

EAST GOSHEN MUNICIPAL AUTHORITY

June 8, 2015

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
- d. East Goshen Township Flows

3. APPROVAL OF MINUTES

- a. May 11, 2015

4. APPROVAL OF INVOICES

a. Pennoni	Invoice #638119	\$1,400.00
b. Pennoni	Invoice #638120	\$ 443.75
c. Pennoni	Invoice #638121	\$9,249.50

5. LIAISON REPORTS

6. FINANCIAL REPORTS

- a. May 2015 Report

7. OLD BUSINESS

8. GOALS

- a. Submit an article for each newsletter – Due date for newsletter
Need by 1/30/15 – Jack - **Completed**
Need by 5/1/15 – Dana - **Completed**
Need by 8/31/15 - **Ed**
Need by 10/30/15
- b. Obtain construction permits for the Reservoir Road Pump Station – December 31, 2015
2/6 – Test boring done, meeting with Mike to review preliminary site plan

and discuss control options. 3/9 concept design completed, met with PA DEP. 5/11 stormwater perc test completed, scheduled to meet with CCCD on 5/21 **6/8**
Nothing unusual from out meeting with CCCD. Rick and Mark need to met with WG to discuss control process

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

- 1st Quarter – Jack - **Completed**

- 2nd Quarter – Jack - **Completed**

- 3rd Quarter

- 4th Quarter

- d. Respond to capacity requests in 45 days or less.

- e. Continue to implement I & I Plan 5/11 meeting with Mike on 5/13 to review plan

- f. Operate RCSTP in compliance with NPDES Permit **February, April, May**

9. NEW BUSINESS

- a. Consider expanding scope of Reservoir Road Pump Station Engineering - Phase 09.

10. CAPACITY REQUESTS

11. ANY OTHER MATTER

12. CORRESPONDENCE AND REPORTS OF INTEREST

13. PUBLIC COMMENT

14. ADJOURNMENT

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

June 5, 2015

To: Municipal Authority
From: Mark Miller
Re: May 2015 Monthly Report

Meters: All meters were read on a daily basis there were no problems to report for the month. Temporary meters will be pulled and sent out.

C.C. Collection: All pumping stations were visited on a routine basis. We did have a problem with the Hershey Mill pump station, the pumps kept tripping out. John Laidly was called in to trouble shoot. An electronic relay switch was replaced.

We had Pipe Data View in to clean and televise Supplee Valley, Cooper Circle, Reservoir Road, Waterford Development and Highland and Taylor Road and Vista Farms. They located several breaks in Supplee Valley. I have asked them to make 4 point repairs. We will have to excavate one of the repairs.

R.C. Collection: Was visited on a routine basis with no problems to report.

R.C. Plant: Was visited on a routine basis with no problems to report.

Re-sale Inspections:

Alarms: We responded to 17 alarms for May.

PA One Calls: We received 46 PA One calls for May.



MEMORANDUM

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

FROM: Michael Ellis, P.E.
Authority Engineer

DATE: June 4, 2015

SUBJECT: Engineer's Report

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- No activity since the last report.

Reservoir Road Pump Station

- We are nearing completion of the approximately 70% "progress design" scope of work including plan preparation, updating the PA One Call ticket, initiating coordination with the various pipeline companies whose utilities will be crossed.
- The progress design plans were reviewed with the Township Manager and PW Director on May 13th. There were no significant concerns or comments.
- We attended a NPDES Stormwater pre-application meeting with PADEP and the Chester County Conservation District on May 21st. We revised the progress design plans to address certain comments after the meeting, and we initiated stormwater design calculations.

Semi-Annual I&I Reports

- We met with the Township Manager and PW Director on May 13th to review the April 2015 semi-annual I&I report and to determine proposed portable metering and investigation locations for the next 6 months. The report was revised accordingly and re-issued on May 19th.

Hershey's Mill PS and Marydell PS Diversions

- The 2-year Maintenance Bonds on the Hershey's Mill PS and Marydell PS Diversions expire on July and August respectively. We recommend warranty inspections be performed ASAP if they have not already been performed.

New Connections

- We performed field inspections during construction of the grinder pump and low pressure service piping at 610A Reservoir Road including directionally drilling under the roadway directly into a Township manhole.
- We reviewed 3 iterative submissions for a proposed grinder pump at 1414 Bramble Lane, and the final submission was approved. Construction is scheduled to begin on June 5th, and we will perform inspections during the work.



Monthly Operations Report: May 2015

Executive Summary

The Ridley Creek sewage treatment plant outfall 001 achieved compliance with the NPDES discharge permit during April 2015. Discharge to Applebrook commenced on May 4th and is identified as outfall 002. Chemical usage utilized for total phosphorus removal, pH and total alkalinity remained consistent with previous months. No mechanical or operational issues were observed during operation of sludge dewatering equipment. Completion of the filter media replacement for disc filter number 2 was completed. Several UV lamps and one (1) ballast were replaced.

Treatment Process Operation

During April 2015, there were no exceedances of the final effluent discharge limitations for outfall 001. Additional TSS samples were collected each week. The total phosphorus monthly average concentration of 0.36 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 2015 eDMR. During the month, the final effluent total phosphorus concentration discharged ranged from 0.28 mg/L to 0.45 mg/L. The aluminum sulfate daily average decreased during April to 83.4 gpd.

