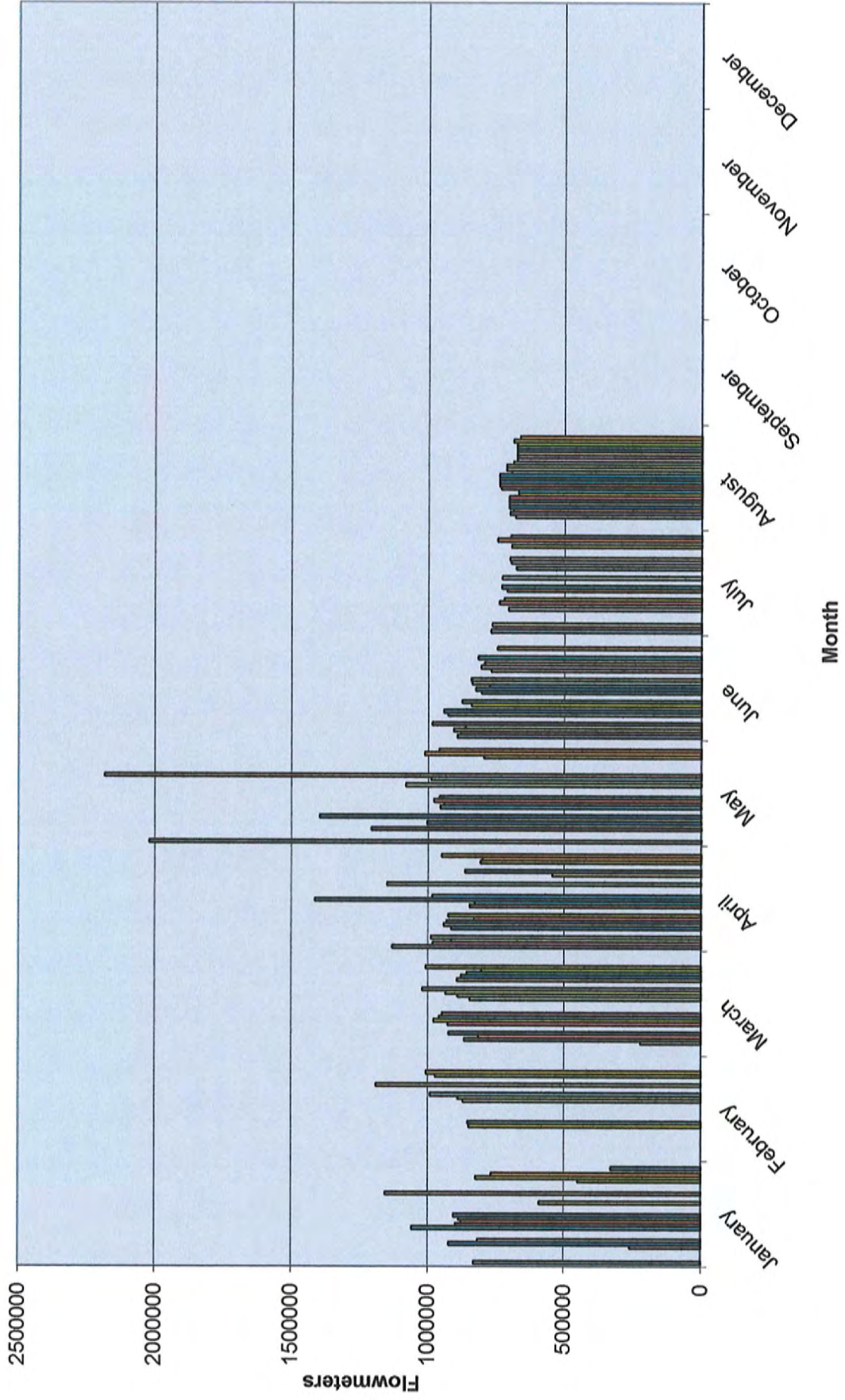
## 2014 SUMMARY OF METER READINGS

	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT
JANUARY	1,120,955	112,631	63,436	80,890	24,000
FEBRUARY	1,249,173	138,449	68,472	88,803	24,000
MARCH	1,182,533	126,933	67,479	84,197	24,000
APRIL	1,242,798	143,329	76,736	88,674	24,000
MAY	1,542,161	175,112	95,766	94,501	24,000
JUNE	1,117,632	118,019	66,596	96,366	24,000
JULY	965,691	100,935	55,946	86,968	24,000
AUGUST	901,782	84,377	54,933	67,878	24,000
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					
<b>Total Flows</b>					
Monthly Ave	<b>1,165,341</b>	<b>124,973</b>	<b>68,671</b>	<b>86,035</b>	<b>24,000</b>