Table 1

April 2015 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
April 1, 2015	0.334	6.7	18.7	14	39	2.870	7.99	0.28	0.78	10	1.0000
April 7, 2015	0.346			16	46						
April 14, 2015	0.356	5.9	17.5	10	30	0.696	2.1	0.36	1.07	1	0.0000
April 16, 2015	0.309			7	18						
April 21, 2015	0.396	4.2	13.9	13	43	0.543	1.8	0.45	1.49	1	0.0000
April 23, 2015	0.361			6	18						
April 24, 2015	0.339			6	17						
April 28, 2015	0.297	5.30	13.1	8	20	0.44	1.1	0.35	0.87	1	0.0000
April 30, 2015	0.297			5	12						
Average	0.337	5.5	15.8	9	27	1.138	3.24	0.36	1.05	2	0.2500
Minimum	0.297	4.2	13.1	5	12		1.09	0.28	0.78	1	0.0000
Maximum	0.396	6.7	18.7	16	46	2.870	7.99	0.45	1.49	10	1.0000



There was no discharge from Outfall 002 to Applebrook during April 2015. Table 2 illustrates the influent wastewater pollutant loadings for April 2015. The influent loadings remained within the treatment facility design loadings.

Table 2

April 2015 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
April 7, 2015	0.451	83.1	312	223	838	39.5	149	45.1	3.8	6.2	23
April 14, 2015	0.453	171	643	134	504	33.9	127	46.1	2.0	5.5	21
April 21, 2015	0.477	93.2	350	110	414	33.8	127	40.5	4.6	5.2	20
April 28, 2015	0.413	314	1,181	298	1,120	37.1	139	59.0	4.2	7.3	27
Average	0.449	165	622	191	719	36.1	136	47.7	4	6.1	23
Minimum	0.413	83	312	110	414	33.8	127	40.5	2	5.2	20
Maximum	0.477	314	1181	298	1120	39.5	149	59.0	5	7.3	27

Table 3 presents the available Outfall 001 final effluent data for the month of May 2015. During May, significant reduction and elimination of the excessive foam conditions on the surface of the SBRs resulting from filamentous growth was achieved. This is largely attributed to increasing the F:M ratio and increased biological activity resulting in part from the increasing MLSS water temperatures.

At the present time, there are no anticipated exceedances of the permitted limitations for the month of May 2015. Split sampling of the composite sample collected by Applied Laboratory Services (ALS) is ongoing for comparative analysis and daily results.



Table 3

May 2015 - Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
May 5, 2015	0.172	2.2	3.2	8	11	0.371	0.53			1	0.0000
May 7, 2015	0.244			7	14						
May 12, 2015	0.211	5.7	10.0	8	14	0.653	1.1	0.24	0.42	1	0.0000
May 19, 2015	0.184	2.0	3.1	6	9	0.804	1.2	0.26	0.40	1	0.0000
May 26, 2015	0.184			4	6			0.10	0.15		
Average	0.199	3.3	5.4	7	11	0.609	0.97	0.20	0.32	1	0.0000
Minimum	0.172	2.0	3.1	4	6	0.371	0.53	0.10	0.15	1	0.0000
Maximum	0.244	5.7	10.0	8	14	0.804	1.23	0.26	0.42	1	0.0000

During May 2015, discharge of treated effluent to Applebrook was initiated on May 4th. Table 4 illustrates the available data for outfall 002.

Table 4

May 2015 - Applebrook - Out Fall 002											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total , mg/L		Fecal Coliform	
	MGD Average	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	mg/L	lbs/ month	Geo Mean	Geo Mean
	0.75	20	125	21	131	7	44	0.5	3	200	1,000
	Instantaneous Maximum	40		42							
Sample Date											
May 5, 2015	0.138	2.2	2.5	8	9.2	0.371	0.427			1	0.0000
May 7, 2015	0.139			7	8.1						
May 12, 2015	0.129	5.7	6.1	8	8.6	0.653	0.703	0.24	0.258	1	0.0000
May 19, 2015	0.114	2.0	1.9	6	5.7	0.804	0.764	0.26	0.247	1	0.0000
May 26, 2015	0.117			4	3.9			0.10	0.098		
Average	0.1274	3.3	3.5	7	7.1	0.609	0.631	0.20	0.201	1	0.0000
Minimum	0.1140	2.0	1.9	4	3.9	0.371	0.427	0.10	0.098	1	0.0000
Maximum	0.1390	5.7	6.1	8	9.2	0.804	0.764	0.26	0.258	1	0.0000



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 5 presents the available pollutant data for the influent wastewater collected at the doghouse manhole during May 2015.

Table 5

May 2015 - Influent Wastewater											
Design Basis	Flow	BOD ₅		TSS		NH ₄ -N		TKN, mg/L		Phosphorus, Total, mg/L	
		mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day	mg/L	lbs/day
	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
Sample Date											
May 5, 2015	0.409	200	683	211	720	52.2	178	74.6	255	7.9	27
May 12, 2015	0.430	218	744	208	710	45.7	156	63.4	227	6.7	23
May 19, 2015	0.373	110	376	79	270	37.3	127	55.7	173	5.8	20
May 26, 2015	0.385										
Average	0.399	176	601	166	567	45.1	154	64.6	218	6.8	23
Minimum	0.373	110	376	79	270	37.3	127	55.7	173	5.8	20
Maximum	0.430	218	744	211	720	52.2	178	74.6	255	7.9	27

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during April and May. Process monitoring of each SBR included ammonia as N, nitrite as N, Nitrate as N, COD, SSV, MLSS and total phosphorus. Foam concentrations decreased significantly during May. The average coverage of the surface area was estimated at less than 5%. Daily analysis of the final effluent flow equalization grab sample is total phosphorus is ongoing. Sample collection and analysis of the influent wastewater collected at the influent pump station wet well is ongoing.

Addition of aluminum sulfate solution to the SBRs to assist with phosphorus removal continued. The volume of aluminum sulfate solution to the SBRs decreased to a daily average of 83.4 gpd during May. During May, soda ash daily addition increased to 434lb. per day. Soda ash assists towards maintaining SBR pH



concentrations above 7.0 standard units and assists to replenish alkalinity consumed during the nitrification process and aluminum sulfate solution addition.