# Flowmeters August 2014

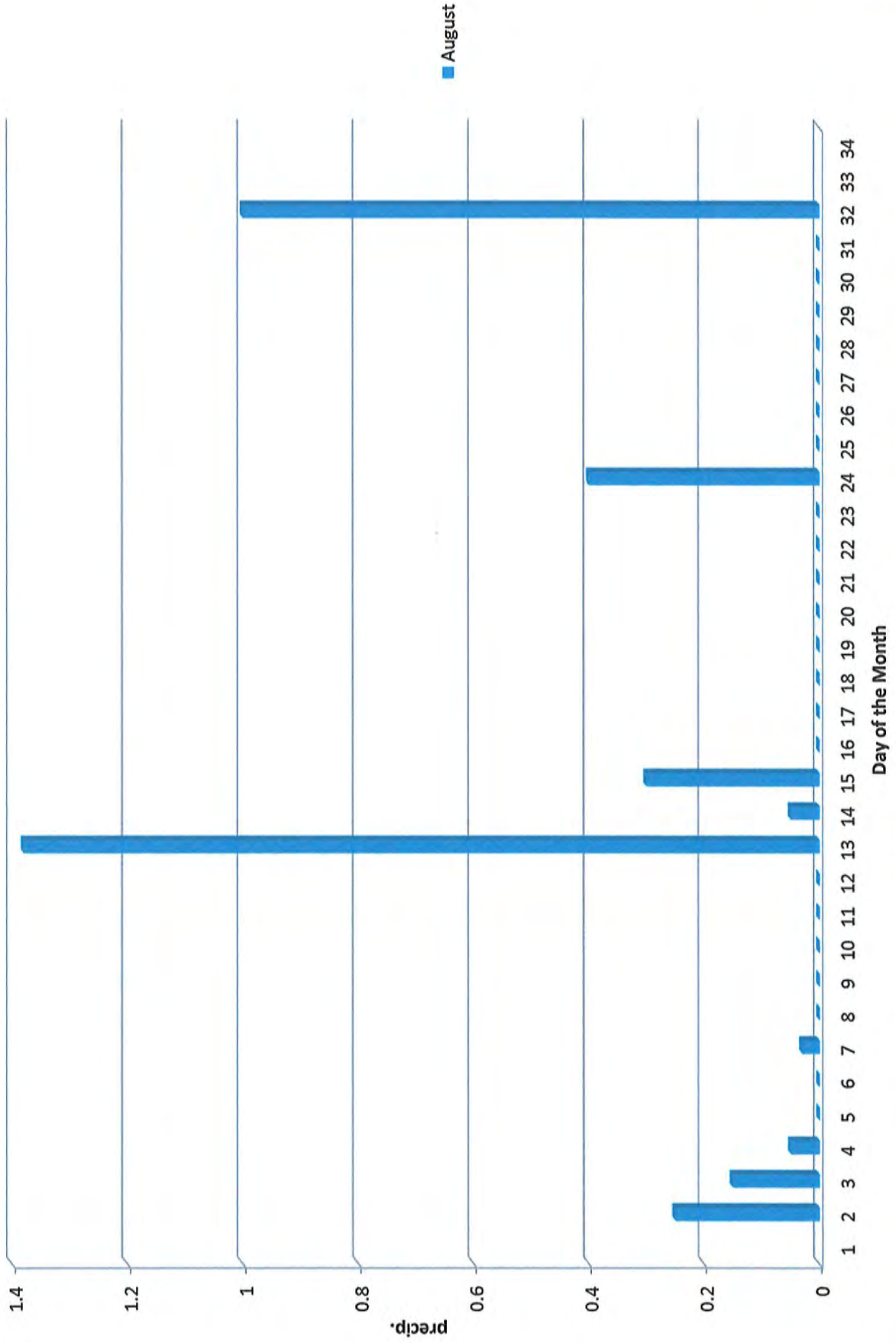


# Monthly Totals 2012 Jan-Dec



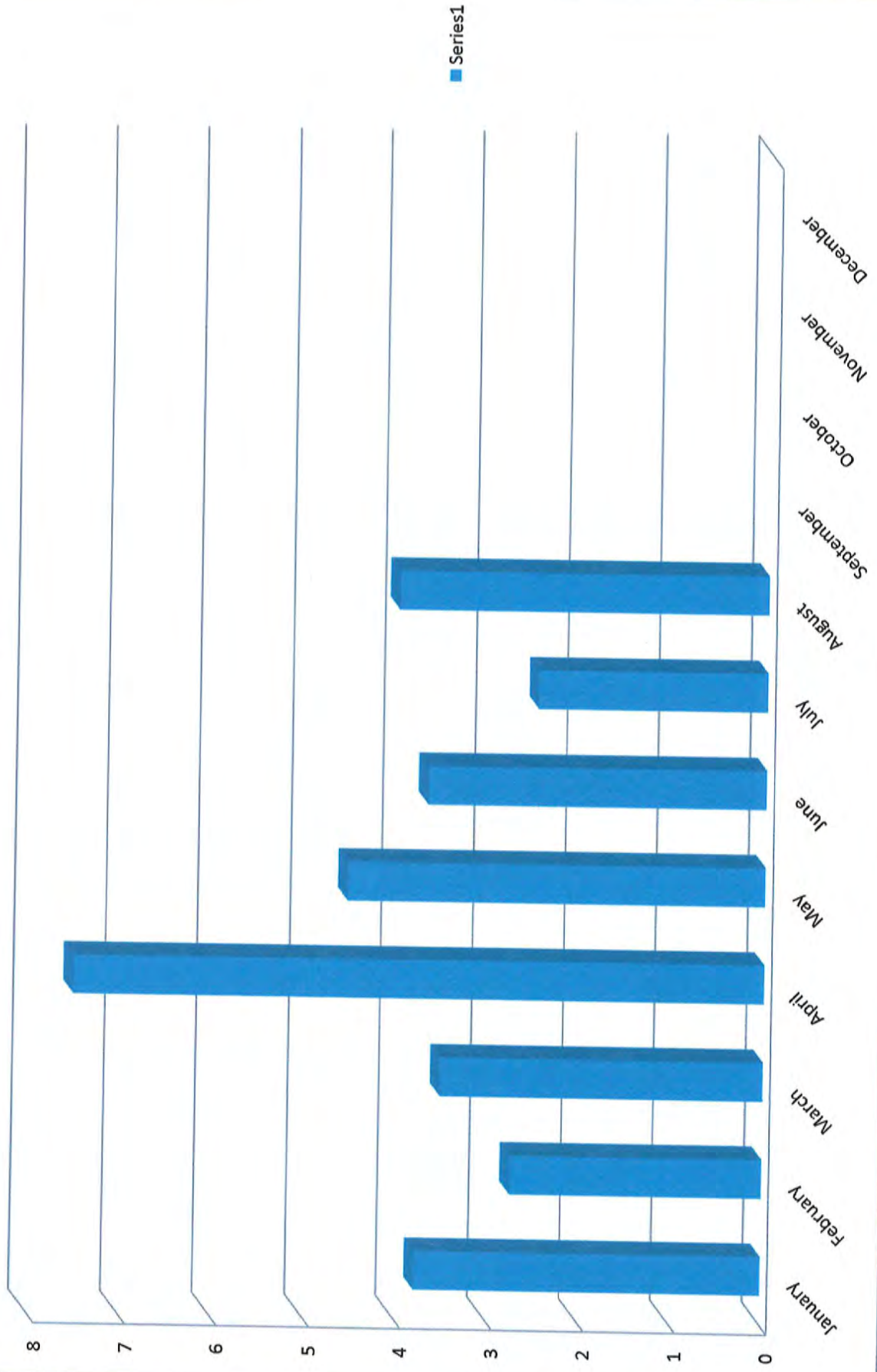


# August Precip. 4.03 - 2014





# 2013 Monthly Precipitation



1 draft  
2 EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
3 MEETING MINUTES  
4 August 11, 2014  
5

6 The East Goshen Township Municipal Authority held their regular public meeting on Monday,  
7 August 11, 2014 at 7:00 pm at the East Goshen Township building. Members in attendance  
8 were: Chairman Jack Yahraes, Kevin Cummings, Dana Pizarro, Ed McAssey and Fran Beck.  
9 Also in attendance were: Rick Smith (Township Manager), Bob Adams (Attorney), and Mike  
10 Ellis (Pennoni).

11  
12 **COMMON ACRONYMS:**

13 *BFES – Big Fish Environmental Services*                      *MA- Municipal Authority*  
14 *BOS – Board of Supervisors*                                      *NPDES – National Pollutant Discharge Elimination System*  
15 *CB – Conservancy Board*    *PC – Planning Commission*  
16 *DEP – Department of Environmental Protection*              *PR – Park & Recreation Board*  
17 *EPA – Environmental protection Agency*                      *RCSTP – Ridley Creek Sewer Treatment Plant*  
18 *HC – Historical Commission*                                      *SBR – Sequencing Batch Reactor*  
19 *I&I – Inflow & Infiltration*                                      *SSO – Sanitary System Overflow*  
20 *LCSTP – Lockwood Chase Sewer Treatment Plant*              *WAS – Waste Activated Sludge*  
21

22 **Call to Order & Pledge of Allegiance**

23 Jack called the meeting to order at 7:00 pm and led those present in the Pledge of Allegiance.  
24 There was a moment of silence to remember the troops and all veterans. Jack asked if anyone  
25 would be recording the meeting and there was no response.  
26

27 **Chairman’s Report/Other Members’ Reports**

28 Jack attended the West Goshen meeting which was mostly about inspections of Goose Creek.  
29 Dana will attend the PMA Conference at the end of the month.  
30

31 **Sewer Reports**

32 **1. Director of Public Works**

33 Mark Miller reported for July 2014:

34 Meters: All meters were read on a daily basis. We were finally able to install the  
35 portable flow meters at the locations that Mike Ellis suggested.

36 CC Collection: We cleaned and televised 11,200 feet of sewer lines in July. The pumps  
37 that we pulled were rebuilt by Deckmen Electric and put back on the shelves. Pumping  
38 stations were visited on a daily basis with no problems to report.

39 RC Collection: The Hunt Country pump station was visited on a routine basis. We  
40 cleaned and televised 12,800 feet of pipe, several sags were found and two sections of  
41 pipe were crushed. We replaced 180 feet of 8” pipe.

42 RC Plant: The emergency generator was utilized several times this month at the plant  
43 and the pumping stations.

44 Alarms: We responded to 15 alarms for the month of July.

45 PA One Calls: We received 97 PA calls in July.

46 Emergency Call: 17 emergency call outs for the month of July, two were for lateral  
47 blockages, the rest were alarms due to the storms.

48 Rick added that they started the extension to Wylpen.

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

2 Mike Ellis gave the following report:

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

4 Reservoir Rd Pump Station Act 537 Plan: We prepared updated hard and electronic copies of  
5 the Act 537 plan for public review. The 30-day public comment period began on July 14 and  
6 will end on August 14.

7 We received Act 537 Plan review forms from the Chester Co. Planning Commission and an  
8 approval letter from the West Goshen Sewer Authority. The only outstanding agency  
9 consistency review is from West Goshen Township Planning Commission. Reviews were due  
10 by July 9.

11 It is our understanding that Conestoga-Rovers & Assocs. resubmitted revised plans to USFWS  
12 around July 10 to address their bog turtle protection comments at the Chester Creek crossing.

13 We are awaiting USFWS approval.

14 We notified the Township of an open grant application from PA DCED that funds Act 537 Plans,  
15 for which this project would be eligible.