SBR No. 2 remains out of service as a treatment unit. Minor repairs will be scheduled as weather conditions permit.

Solids Dewatering and Disposal: May 2015

Sludge Dewatering Summary	
Gallons of sludge dewatered	251,385
Average Dewatered Total Solids, %	NA
Wet Tons	NA
Dry Tons	NA
Number of dumpsters	4

**Twenty one (21) days of centrifuge operation*

Flow data:

May 2015			
Flow Meter Location	Total Volume for Month, MG	Average Daily Flow, gpd	Daily Maximum Flow, gpd
Influent Wastewater to Screening Building*	11.454	394,988	490,940
Influent Wastewater to SBRs	11.884	409,811	517,120
Internal Recycle	0.605	20,851	49,206
Treated Effluent to Disc Filters	12.451	401,656	485,184
Final Effluent Discharge	6.555	211,452	360,000
Applebrook Golf Course	3.392	109,430	138,984

Chemical Usage:

May 2015		
Chemical	Daily Average	Total Monthly
Soda Ash	434	12,950
Aluminum Sulfate solution	83.4	2,503
Polymer (centrifuge)	0.84	17.64

**twenty one (21) 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 level at the beginning of May was 8.85 feet and the level at the end of the month was 12.43 feet. The average pH concentration was 6.63 S.U. and average total alkalinity concentration was 208 mg/L. Zero gallons of supernatant were decanted during the month. A total of 950 pounds of soda ash were added.

Sludge holding tank No. 2 was in service. The level at the beginning of the month was 9.77 feet and the level at the end was 6.36. The average pH concentration was 6.75 S.U. and average total alkalinity concentration was 201 mg/L. 650 pounds of soda ash were added. Zero gallons of supernatant were decanted.

Significant Storm/Hydraulic Loading Events

During May, there was one (1) storm event resulting in daily precipitation amounts greater than 0.5 inches measured during a 24 hour period. A total of 1.20 inches of rainfall was measured at the facility during May

Minor Repairs and Preventative Maintenance

- May 8th – Replaced six (6) UV lamps in UV Bank number 1.
Replaced two (2) UV lamps in UV Bank number 2.
Replaced one (1) UV ballast in UV Bank number 1.
Replaced low level float for the utility water system.
- May 19th - Repaired aluminum sulfate chemical feed piping, located within the SBR treatment building, supplying SBR 3.
- May 20th - Replaced one (1) UV lamp in UV Bank number 2.
- May 20th - Troubleshoot disc filter number 1 back wash system. Determined actuator valve number 2 failed. Rewired travel limit switch to allow for filter to back wash. Replacement actuator has been ordered from Aqua Aerobics.

2015 SUMMARY OF METER READINGS

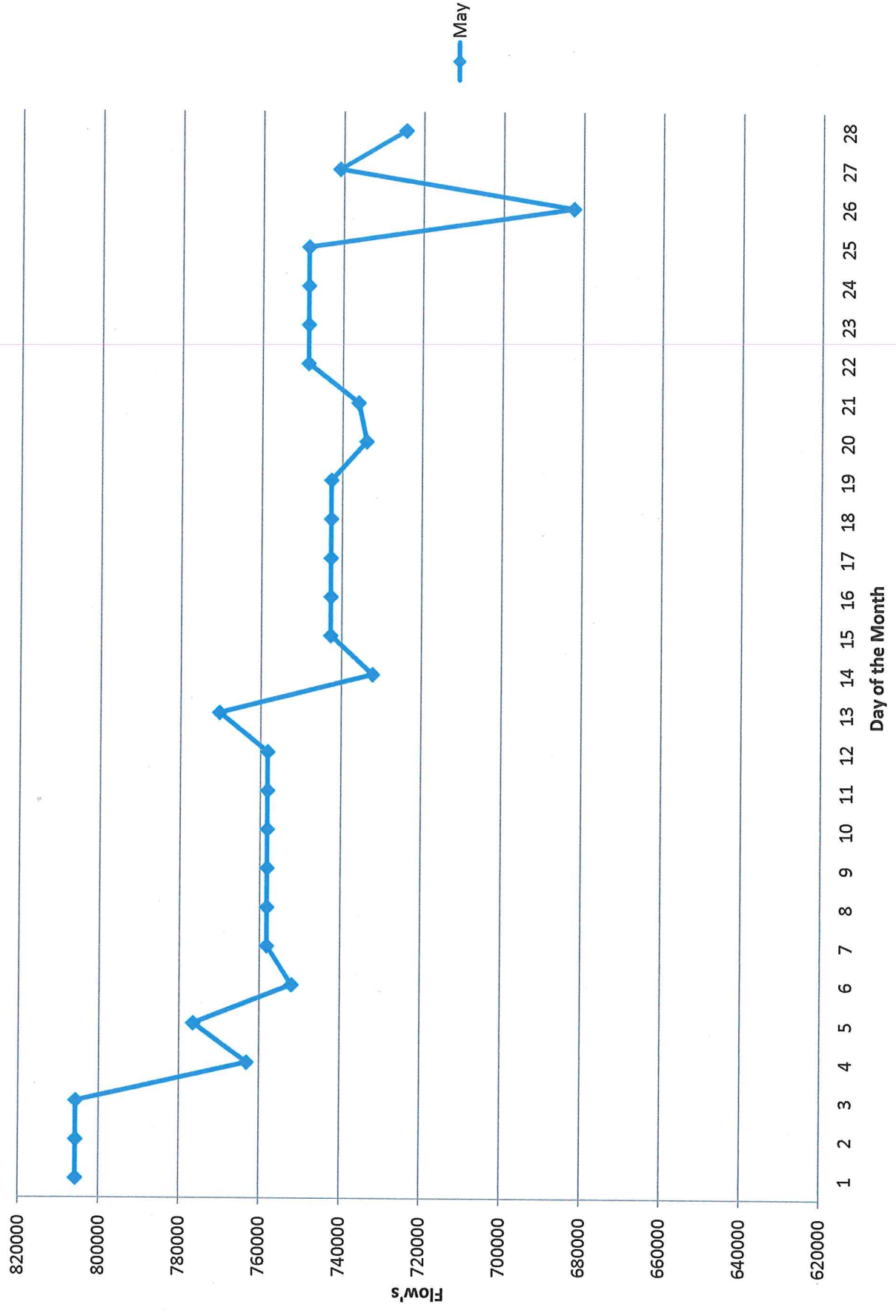
	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	BARKWAY
JANUARY	1,037,476	93,837	60,552	66,143	24,000	64,460	60,156	251,166	706,594	11,242
FEBRUARY	1,023,411	90,015	59,017	64,695	24,000	69,673	64,656	265,565	683,531	11,872
MARCH	1,212,666	123,312	70,912	70,480	24,000	94,740	81,101	300,634	836,728	12,978
APRIL	1,035,131	96,381	64,670	58,196	24,000	73,758	69,102	255,415	687,609	9,616
MAY	950,383	83,945	62,532	56,242	24,000	64,613	64,751	238,820	640,954	9,901
JUNE										
JULY										
AUGUST										
SEPTEMBER										
OCTOBER										
NOVEMBER										
DECEMBER										
Total Flows										
Monthly Ave	1,051,813	97,498	63,537	63,151	24,000	73,449	67,953	262,320	711,083	11,122

To
West Goshen 827,628

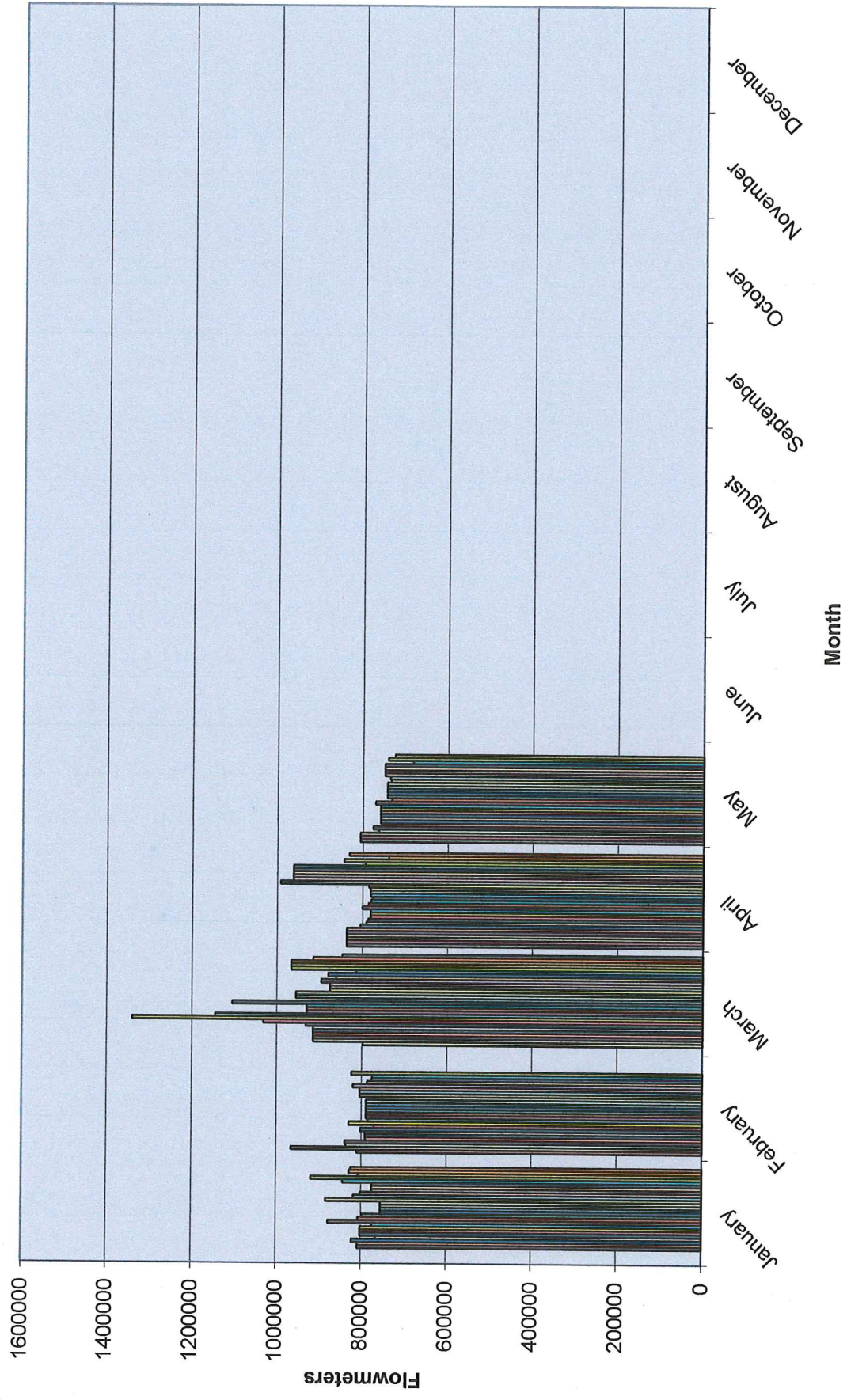
2015 SUMMARY OF METER READINGS

	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT
JANUARY	1,037,476	93,837	60,552	66,143	24,000
FEBRUARY	1,023,411	90,015	59,017	64,695	24,000
MARCH	1,212,666	123,312	70,912	70,480	24,000
APRIL	1,035,131	96,381	64,670	58,196	24,000
MAY	950,383	83,945	62,532	56,242	24,000
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					
Total Flows					
Monthly Ave	1,051,813	97,498	63,537	63,151	24,000