16 Tentative Act 537 Planning schedule:

	<u>Estimated Date</u>
17	
18 End 30-day public comment period	August 12, 2014
19 USFWS Bog Turtle Habitat formal approval	by August 21, 2014?
20 East Goshen Twp. Adoption	August 19, 2014
21 Submission to PADEP	August 22, 2014
22 PADEP Review and Approval (120 Days)	December 21, 2014
23	

24 Reserve Pump Station Elimination – The contractor was notified that grass is not growing in well  
25 in the former driveway location. We are still awaiting resubmission of as-built plans with  
26 surveyed manhole elevations also. The contractor responded that as-built plans will be submitted  
27 and additional topsoil and seed will be placed by August 14.

28 New Sewer Connections

29 We reviewed the final revised design plans and report submission for a new private wastewater  
30 pump station for Acero Precision at 1340 Enterprise Dr and issued a final comment letter.

31 We reviewed shop drawings for the sanitary sewer extension at Sunny Ridge Farm (Cornwallis  
32 Dr) and communicated comments and revisions with the developer's contractor.

33 Rick added that Richard Jackson, resident, called with questions about the Reservoir Road Pump  
34 Station.

35  
36 **3. Big Fish Environmental Services** – The following is Scott's report for June & July 2014:

37 Treatment Process Operation June 2014- During May 2014, there were no exceedances of the  
38 final effluent discharge limitations for outfall 001 and no discharge from Outfall 002. The  
39 monthly average total phosphorus concentration was 0.26 mg/L as compared to the discharge  
40 limitation of 0.5 mg/L.

41 During the month, the final effluent total phosphorus concentration discharged ranged from 0.20  
42 mg/L to 0.32 mg/L with an average of 82.6 gallons per day of aluminum sulfate solution.

43 There was no discharge to Applebrook, Outfall 002, during May 2014. During June 2014,  
44 138,000 gallons were discharged to Applebrook.

45 The influent wastewater pollutant concentrations and loading entering the wastewater treatment  
46 facility remained within the design concentrations and loadings. Composite samples are collected

1 at the influent doghouse manhole and influent wet well. The influent flow meter reading is  
2 collected from the influent flow meter located prior to the Screening Building, excluding the  
3 internal recycle flows.

4 Sequencing batch reactors (SBRs) 1, 3 and 4 were in service during the month of June.  
5 Process monitoring of each SBR included ammonia as N, Nitrite as N, Nitrate as N, COD, SSV,  
6 MLSS and total phosphorus. Foam concentrations remain reduced during the month of June.  
7 Adjustments to the treatment process to maintain the MLSS concentrations and the F:M ratio  
8 within the target range of 0.045 to 0.06 were ongoing during the month. Daily monitoring of the  
9 influent and final effluent 24-hour composites samples for total phosphorus is ongoing. Daily  
10 analysis of the final effluent flow equalization grab sample total phosphorus is ongoing.

11 Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued.  
12 The volume of aluminum sulfate solution to the SBRs was increased from a daily average of  
13 82.6 gpd during May to 101 gpd during June to assist with total phosphorus removal. Increased  
14 aluminum sulfate dosages prior to filtration were increased during the month. The increase in  
15 alum addition resulted in an increase in soda ash addition. During May the daily average soda  
16 ash addition was 439 lbs/day as compared to the June daily average of 500 lbs/day. SBR #2  
17 remains out of service as a treatment unit

18 **Solids Dewatering and Disposal:** May 2014  
19 During the month, sludge wasting to the sludge holding tanks and decanting of the sludge  
20 holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.  
21 Sludge holding tank #1 was in service. The level at the beginning of the month was 7.44 feet  
22 and the level at the end of the month was 11.72 feet. The initial total solids concentration was  
23 0.62% and ended the month as 0.73% total solids. The average pH concentration was 7.30 S.U.  
24 and total alkalinity of 386 mg/L. No supernatant was decanted during the month. A total of  
25 1,000 pounds of soda ash were added during the month for pH adjustment.  
26 Sludge holding tank #2 was in service. The level at the beginning of the month was 14.39 feet  
27 and the level at the end of the month was 13.99 feet. The initial total solids concentration was  
28 0.97% and ended the month as 0.80% total solids. The average pH concentration was 7.38 S.U.  
29 and total alkalinity of 490 mg/L. 83,626 gallons of supernatant were decanted during the month.  
30 A total of 100 pounds of soda ash were added during the month for pH adjustment.

31 **Significant storm/hydraulic Loading Events** – None were experienced past May 2, 2014.  
32 **Minor Repairs and Preventive Maintenance**  
33 No minor repairs or preventative maintenance was performed during June 2014.

34 **Treatment Process Operation July 2014-** During June 2014, there were no exceedances of the  
35 final effluent discharge limitations for outfall 001 and no discharge from Outfall 002. The  
36 monthly average total phosphorus concentration was 0.28 mg/L as compared to the discharge  
37 limitation of 0.5 mg/L.  
38 During the month, the final effluent total phosphorus concentration discharged ranged from 0.56  
39 mg/L to 0.10 mg/L with a daily average of 101 gallons as compared to the month of May daily  
40 average of 83 gallons per day of aluminum sulfate solution.  
41 A total of 138,000 gallons of treated effluent were discharged to Applebrook, Outfall 002, on  
42 June 30, 2014. The influent loadings remained within the treatment facility design loadings.  
43 There are no anticipated exceedances of the permitted limitations for the month of July. Split  
44 sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing  
45 for comparative analysis and daily results. The final effluent total phosphorus collected on July  
46 22, 2014 appears to have a sampling or laboratory analysis error. The initial concentration

1 reported is 2.1 mg/L, whereas, all process monitoring, final effluent quality and comparative  
2 sample analysis indicates the concentration should be less than 0.5 mg/L. The laboratory was  
3 instructed to retest the sample as it remains within the 30 day holding period. The influent  
4 wastewater pollutant concentrations and loading entering the wastewater treatment facility  
5 remained within the design concentrations and loadings. Composite samples are collected at the  
6 influent doghouse manhole and influent wet well. The influent flow meter reading is collected  
7 from the influent flow meter located prior to the Screening Building, excluding the internal  
8 recycle flows.

9 Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV,  
10 MLSS and total phosphorus. Foam concentrations remain stable at approximately 15 to 25%  
11 coverage of the surface area during the month of July. Increase sludge wasting rates ranged from  
12 14 to 18 minutes per cycle to maintain the MLSS concentrations and F:M ratio within the desired  
13 goals. Aeration time was increased to a minimum of 210 minutes to provide for a total of  
14 approximately 58% of aeration during the 360 minute treatment cycle. The extended aeration  
15 period assists to offset the oxygen demand after extended periods of idle time between treatment  
16 cycles.

17 Daily monitoring of the influent and final effluent 24-hour composites samples for total  
18 phosphorus is ongoing. Daily analysis of the final effluent flow equalization grab sample total  
19 phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at  
20 the influent pump station wet well is ongoing.

21 Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued.  
22 The volume of aluminum sulfate solution to the SBRs was increased from a daily average of  
23 82.6 gpd during May to 101 gpd during June to assist with total phosphorus removal. The daily  
24 average for the month of July decreased slightly to approx. 93 gpd (as of 7/29/14). The  
25 aluminum sulfate dosages prior to filtration remained constant during June & July. The increase  
26 in alum addition, as well as the increased idle times, resulted in an increase in soda ash addition.  
27 During June the daily average soda ash addition was 500 lbs/day as compared to the May daily  
28 average of 439 lbs/day. During July, the soda ash addition average decreased slightly to approx.  
29 466 lbs/day. Soda ash assists towards maintaining pH concentrations above 7.0 standard units  
30 continued during the month.

31 SBR #2 remains out of service as a treatment unit, however, partially filled with MLSS which  
32 continuously mixed and aerated.

33 The decanter for SBR 3 was occasionally observed as being slightly tilted within the water level.  
34 The effluent knife valve was routinely closed and the decanter filled with water to assist with  
35 lowering the decanter within the water level. The SBR is planned for removal from service  
36 during mid-August for inspection.