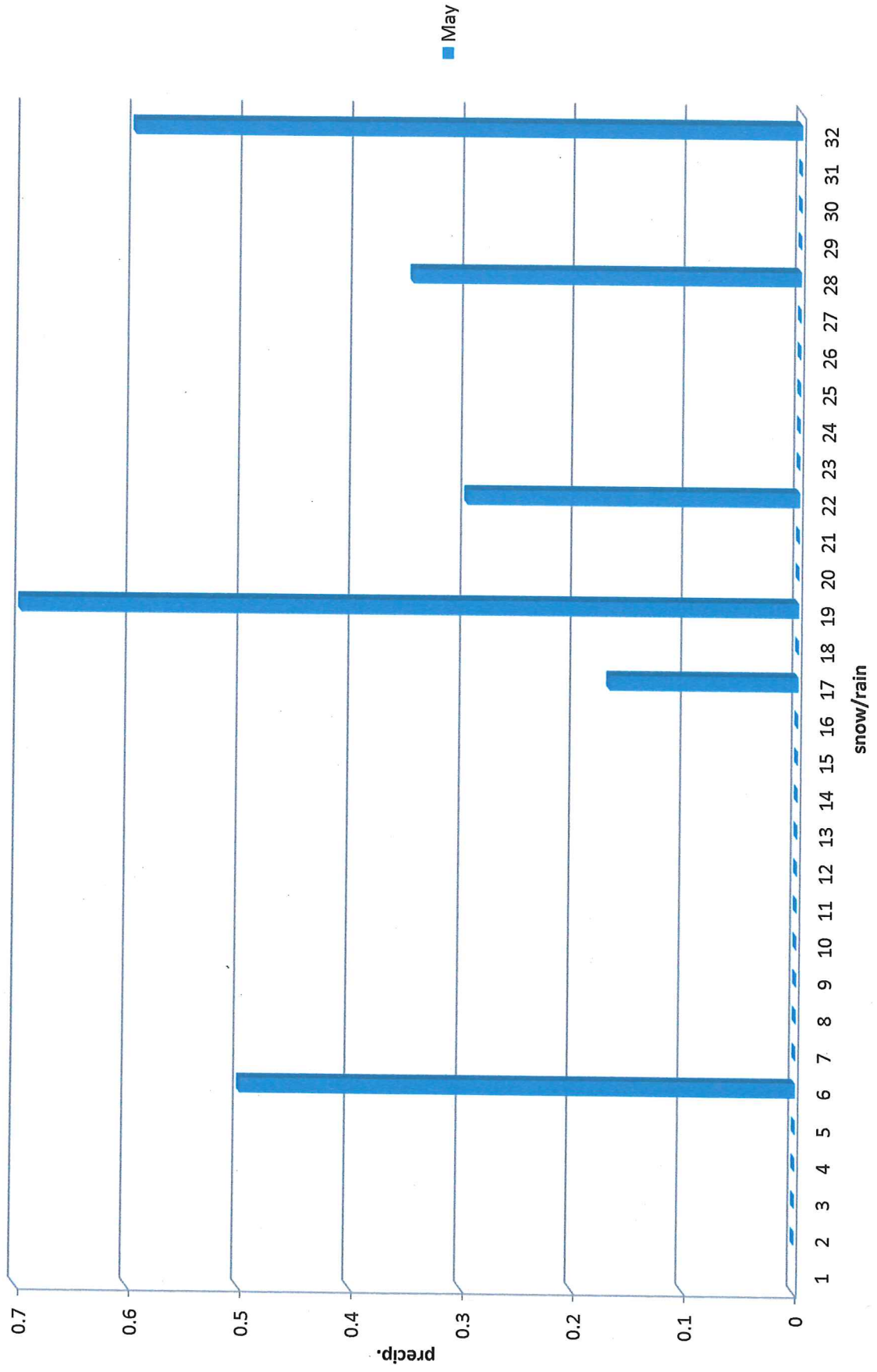
Flowmeters May 2015



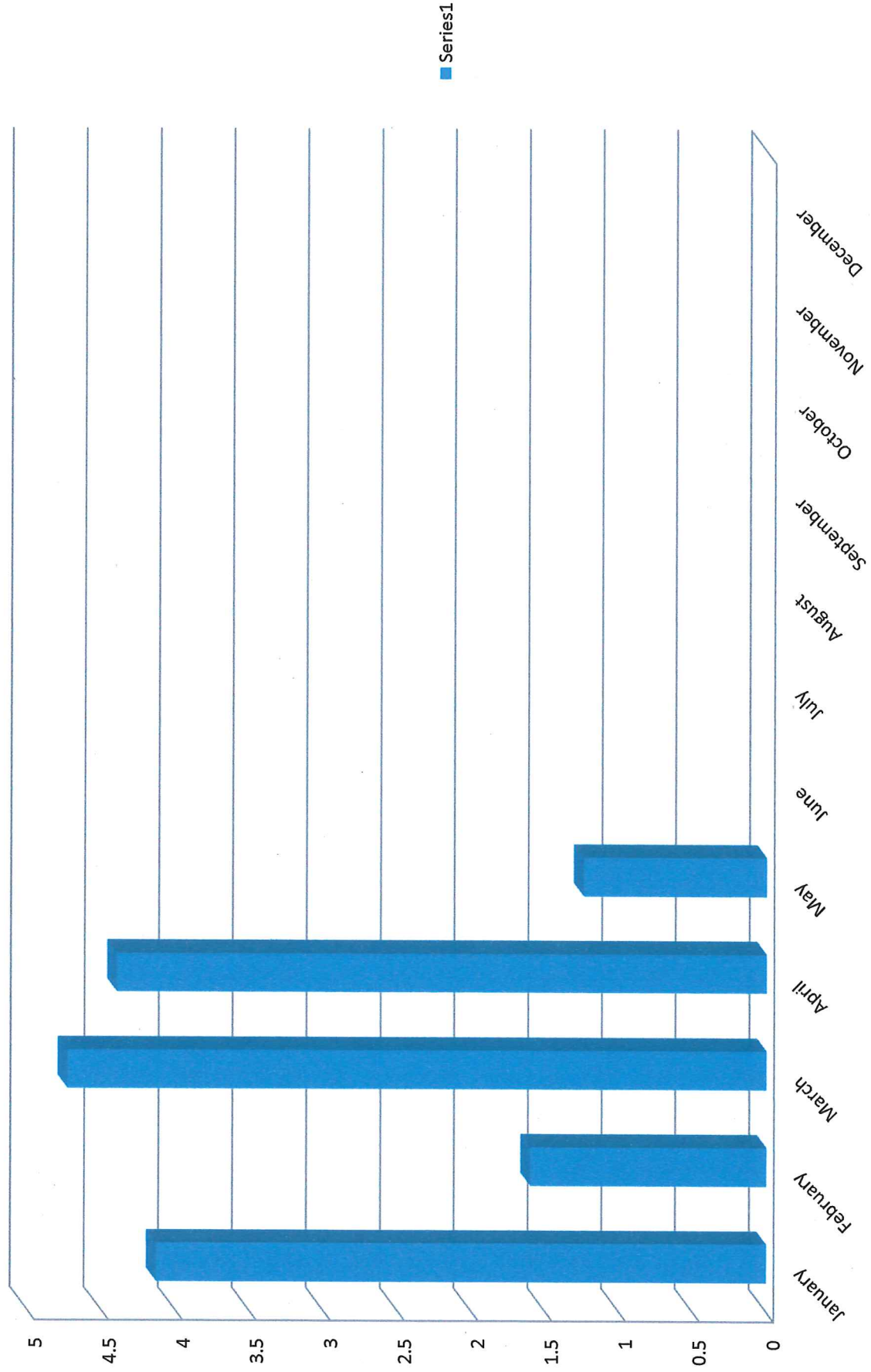
Monthly Totals 2015 Jan-Dec



May Precip. 1.24 - 2015



2015 Monthly Precipitation



Draft
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
May 11, 2015

The East Goshen Township Municipal Authority held their regular public meeting on Monday, May 11, 2015 at 6:00 pm at the East Goshen Township building. Members in attendance were: Chairman Kevin Cummings, Jack Yahraes, Fran Beck, and Ed McAssey. Also in attendance were: Rick Smith (Township Manager), Carmen Battavio (Township Supervisor), Janet Emanuel (Township Supervisor), Mark Miller (Director of Public Works), Mike Ellis (Pennoni), and Jessica Wiesak (Attorney).

COMMON ACRONYMS:

<i>BFES – Big Fish Environmental Services</i>	<i>MA- Municipal Authority</i>
<i>BOS – Board of Supervisors</i>	<i>NPDES – National Pollutant Discharge Elimination System</i>
<i>CB – Conservancy Board</i>	<i>PC – Planning Commission</i>
<i>DEP – Department of Environmental Protection</i>	<i>PM – Prevention Maintenance</i>
<i>EPA – Environmental protection Agency</i>	<i>PR – Park & Recreation Board</i>
<i>HC – Historical Commission</i>	<i>RCSTP – Ridley Creek Sewer Treatment Plant</i>
<i>I&I – Inflow & Infiltration</i>	<i>SBR – Sequencing Batch Reactor</i>
<i>LCSTP – Lockwood Chase Sewer Treatment Plant</i>	<i>SSO – Sanitary System Overflow</i>
	<i>WAS – Waste Activated Sludge</i>

Call to Order & Pledge of Allegiance

Kevin 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. Kevin asked if anyone would be recording the meeting and there was no response.

Chairman's Report/Other Members' Reports

1. No Report. Jack reported that he attended the West Goshen meeting.

Sewer Reports

1. Director of Public Works

Mark Miller reported for April 2015:

Meters: All meters were read on a daily basis. There were no problems to speak of for the month. Allied Control has started the work with regards to the remote meters.

Modems have been ordered. Once they arrive, Allied will start the installation.

C.C. Collection: All pumping stations were visited on a daily basis with no problems to report. We made 10 sewer cap repairs this month. Ironically, while talking with a resident about the sewer system, I explained how frost pushes up the clean-outs. I stepped on their clean-out to demonstrate and pushed it down 6 inches.

We had to replace a broken manhole casting and lid on Green Hill Road. As part of our road paving program, we will be cleaning and television Supplee Valley and Cooper Circle. We will also be replacing all manhole casting and lids. I will have a report of our findings at the June meeting. Horn Plumbing contacted me about a new connection on Strasburg Road.

R.C.Collection: The Hunt Country Pump Station had no problems to report. Once we get the Chester Creek meters up and running, we will begin installation of the 3 meters on the

1 collection system. We replaced several sewer caps on the collection system. Horizon
2 Plumbing did a trap and clean-out repair in Bowtree due to the riser pulling out. I made
3 the inspection and advised them to call us if they do any other repairs.