37 During the month, sludge wasting to the sludge holding tanks and decanting of the sludge  
38 holding tanks was ongoing. Process monitoring included pH, total alkalinity and total solids.  
39 Sludge holding tank #1 was in service. The level at the beginning of the month was 11.69 feet  
40 and the level at the end of the month was 15.14 feet. The initial total solids concentration was  
41 0.71% and ended the month as 0.64% total solids. The average pH concentration was 7.12 S.U.  
42 and total alkalinity of 254 mg/L. A total of 92,421 gallons of supernatant was decanted during  
43 the month. A total of 1,350 lbs. of soda ash were added during the month for pH adjustment.  
44 Sludge holding tank #2 was in service. The level at the beginning of the month was 15.21 feet  
45 and the level at the end of the month was undetermined due to a failed level transducer. A  
46 replacement transducer was obtained and is scheduled for delivery to the facility for installation



1 during the week of Aug. 4, 2014. The initial total solids concentration was 0.81% and ended the  
2 month as 1.04% total solids. The average pH concentration was 6.96 S.U. and total alkalinity of  
3 381 mg/L. A total of 290,230 gallons of supernatant were decanted during the month. A total of  
4 1,350 lbs. of soda ash were added during the month for pH adjustment.  
5 Significant Storm/Hydraulic Loading Events – None during June 2014  
6 Minor Repairs & Preventive Maintenance  
7 • Gained approval to order replacement level transducers for post flow equalization tank #2 and  
8 sludge holding tank #2. Spare transducers were included for inventory.  
9 • July 1 Township staff reinstalled influent pump #3. All three influent pumps were rebuilt by  
10 Deckman Electric during 2014.  
11 • July at replaced failed UV ballast for bank #2, module 1-2.  
12 • July 21 replaced final effluent sample suction tubing.  
13 • July 23 replaced the oil in SBR blower #5. Blower hours are 9,676.2.  
14 • July 23 trouble shoot influent pump controls. Influent pump control panel failed during  
15 routine generator exercising. Determined failed battery in the UPS surge protection device.  
16 Replaced surge protector device with unit from the laboratory.  
17 • July 27 replaced the grease for the sludge holding tank and post flow equalization blower. The  
18 hours are listed: B1A – 86,352.1 hrs  
19 B1B – 72,962.3 hrs  
20 B1C – 12,655.7 hrs  
21 B2 - 54,983.5 hrs.  
22 Dana commented about the TKN concentration in June & July. Rick will talk to Scott about it.  
23 Ed pointed out that putting zeroes in a spreadsheet changes the average number.  
24

### 25 Approval of Minutes

26 Dana moved to accept the minutes of July 14, 2014 as corrected. Fran seconded the motion. The  
27 motion passed unanimously.

28 Dana moved to accept the minutes of the July 21, 2014 special meeting as corrected. Ed  
29 seconded the motion. The motion passed unanimously.  
30

### 31 Approval of Invoices

32 1. Pennoni – Supplemental Funds Request #2 – For the Reservoir Road project, Pennoni is  
33 requesting an additional \$3,000.00 as a supplement to the approved Phase 3 budget. Dana  
34 moved to approve this supplement of \$3,000.00 to the Phase 3 Budget. Fran seconded the  
35 motion. The motion passed unanimously. Mike noted that \$878.08 of the supplement is  
36 included in Invoice #601105.  
37

38 2. Dana moved to approve payment of the following Pennoni invoices:

- |    |    |                 |             |
|----|----|-----------------|-------------|
| 39 | a. | Pennoni #599630 | \$ 476.75   |
| 40 | b. | Pennoni #599632 | \$ 141.25   |
| 41 | c. | Pennoni #599633 | \$ 28.25    |
| 42 | d. | Pennoni #601105 | \$ 1,208.75 |

43 Fran seconded the motion. The motion passed unanimously.

44 3. Kevin moved to approve payment of the Gawthrop invoice #122295 for \$80.00. Dana  
45 seconded the motion. The motion passed unanimously.  
46

1 **Financial Reports**

2 1. The report was reviewed.

3

4 **Goals**

5 1. Ed will attend the West Goshen September meeting.

6

7 **Adjournment**

8 There being no further business, Kevin moved to adjourn the meeting. Dana seconded the  
9 motion. The motion passed unanimously. The meeting was adjourned at 7:22 pm.

10

11 Respectfully submitted,

12

13

14 Ruth Kiefer

15 Recording Secretary



# INVOICE

Newark, DE  
302-655-4451 Fax: 302-654-2895

Remit Payment To:  
Pennoni Associates Inc.  
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 #: 603380  
Invoice Date: 08/20/2014  
Project: EGMA1306  
Project Name: Reserve PS Diversion Construction

For Services Rendered through: 8/10/2014

Continued coordination with contractor for punchlist work: Sr. Engineering Technician performed on-site observation of status of grass growth at former pump station driveway; and Authority Engineer notified contractor of need for additional grass restoration and submission of as-built plans.

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

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

Labor :	111.25
Expense :	0.00
Phase Total :	111.25

**Amount Due This Invoice**

Fee :	20,000.00
Prior Billings :	15,843.25
Current Billings :	111.25
Total Billings :	15,954.50

\$111.25

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

**Labor**

<u>Class</u>	<u>Hours/ Units</u>	<u>Rate</u>	<u>Amount</u>
Authority Engineer	0.25	113.00	28.25
Senior Engineering Technician	1.00	83.00	83.00
<b>Labor Total:</b>	<b>1.25</b>		<b>111.25</b>

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

Labor :	\$111.25
Expense :	\$0.00

Total Project : EGMA1306 -- Reserve PS Diversion Construction

Labor :	\$111.25
Expense :	\$0.00

OK RS 9-5

East Goshen Municipal Authority  
EGMA1306 Invoice Summary  
Invoice Date 08/20/2014

**Project:** EGMA1306  
**Pennoni Job No.:** Reserve PS Diversion Construction P  
**Invoice No:** 603380  
**Invoice Period:** 7/14/2014 to 8/10/2014  
**Initial Authorization:** \$ 20,000.00 **Date:** 8/20/2014  
**Contract Amount:** \$ 20,000.00  
**Previously Invoiced:** \$ 15,843.25  
**Current Invoice:** \$ 111.25  
**Invoiced to Date (\$):** \$ 15,954.50  
**Invoiced to Date (%):** 80%  
**Remaining Budget (\$):** \$ 4,045.50  
**Remaining Budget (%):** 20%

**Budget by Phase:**

Phase Name:	Reserve PS Diversion Construction Phase
<b>Phase Budget:</b>	\$ 20,000.00
<b>Previously Invoiced:</b>	\$ 15,843.25
<b>Current Invoice:</b>	\$ 111.25
<b>Invoiced to Date (\$):</b>	\$ 15,954.50
<b>Invoiced to Date (%):</b>	80%
<b>Remaining Budget (\$):</b>	\$ 4,045.50
<b>Remaining Budget (%):</b>	20%

**Comments:** Continued coordination with contractor for punchlist work: Sr. Engineering Technician performed on-site observation of status of grass growth at former pump station driveway; and Authority Engineer notified contractor of need for additional grass restoration and submission of as-built plans.



# INVOICE

Newark, DE  
302-655-4451 Fax: 302-654-2895

Remit Payment To:  
Pennoni Associates Inc.  
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 # : 603381  
Invoice Date : 08/20/2014  
Project : EGMA1307  
Project Name : Reservoir Rd PS Act 537 Planning

---

For Services Rendered through: 8/10/2014

Assembled hard copies and electronic copies of Act 537 report and plans for 30-day public review, issued copies to Township, and set up electronic copy on Dropbox website.

Phase : 03 -- Act 537 Plan Update

Total Phase : 03 -- Act 537 Plan Update

Labor :	753.75
Expense :	0.00
Phase Total :	753.75

Phase : 04 -- Additonal Meetings

Total Phase : 04 -- Additonal Meetings

Labor :	27.50
Expense :	0.00
Phase Total :	27.50

Amount Due This Invoice	<u><u>\$781.25</u></u>
-------------------------	------------------------

*olc 175 9-5*

Continued on next page...