4 R.C. Plant: We performed routine visits this month. The roof on the original building
5 was replaced. We also had to replace several sheets of plywood. If you recall, the
6 building was stucco. We have had problems with water getting behind the stucco which
7 caused it to fall off. We have made several attempts to repair the stucco but were
8 unsuccessful. We hired Springer Brothers to install siding on the building. Scott asked
9 that we order oil for the pumps and other equipment.

10 On May 4 we started sending water to Applebrook Golf Course.

11 Re-sale Inspections: We had 6 re-sale lateral inspections in the township. So far, the
12 ones I have done were very simple inspections.

13 Alarms: We responded to 15 alarms for the month of April.

14 PA One Calls: We received 50 PA One calls in April

15 Confined Space Training: On April 24, the Public Works Department employees
16 attended a confined space training course at the Lancaster Fire Safety training Center.
17 The course was taught by paid fire officers from the Baltimore Fire Department, Anne
18 Arundel Fire Dept., and The Washington D.C. Fire Dept. The following Townships and
19 companies participated: East Goshen Twp; West Whiteland Twp; Willistown Twp;
20 Uwchlan Twp. and Lenni Electric sent 3 electricians. We did 2 hours of classroom
21 training and we then went to the confined space area where we put our equipment to use.
22 The instructors put us thru several scenarios which included a manhole rescue of a
23 downed employee. The course was well received.

24 We then went back to the classroom where we had to take a thirty question test. The
25 instructors praised our group for the way we performed our different scenarios. They
26 were impressed that everyone participated without having to be told. They also liked the
27 way the men knew their equipment. They recommended that we purchase two more
28 escape air packs and masks, because, when you have 2 men in a confined space, OSHA
29 requires that you have two men ready to go in the event someone goes down. All the
30 students had an awesome time however, the next day we were all very sore but it was
31 well worth it.

32 33 **2. Pennoni Engineer's Report**

34 Mike Ellis provided the following report:

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

36 Ridley Creek Sewage Treatment Plant (RCSTP):

37 1. We provided correspondence and a single-line diagram mark-up to the Township
38 documenting the existing surge protection (TVSS) components in the plant.

39 Reservoir Rd Pump Station:

40 We continued with the progress design including site layout, diversion details and
41 diversion piping profiles, pump design, wet well and valve vault, building architectural
42 and HVAC, power, controls, and force main alignment and profiles. We performed a
43 field recon of the proposed force main alignment as well to identify conflicts, namely
44 other underground utilities.

1 The current progress design plans will be reviewed with the Township Manager and PW
2 Director on May 13th. We expect to have the progress (approx. 60%) plans completed by
3 the June MA meeting.

4 We performed infiltration testing at the proposed pump station site on April 15th. Four
5 test pits were excavated, and limiting conditions were found at shallow depths in two of
6 them – rock in one, groundwater in the other. The infiltration rate in the other pits was
7 0.25 inches/hour, which is extremely limited. We are evaluating the stormwater
8 management concepts in light of the severely limited infiltration capability.

9 An NPDES Stormwater pre-application meeting has been scheduled with PADEP and the
10 Chester Co. Conservation District on May 21st.

11 Hershey's Mill PS and Marydell PS Diversions

12 The 2-year maintenance Bonds on the Hershey's Mill PS and Marydell PS Diversions
13 expire on July and August respectively. We recommend warranty inspections be
14 performed this month (May).

15 New Connections

16 We performed a field inspection during the Acero Pump Station force main pressure test
17 and conducted a preliminary inspection of the private pump station and valve vault.

18 We received a submission for a proposed grinder pump at 1414 Bramble Lane that will
19 be reviewed the week of May 11th.

20
21
22 **3. Big Fish Environmental Services** – Scott reported that the Ridley Creek sewage treatment
23 plant outfall 001 exceeded the monthly average discharge limitation for ammonia as nitrogen
24 during the month of March. The elevated ammonia nitrogen discharge concentration was the
25 result of excessive wasting of activated sludge, precipitation and seasonal changes. There was
26 no discharge to Applebrook, which is identified as outfall 002. Chemical usage utilized for total
27 phosphorus removal, pH and total alkalinity remained consistent with previous months. The
28 cloth media for disc filter #2 was replaced. There were no operational issues during sludge
29 dewatering. SBR #3 decanter was periodically tilted and required adjustment.
30 During April, there was one storm event resulting in daily precipitation amounts greater than 0.5
31 inches measured during a 24 hour period. On April 20th, 0.98 inches of rainfall was recorded. A
32 total of 2.4 inches of rainfall was measured at the facility during March.

33 34 Approval of Minutes

35 Fran moved to accept the minutes of April 13, 2015. Ed seconded the motion. The motion
36 passed unanimously.

37 38 Approval of Invoices

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

- | | | | |
|----|----|-----------------|-------------|
| 40 | a. | Pennoni #634359 | \$ 1,869.00 |
| 41 | b. | Pennoni #634360 | \$ 3,622.50 |
| 42 | c. | Pennoni #634361 | \$ 4,645.00 |
| 43 | d. | Pennoni #634362 | \$ 6,637.00 |
| 44 | e. | Pennoni #634363 | \$ 9,188.75 |

45 Fran seconded the motion. The motion passed unanimously.

46 Kevin asked Mike to let them know when a budget reaches 75%.

1 **Liaison Reports**

2 **Board of Supervisors** – Carmen mentioned that Board had input from some residents about the
3 Milltown Dam.

4 Janet mentioned that there will be a meeting on June 10 for the ABC members to give input
5 about the Comp Plan. It should be on the website on May 27.