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

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...Continued from previous page

**Phase : 03 -- Act 537 Plan Update**

<b>Labor</b>	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
<u>Class</u>			<u>Amount</u>
Authority Engineer	2.75	110.00	302.50
Project Engineer	4.75	95.00	451.25
<b>Labor Total:</b>	<b>7.50</b>		<b>753.75</b>

<b>Total Phase : 03 -- Act 537 Plan Update</b>	<b>Labor :</b>	<b>\$753.75</b>
	<b>Expense :</b>	<b>\$0.00</b>

**Phase : 04 -- Additonal Meetings**

<b>Labor</b>	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
<u>Class</u>			<u>Amount</u>
Authority Engineer	0.25	110.00	27.50
<b>Labor Total:</b>	<b>0.25</b>		<b>27.50</b>

<b>Total Phase : 04 -- Additonal Meetings</b>	<b>Labor :</b>	<b>\$27.50</b>
	<b>Expense :</b>	<b>\$0.00</b>

<b>Total Project : EGMA1307 -- Reservoir Rd PS Act 537 Planning</b>	<b>Labor :</b>	<b>\$781.25</b>
	<b>Expense :</b>	<b>\$0.00</b>



East Goshen Municipal Authority  
EGMA1307 Invoice Summary  
Invoice Date 08/20/2014

**Project:** EGMA1307  
**Pennoni Job No.:** Reservoir Rd PS Act 537 Planning  
**Invoice No:** 603381  
**Invoice Period:** 7/14/2014 to 8/10/2014  
**Initial Authorization:** \$ 77,400.00 **Date:** 8/20/2014  
**Contract Amount:** \$ 87,900.00  
**Previously Invoiced:** \$ 71,494.25  
**Current Invoice:** \$ 781.25  
**Invoiced to Date (\$):** \$ 72,275.50  
**Invoiced to Date (%):** 82%  
**Remaining Budget (\$):** \$ 15,624.50  
**Remaining Budget (%):** 18%

**Budget by Phase:**

**Phase Name:** Reservoir Rd PS Act  
537 Planning  
**Phase Budget:** \$ 87,900.00  
**Previously Invoiced:** \$ 71,494.25  
**Current Invoice:** \$ 781.25  
**Invoiced to Date (\$):** \$ 72,275.50  
**Invoiced to Date (%):** 82%  
**Remaining Budget (\$):** \$ 15,624.50  
**Remaining Budget (%):** 18%

**Comments:** Assembled hard copies and electronic copies of Act 537 report and plans for 30-day public review, issued copies to Township, and set up electronic copy on Dropbox website.



# INVOICE

Newark, DE  
 302-655-4451 Fax: 302-654-2895

Remit Payment To:  
**Pennoni Associates Inc.**  
 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 # : 603382  
 Invoice Date : 08/20/2014  
 Project : EGMA1401  
 Project Name : 2014 General Services

For Services Rendered through: 8/10/2014

Attended July Municipal Authority meeting, prepared August Engineer's Report, researched PA DCED grant application for Act 537 Planning and coordinate with Township Manager to prepare application for Reservoir Road PS project, and reviewed developer's request to connect 44 EDU's to Ricley Creek sewers from within Willistown Twp.

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

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

Labor :	556.00
Expense :	0.00
<b>Phase Total :</b>	<b>556.00</b>

**Amount Due This Invoice**

Fee :	10,300.00
Prior Billings :	7,242.50
Current Billings :	556.00
<b>Total Billings :</b>	<b>7,798.50</b>

**\$556.00**

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

**Labor**

<u>Class</u>	<u>Hours/ Units</u>	<u>Rate</u>	<u>Amount</u>
Authority Engineer	4.50	113.00	508.50
Project Engineer	0.50	95.00	47.50
<b>Labor Total:</b>	<b>5.00</b>		<b>556.00</b>

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

Labor :	\$556.00
Expense :	\$0.00

Total Project : EGMA1401 -- 2014 General Services

Labor :	\$556.00
Expense :	\$0.00

*o/c RS 9-5*

East Goshen Municipal Authority  
EGMA1401 Invoice Summary  
Invoice Date 08/20/2014

<b>Project:</b>	EGMA1401		
<b>Pennoni Job No.:</b>	2014 General Services		
<b>Invoice No:</b>	<b>603382</b>		
<b>Invoice Period:</b>	7/14/2014	to	8/10/2014
<b>Initial Authorization:</b>	\$ 10,300.00	<b>Date:</b>	8/20/2014
<b>Contract Amount:</b>	\$ 10,300.00		
<b>Previously Invoiced:</b>	\$ 7,242.50		
<b>Current Invoice:</b>	\$ 556.00		
<b>Invoiced to Date (\$):</b>	\$ 7,798.50		
<b>Invoiced to Date (%):</b>	76%		
<b>Remaining Budget (\$):</b>	\$ 2,501.50		
<b>Remaining Budget (%):</b>	24%		

**Budget by Phase:**

<b>Phase Name:</b>	2014 General Services		
<b>Phase Budget:</b>	\$ 10,300.00		
<b>Previously Invoiced:</b>	\$ 7,242.50		
<b>Current Invoice:</b>	\$ 556.00		
<b>Invoiced to Date (\$):</b>	\$ 7,798.50		
<b>Invoiced to Date (%):</b>	76%		
<b>Remaining Budget (\$):</b>	\$ 2,501.50		
<b>Remaining Budget (%):</b>	24%		

**Comments:** Attended July Municipal Authority meeting, prepared August Engineer's Report, researched PA DCED grant application for Act 537 Planning and coordinate with Township Manager to prepare application for Reservoir Road PS project, and reviewed developer's request to connect 44 EDU's to Ricley Creek sewers from within Willistown Twp.

# Memo

---

To: Municipal Authority  
From: Jon Altshul  
Re: 2015 Municipal Authority Proposed Budget  
Date: September 5, 2014

---

Attached please find a proposed 2015 budget for the Municipal Authority.

## **Revenues**

- This budget proposes revenues of \$121,016, including \$105,105 as a transfer from the sewer operating fund and \$14,296 from two Ridley Creek tap-in fees on Colonial Lane.

## **Expenses**

- Expenses reflect \$9,000 for legal fees and \$37,300 for engineering, of which \$12,000 is anticipated for general engineering, \$10,500 for I&I reports and \$14,800 for Chapter 94 reports.
- The remaining expenses include \$10,800 for auditing, \$33,323 for administrative overhead, and \$27,409 for the Municipal Authority's share of debt service on the 1998 notes.
- No capital expenses are anticipated in 2015.

The projected fund balance at the end of 2015 is expected to be \$1,570,894, the majority of which represents the remaining balance of the proceeds from the 2013 notes.

I recommend that the Municipal Authority approve the proposed budget prior to the end of the calendar year.