6 Janet commented that a consultant has been hired to do the feasibility study for the Paoli Pike
7 Trail.
8

9 **Old Business**

10 RCSTP Electrical Report – Mike commented that there are 4 TVSS units in the plant with surge
11 protectors which provide additional protection. PECO service had 19 surges. Mark mentioned
12 that two representatives from GE came to check the MCCs. The new TVSS came in last week
13 and will be installed this week to replace #3. He also reported that the electric consultant found
14 software to list the TVSS. UV failures are the main problem.
15

16 **Financial Reports**

17 Jon Altshul provided the following report:

18 In April, the Municipal Authority recorded \$14,423 in revenues (including two Ridley Creek tap-
19 in fees for construction on Colonial Lane) and \$24,167 in expenses (including \$18,608 for
20 Reservoir Rd Pump Station engineering and \$4,719 for general engineering), for a variance of
21 -\$9,744. As of April 30th, the fund balance was \$1,541,760, of which \$1,486,828 is in the
22 construction account.
23

24 **Goals**

25 Ed will attend the 3rd quarter West Goshen meeting.
26

27 **Adjournment**

28 There being no further business, Jack moved to adjourn the meeting. Fran seconded the motion.
29 The motion passed unanimously. The meeting was adjourned at 7:40 pm.
30

31 Respectfully submitted,
32
33

34 Ruth Kiefer

35 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 # : 638119
Invoice Date : 05/27/2015
Project : EGMA1501
Project Name : 2015 General Services

For Services Rendered through: 5/17/2015

Marked-up RCSTP electrical single-line diagram to show TVSS units and what they protect, evaluated possible causes of UV ballast failures, and prepared descriptive summary email of TVSS locations and function, possible ballast failure causes, and recommendations for surge protection and further investigations; provided budgetary cured-in-place pipe lining costs to PW Director; revised Comprehensive Plan sewage basins' exhibit per Township Manager comments; prepared May Engineer's Report; prepared for and attended May MA meeting; and evaluated approaches to troubleshoot overall electrical issues at RCSTP.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,400.00
Expense : 0.00
Phase Total : 1,400.00

Amount Due This Invoice

\$1,400.00

Fee : 12,000.00
Prior Billings : 5,592.75
Current Billings : 1,400.00
Total Billings : 6,992.75

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	9.50	115.00	1,092.50
Staff Engineer	2.00	90.00	180.00
Associate Engineer	1.50	85.00	127.50
Labor Total:	13.00		1,400.00

Total Phase : **** -- Professional Services

Labor : \$1,400.00
Expense : \$0.00

Total Project : EGMA1501 -- 2015 General Services

Labor : \$1,400.00
Expense : \$0.00

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East Goshen Municipal Authority
EGMA1501 Invoice Summary
Invoice Date 05/27/2015

Project:	EGMA1501		
Pennoni Job No.:	2015 General Services		
Invoice No:	638119		
Invoice Period:	4/20/2015	to	5/17/2015
Initial Authorization:	\$ 12,000.00	Date:	5/27/2015
Contract Amount:	\$ 12,000.00		
Previously Invoiced:	\$ 5,592.75		
Current Invoice:	\$ 1,400.00		
Invoiced to Date (\$):	\$ 6,992.75		
Invoiced to Date (%):	58%		
Remaining Budget (\$):	\$ 5,007.25		
Remaining Budget (%):	42%		

Budget by Phase:

	2015 General
Phase Name:	Services
Phase Budget:	\$ 12,000.00
Previously Invoiced:	\$ 5,592.75
Current Invoice:	\$ 1,400.00
Invoiced to Date (\$):	\$ 6,992.75
Invoiced to Date (%):	58%
Remaining Budget (\$):	\$ 5,007.25
Remaining Budget (%):	42%

Comments: Marked-up RCSTP electrical single-line diagram to show TVSS units and what they protect, evaluated possible causes of UV ballast failures, and prepared descriptive summary email of TVSS locations and function, possible ballast failure causes, and recommendations for surge protection and further investigations; provided budgetary cured-in-place pipe lining costs to PW Director; revised Comprehensive Plan sewage basins' exhibit per Township Manager comments; prepared May Engineer's Report; prepared for and attended May MA meeting; and evaluated approaches to troubleshoot overall electrical issues at RCST



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 # : 638120
Invoice Date : 05/27/2015
Project : EGMA1502
Project Name : 2015 Semi-Annual I&I Reports

For Services Rendered through: 5/17/2015

Met with Township Manager and PW Director to review semi-annual I&I report including metering and investigation locations for next 6 months; and revised and re-issued the I&I report accordingly.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	443.75
Expense :	0.00
Phase Total :	443.75

Amount Due This Invoice

\$443.75

Fee :	10,500.00
Prior Billings :	6,045.00
Current Billings :	443.75
Total Billings :	6,488.75

Phase : **** -- Professional Services

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	2.75	115.00	316.25
Associate Engineer	1.50	85.00	127.50
Labor Total:	4.25		443.75

Total Phase : **** -- Professional Services

Labor :	\$443.75
Expense :	\$0.00

Total Project : EGMA1502 -- 2015 Semi-Annual I&I Reports

Labor :	\$443.75
Expense :	\$0.00

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East Goshen Municipal Authority
EGMA1502 Invoice Summary
Invoice Date 05/27/2015

Project: EGMA1502
Pennoni Job No.: 2015 Semi-Annual I&I Reports
Invoice No: 638120
Invoice Period: 4/20/2015 to 5/17/2015
Initial Authorization: \$ 10,500.00 **Date:** 5/27/2015
Contract Amount: \$ 10,500.00
Previously Invoiced: \$ 6,045.00
Current Invoice: \$ 443.75
Invoiced to Date (\$): \$ 6,488.75
Invoiced to Date (%): 62%
Remaining Budget (\$): \$