## Municipal Authority

Account Title	Acct #	2011 Actual	2012 Actual	2013 Actual	2014 Budget	2014 Budget	2014 Y/E Projection	2015 Budget
<b>REVENUE</b>								
INTEREST EARNINGS	07341 1000	(4)	23	28	16	27	27	15
INTEREST EARNED - RCSTP EXPANSION	07341 1020	478	76	409	1,167	2,000	1,573	1,600
C.C. TAPPING FEES	07364 1100	-	-	200	72,333	124,000	124,000	
R.C.TAPPING FEES	07364 1110	2,715	4,000	13,292	12,509	21,444	21,444	14,296
CONNECTION FEES - SEWER	07364 1130	1,130	846	1,690	-	-	1,128	
MISCELLANEOUS REVENUE	07380 1000	1,778	423	423	-	-	564	
TRANSFER FROM SEWER OPERATING	07392 0500	151,000	71,766	88,000	-	-	21,000	105,105
TRANSFER FROM SEWER CAP RESERVE	07392 0900	26,094	450,000	662,000	-	-	-	
LOAN PROCEEDS-SEWER PROJECT	07393 1001	-	-	2,477,000	-	-	-	
<b>TOTAL REVENUE</b>		<b>183,191</b>	<b>527,133</b>	<b>3,243,042</b>	<b>86,025</b>	<b>147,471</b>	<b>169,736</b>	<b>121,016</b>
<b>EXPENSES</b>								
ADMINISTRATIVE WAGES	07424 1400	33,568	33,568	31,921	16,384	32,768	32,768	33,323
MISCELLANEOUS EXPENSE	07424 3000	1,835	950	1,690	2,333	4,000	4,000	3,000
MUNIC.AUTH.-AUDITING	07424 3110	13,000	7,900	8,100	10,800	10,800	10,800	10,984
ENGINEERING SERVICES	07424 3130	37,131	34,063	40,584	20,723	35,525	35,525	37,300
LEGAL SERVICES	07424 3140	6,820	7,165	12,213	4,083	7,000	7,000	9,000
R.C. CAPITAL-STP	07424 7440	7,579	-	-	-	-	-	
R.C. CAPITAL - COLLECTION	07424 7450	1,968	-	-	-	-	-	
R.C.-CAP. PROJ.-ENGINEER	07424 7451	117,726	-	-	-	-	-	
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452	250,324	-	-	-	-	-	
R.C. CAP EXPANSION - ELECTRICAL	07424 7453	270,036	1,228	-	-	-	-	
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454	34,279	-	-	-	-	-	
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	56,447	44,111	5,563	-	-	-	
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	-	177,281	49,796	-	-	-	
LOCHWOOD ELIMINATION PHASE 2	07424 7477	-	105,987	12,166	-	-	-	
MARYDELL PUMP STATION - ENGINEER	07425 1000	3,317	17,962	51,304	-	-	-	
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000	-	-	228,317	-	-	-	
HERSHEY MILL STATION - ENGINEER	07426 1000	4,081	24,646	25,350	-	-	-	
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	-	-	167,013	-	-	-	
RESERVE PUMP STATION - ENGINEER	07427 1000	4,081	22,196	33,730	-	-	4,784	
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	-	-	96,740	-	-	-	
RESERVOIR PUMP STATION - ENGINEER	07428 1000	1,494	358	38,447	43,750	75,000	75,000	
M.C.-DVRFA-DEBT SERVICE	07471 1000	18,480	19,600	20,720	22,120	22,120	22,120	23,240
M.C.-DVRFA-INTEREST PAYMNT	07472 1000	7,764	6,842	6,003	5,115	5,115	5,115	4,169
TRF TO SEWER SINKING FUND	07492 0550	-	-	877,000	-	-	-	
<b>TOTAL EXPENSES</b>		<b>869,930</b>	<b>503,858</b>	<b>1,706,656</b>	<b>125,309</b>	<b>192,328</b>	<b>197,112</b>	<b>121,016</b>
<b>NET RESULT FROM OPERATIONS</b>		<b>(686,739)</b>	<b>23,275</b>	<b>1,536,386</b>	<b>(39,284)</b>	<b>(44,857)</b>	<b>(27,376)</b>	<b>-</b>



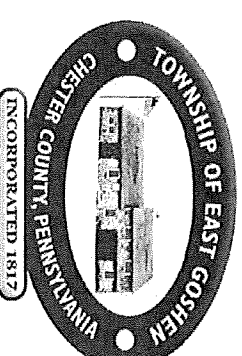
# MUNICIPAL AUTHORITY

---

The Municipal Authority, which is a legally separate entity from the Township, is responsible for financing the construction, expansion and upgrade of the Township's sewage collection and treatment infrastructure.

	2014 Adopted	2014 Y/E Projection	2015 Proposed
<b>Starting Fund Balance</b>	<b>1,598,270</b>	<b>1,598,270</b>	<b>1,570,894</b>
Revenues	147,471	169,736	121,016
Expenses	192,328	197,112	121,016
<b>Year-End Fund Balance</b>	<b>1,553,413</b>	<b>1,570,894</b>	<b>1,570,894</b>

- \$9,000 for legal expenses
- \$37,300 for engineering
- No funds budgeted for capital projects



# Memo

---

To: Municipal Authority  
From: Jon Altshul  
Re: MA July Financial Reports  
Date: September 4, 2014

---

The Municipal Authority recorded \$134 in revenues (interest) and \$1,935 in expenses in August, a difference of -\$1,801. The fund balance is now \$1,596,497.

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

**EAST GOSHEN TOWNSHIP**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA**  
**Municipal Authority**  
**August 2014**

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE			1,598,297.97	
<b>RCSTP BUDGET</b>				
REVENUE				
INTEREST EARNED - RCSTP EXPANSION	07341 1020	2,000.00	132.27	1,056.88
GRANT REVENUE	07392 0800	0.00	0.00	0.00
TOTAL REVENUE		2,000.00	132.27	1,056.88
EXPENSES				
R.C.-CAP. PROJ.-ENGINEER	07424 7451	0.00	0.00	0.00
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452	0.00	0.00	0.00
R.C. CAP EXPANSION - ELECTRICAL	07424 7453	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455	0.00	0.00	0.00
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456	0.00	0.00	0.00
TRANSFER TO SEWER SINKING FUND	07492 0550	0.00	0.00	0.00
TRANSFER TO AUTHORITY CAP FUND	07492 0990	0.00	0.00	0.00
TOTAL EXPENSES		0.00	0.00	0.00
<b>RCSTP NET RESULT</b>		2,000.00	132.27	1,056.88

**EAST GOSHEN TOWNSHIP**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA**  
**Municipal Authority**  
**August 2014**

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>OPERATING BUDGET</b>				
<b>REVENUE</b>				
INTEREST EARNINGS	07341 1000	27.00	1.62	9.21
C.C. TAPPING FEES	07364 1100	124,000.00	0.00	67,000.00
R.C. TAPPING FEES	07364 1110	21,444.00	0.00	10,288.80
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	1,127.52
MISCELLANEOUS REVENUE	07380 1000	0.00	0.00	564.48
TRANSFER FROM SEWER OPERATING	07392 0500	0.00	0.00	21,000.00
<b>TOTAL REVENUE</b>		<b>145,471.00</b>	<b>1.62</b>	<b>99,990.01</b>
<b>EXPENSES</b>				
ADMINISTRATIVE WAGES	07424 1400	32,768.00	0.00	16,086.04
MISCELLANEOUS EXPENSE	07424 3000	4,000.00	0.00	1,450.00
MUNIC.AUTH.-AUDITING	07424 3110	10,800.00	0.00	10,800.00
ENGINEERING SERVICES	07424 3130	35,525.00	169.50	26,981.00
LEGAL SERVICES	07424 3140	7,000.00	80.00	5,840.00
M.C.-DVRFA-DEBT SERVICE	07471 1000	22,120.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMIN	07472 1000	5,115.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMIN	07472 1010	0.00	0.00	0.00
<b>TOTAL EXPENSES</b>		<b>117,328.00</b>	<b>249.50</b>	<b>61,157.04</b>
<b>OPERATING NET RESULT</b>		<b>28,143.00</b>	<b>(247.88)</b>	<b>38,832.97</b>

**EAST GOSHEN TOWNSHIP**  
**1580 PAOLI PIKE**  
**WEST CHESTER, PA**  
**Municipal Authority**  
**August 2014**

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
<b>CAPITAL BUDGET</b>				
<b>REVENUE</b>				
LOAN PROCEEDS-SEWER PROJECT	07393 1001	0.00	0.00	0.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	0.00	0.00	0.00
<b>TOTAL REVENUE</b>		<b>0.00</b>	<b>0.00</b>	<b>0.00</b>
<b>EXPENSES</b>				
MARYDELL PUMP STATION - ENGINEER	07425 1000	0.00	0.00	0.00
MARYDELL PUMP STATION -CONSTRUCTION	07425 2000	0.00	0.00	0.00
MANHOLE COVER REPLACEMENTS	07424,7405	0.00	0.00	0.00
C.C. CAPITAL - COLLECTION	07424,7420	0.00	0.00	0.00
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	0.00	0.00	0.00
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	0.00	0.00	0.00
LOCHWOOD ELIMINATION PHASE 2	07424 7477	0.00	0.00	0.00
HERSHEY MILL STATION - ENGINEER	07426 1000	0.00	0.00	0.00
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	0.00	0.00	0.00
RESERVE PUMP STATION - ENGINEER	07427 1000	0.00	476.75	5,261.16
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	0.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	75,000.00	1,208.75	36,402.25
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
<b>TOTAL EXPENSES</b>		<b>75,000.00</b>	<b>1,685.50</b>	<b>41,663.41</b>
<b>CAPITAL NET RESULT</b>		<b>(75,000.00)</b>	<b>(1,685.50)</b>	<b>(41,663.41)</b>
<b>MUNICIPAL AUTHORITY ENDING FUND BALANCE</b>			<b>1,596,496.86</b>	



MGRP18 run by BRIAN 10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	INTEREST	EARNINGS				0.00				
	1401	JE	41027		0.58		02/04/14	INTEREST		INTEREST EARNED JANUARY 2014 07 FUND
				0.00	0.58	-0.58				
	1402		41391		1.33		03/04/14	INTEREST		INTEREST EARNED FEBRUARY 2014 07100.1000
				0.00	1.33	-1.91				
	1403		41840		1.71		04/01/14	INTEREST		INTEREST EARNED MARCH 2014 07 FUND
				0.00	1.71	-3.62				
	1404		42321		1.21		05/02/14	INTEREST		INTEREST EARNED APRIL 2014 07100.1000
				0.00	1.21	-4.83				
	1405		42739		0.90		06/02/14	INTEREST		INTEREST EARNED MAY 2014 07100.1000
				0.00	0.90	-5.73				
	1406		43211		0.75		07/01/14	INTEREST		INTEREST EARNED JUNE 2014 07100.1000
				0.00	0.75	-6.48				
	1407		43716		1.11		08/04/14	INTEREST		INTEREST EARNED JULY 2014 07 FUND
				0.00	1.11	-7.59				
	1408		44102		1.62		09/03/14	INTEREST		INTEREST EARNED AUGUST 2014 07100.1000
				0.00	1.62	-9.21				
				0.00	9.21	-9.21				
07341-1020	INTEREST	EARNED - RCSTP EXPANSION				0.00				
	1401		41028		137.33		02/04/14	INTEREST		INTEREST EARNED JANUARY 2014 07 CONSTRUCTION FUND
				0.00	137.33	-137.33				
	1402		41392		123.56		03/04/14	INTEREST		INTEREST EARNED FEBRUARY 2014 07 CONSTRUCTION FUND
				0.00	123.56	-260.89				
	1403		41841		136.07		04/01/14	INTEREST		INTEREST EARNED MARCH 2014 07 CONSTRUCTION FUND
				0.00	136.07	-396.96				

MGRP18 run by BRIAN 10 : 16 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1020	1404	JE	42322		131.45		05/02/14	INTEREST		INTEREST EARNED APRIL 2014 CONSTRUCT.FUNDS
				0.00	131.45	-528.41				
1405	42740				134.59		06/02/14	INTEREST		INTEREST EARNED MAY 2014 07 FUND - CONSTRUCTION
				0.00	134.59	-663.00				
1406	43212				129.00		07/01/14	INTEREST		INTEREST EARNED JUNE 2014 07 CONSTRUCTION FUNDS
				0.00	129.00	-792.00				
1407	43718				132.61		08/04/14	INTEREST		INTEREST EARNED JULY 2014 07 CONTRUC.FUND
				0.00	132.61	-924.61				
1408	44103				132.27		09/03/14	INTEREST		INTEREST EARNED AUGUST 2014 07 CONSTRUCTION FUND
				0.00	132.27	-1,056.88				
				0.00	1,056.88	-1,056.88				
07364-1100	C.C. TAPPING FEES					0.00				
1401	CR	40976			12,600.00		01/31/14	3034	8069 1	GOSHEN MEADOWS INVESTORS L.P.
				0.00	12,600.00	-12,600.00				
1402	41258				5,400.00		02/24/14	3553	8069 1	GOSHEN MEADOWS INVESTORS L.P.
	RE	41263			2,000.00		02/24/14	41263 1		TAP IN FEE - 211 ELLIS LANE
				0.00	7,400.00	-20,000.00				
1405	42661				2,000.00		05/29/14	42661 1		TAP IN FEE FOR 195 WYLLPEN PL
				0.00	2,000.00	-22,000.00				
1407	CR	43276			21,600.00		07/03/14	21	8069 1	GOSHEN MEADOWS INVESTORS L.P.
		43434			21,600.00		07/21/14	26	8069 1	GOSHEN MEADOWS INVESTORS L.P.
	RE	43312			1,800.00		07/08/14	43312 1		TAP IN FEE FOR 1637 MANLEY RD
				0.00	45,000.00	-67,000.00				
				0.00	67,000.00	-67,000.00				
07364-1110	R.C. TAPPING FEES					0.00				
1402	41280				2,000.00		02/25/14	41280 1		TAP IN FEE-903 SORELL HILL LT2
				0.00	2,000.00	-2,000.00				
1403	41553				2,000.00		03/13/14	41553 1		TAP IN FEE FOR 909 SORRELL LT4
	41608				2,000.00		03/17/14	41608 1		TAP IN FEE-905 SORRELL LOT 3

MGRP18 run by BRIAN 10 : 17 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				0.00	4,000.00	-6,000.00				
1405	CR	42355			4,288.80		05/06/14	130	6499	1 BOWER, JUDITH
				0.00	4,288.80	-10,288.80				
				0.00	10,288.80	-10,288.80				
07364-1130	CONNECTION FEES - SEWER					0.00				
1402		41044			423.00		02/04/14	350	8035	1 JACOBS, ROBERT & CHERYL
		41124			423.00		02/14/14	774	8033	1 GEORGE SMITH & CHRISTINA CONLE
	JE	41045		141.12			02/04/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		41125		141.12			02/14/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				282.24	846.00	-563.76				
1403	CR	41402			423.00		03/04/14	2307	8034	1 STOFFLET, MICHAEL
	JE	41407		141.12			03/04/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				141.12	423.00	-845.64				
1405	CR	42378			423.00		05/07/14	1021	8036	1 PAPPANO, JOSEPH & PATRICIA
	JE	42380		141.12			05/07/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				141.12	423.00	-1,127.52				
				564.48	1,692.00	-1,127.52				
07380-1000	MISCELLANEOUS REVENUE					0.00				
1402		41045			141.12		02/04/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
		41125			141.12		02/14/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				0.00	282.24	-282.24				
1403		41407			141.12		03/04/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				0.00	141.12	-423.36				
1405		42380			141.12		05/07/14	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
				0.00	141.12	-564.48				
				0.00	564.48	-564.48				
07392-0500	TRANSFER FROM SEWER OPERATING					0.00				
1401		40674			1,000.00		01/08/14	DEPOSIT		DEPOSIT \$ INTO MA GENERAL FROM 05 FUND
		40747			20,000.00		01/14/14	XFER		XFER \$ FROM SEWER TO MA TO COVER EXPENSES
				0.00	21,000.00	-21,000.00				

MGRP18 run by BRIAN 10 : 17 AM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
			0.00	21,000.00	-21,000.00				
07424-1400			ADMINISTRATIVE WAGES			0.00			
	1403 CD	41815	8,043.02			03/31/14	2237	425	EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR.2014 MUN.AUTH. REIMBURSM
			8,043.02	0.00	8,043.02				
	1406	43192	8,043.02			06/30/14	2243	425	EAST GOSHEN TOWNSHIP - GENERAL 2ND QTR.2014 MUN. AUTH. REIMBURSM
			8,043.02	0.00	16,086.04				
			16,086.04	0.00	16,086.04				
07424-3000			MISCELLANEOUS EXPENSE			0.00			
	1401	40597	500.00			01/06/14	2228	2737	DEP - COMMONWEALTH OF PA NPDES PERMITS - CHAPTER 92A 2014
			950.00			01/06/14	2229	2132	PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2014 ACTIVE MEMBERSHIP DUES
		***	1,450.00	0.00	***				
			1,450.00	0.00	1,450.00				
			1,450.00	0.00	1,450.00				
07424-3110			MUNIC.AUTH.-AUDITING			0.00			
	1407	43405	10,800.00			07/16/14	2246	808	MAILLIE FALCONIERO & CO. 2013 FINANCIAL STMTS. EXAMINATIO
			10,800.00	0.00	10,800.00				
			10,800.00	0.00	10,800.00				
07424-3130			ENGINEERING SERVICES			0.00			
	1401	40653	-663.75			01/06/14	2224	1052	PENNONI ASSOCIATES INC. VOID CK. DUE TO PRINTER PROBLEM
		40743	663.75			01/14/14	2230	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/8/13 GENERAL S
	JE	40746		1,845.00		01/14/14	REFUND		PENNONI REFUND DUE TO DUPLICATE PAYMENT
			0.00	1,845.00	-1,845.00				
	1402 CD	41103	2,236.50			02/11/14	2233	1052	PENNONI ASSOCIATES INC. SERVICES THROUGH 1/12/14 GEN.SER
			2,236.50	0.00	391.50				



MGRP18 run by BRIAN 10 : 17 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3130	1403	CD	41540	6,887.25			03/12/14	2236	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/9/14 2013 CHAP.
				6,887.25	0.00	7,278.75				
1404			42153	8,808.25			04/23/14	2239	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/16/14 CHAP.94 RE
				8,808.25	0.00	16,087.00				
1405			42462	6,198.50			05/14/14	2241	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/13/14 2013 CHAP.
				6,198.50	0.00	22,285.50				
1406			42952	3,004.75			06/12/14	2242	1052	PENNONI ASSOCIATES INC. SERV.THURU 5/11/14 2014 SEMI-ANN
				3,004.75	0.00	25,290.25				
1407			43405	1,521.25			07/16/14	2247	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/15/14 GEN.SERVIC
				1,521.25	0.00	26,811.50				
1408			43811	169.50			08/12/14	2249	1052	PENNONI ASSOCIATES INC. SERV.THURU 7/13/14 2014 SEMI-ANN I&I
				169.50	0.00	26,981.00				
				28,826.00	1,845.00	26,981.00				
07424-3140			LEGAL SERVICES			0.00				
1402			41310	800.00			02/27/14	2234	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICES - NOV.2013 GEN.AU
				800.00	0.00	800.00				
1403			41540	700.00			03/12/14	2235	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - FEB.2014 GEN.AUT
				700.00	0.00	1,500.00				
1404			42074	960.00			04/16/14	2238	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - MARCH 2014 GEN.A
				960.00	0.00	2,460.00				
1405			42462	1,300.00			05/14/14	2240	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE APRIL 2014 GEN.AUT
				1,300.00	0.00	3,760.00				
1407			43291	520.00			07/07/14	2244	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE MAY 2014 - GEN.AUT
			43405	1,480.00			07/16/14	2245	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE JUNE 2014 - GEN.AU

MGRF18 run by BRIAN 10 : 17 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				2,000.00	0.00	5,760.00				
1408		43811		80.00			08/12/14	2248	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 7/3-7/14/14 GEN.AU
				80.00	0.00	5,840.00				
				5,840.00	0.00	5,840.00				
07424-7460						0.00				
		1401	40739	1,290.00			01/14/14	10012	2695	BRICKHOUSE ENVIRONMENTAL LOCHWOOD CHASE PROJECT - DEC.201
			40744	-1,290.00			01/14/14	10012	2695	BRICKHOUSE ENVIRONMENTAL VOID CK. - INCORRECT CASH ACCT.U
			40745	1,290.00			01/14/14	2231	2695	BRICKHOUSE ENVIRONMENTAL LOCHWOOD CHASE PROJECT - DEC. 20
		JE	40820		1,290.00		01/22/14	DEPOSIT		DEPOSIT TO REIMBURSE 07 MA FOR 05 EXPENSE
				1,290.00	1,290.00	0.00				
				1,290.00	1,290.00	0.00				
07427-1000						0.00				
		1405 CD	42462	197.25			05/14/14	2241	1052	PENNONI ASSOCIATES INC. SERV.THRU 4/123/14 RESERVE PS
				197.25	0.00	197.25				
1406		42888		7,316.82			06/11/14	10019	3133	SMITH INC., RONALD APPLIC.# 3 RESERVE PS DIVERSION
			42952	619.75			06/12/14	2242	1052	PENNONI ASSOCIATES INC. SERVICE THRU 5/11/14 RESERVE PS
			43217	-7,316.82			06/30/14	10019	3133	SMITH INC., RONALD VOID CK.10019 PAYMENT AMT.TO BE REDUCED
				619.75	0.00	817.00				
1407		43229		3,658.41			07/02/14	10020	3133	SMITH INC., RONALD APPL.#3 RESERVE PS DIVERSION -FI
			43405	309.00			07/16/14	2247	1052	PENNONI ASSOCIATES INC. SERVICES THRU 6/15/14 RESERVE PS DIVERSION CONSTRUCTION
				3,967.41	0.00	4,784.41				
1408		43811		476.75			08/12/14	2249	1052	PENNONI ASSOCIATES INC. SERV.THRU 7/13/14 RESERVE PS DI CONSTRUCTION
				476.75	0.00	5,261.16				

MGRP18 run by BRIAN 10 : 17 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				5,261.16	0.00	5,261.16				
07428-1000			RESERVOIR PUMP STATION - ENGINEER			0.00				
1402		41107		10,687.50			02/11/14	10013	1052	PENNONI ASSOCIATES INC. SERV.THROUGH 1/12/14 RESERVE PS
				10,687.50	0.00	10,687.50				
1403		41541		4,431.25			03/12/14	10014	1052	PENNONI ASSOCIATES INC. SERV.THRU 2/9/14 RESERV.RD. PS
				4,431.25	0.00	15,118.75				
1404		42154		5,909.00			04/23/14	10015	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/16/14 RESERV.RD
				5,909.00	0.00	21,027.75				
1405		42463		4,724.50			05/14/14	10016	1052	PENNONI ASSOCIATES INC. SERV. THRU 4/13/14 RESERVOIR RD.
		42514		3,150.00			05/16/14	10017	3312	CONESTOGA & ASSOCIATES PROF.SERVICE THRU 3/30/14 RESERV RD. PS - BOG TURTLE HABITAT
				7,874.50	0.00	28,902.25				
1406		42888		5,761.25			06/11/14	10018	1052	PENNONI ASSOCIATES INC. SERV.THRU 5/11/14 RESERVOIR RD.
				5,761.25	0.00	34,663.50				
1407		43406		430.00			07/16/14	10021	1052	PENNONI ASSOCIATES INC. SERV.THRU 6/15/14 RESERVOIR RD.
		43421		100.00			07/18/14	10022	3353	COMMONWEALTH FINANCING AUTHORITY GRANT APPLICATION FOR DCED SEWAG FACILITIES GRANT FOR ACT 537 PLANNING FOR RESERVOIR RD P/S
				530.00	0.00	35,193.50				
1408		43810		1,208.75			08/12/14	10023	1052	PENNONI ASSOCIATES INC. SERV.THRU 7/13/14 RESERVOIR RD P ACT 537 PLANNING
				1,208.75	0.00	36,402.25				
				36,402.25	0.00	36,402.25				
Beg Bal		0.00		106,519.93	104,746.37	1,773.56				

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

**FYI**

August 28, 2014

Dear Property Owner:

The purpose of this letter is to inform you that Mr. Anthony J. Sivo has submitted a Zoning Hearing Board application requesting a Zoning Variance for his property at 1454 Glenbrook Lane, West Chester, PA, 19380. Mr. Sivo is seeking dimensional relief to construct an accessory building within the side yard of his property. The Township Zoning Ordinance requires accessory structures larger than 120 square feet to be placed no closer than 20 feet from the property line. (§240-32.P and §240-9.G, of the Township Zoning Ordinance)

Mr. Sivo proposes to build an accessory building no larger than 240 square feet and is requesting seven (7) feet of relief from the twenty (20) foot side yard setback requirement of the ordinance, in order to place an accessory building 13 feet from the side yard property line.

Pursuant to Township policy, property owners and residents within 1000 feet of the subject property are notified of Zoning Variance applications.

**The meeting dates and times scheduled for the review and discussion of this application are outlined below and subject to change.**

**September 3, 2014** - Planning Commission meeting (workshop at 7:00 pm, formal meeting @ 7:30 pm)

**September 16, 2014** - Board of Supervisors meeting (7:00 pm)

**September 25, 2014** - Zoning Hearing Board (7:30 pm) **(Zoning Variance Hearing)**

All hearings are held at the Township Building and are open to the public. The plans are available for review during normal business hours. Please give me a call at or email me at [mgordon@eastgoshen.org](mailto:mgordon@eastgoshen.org) if you have any questions or need additional information.

Sincerely,



Mark A. Gordon  
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions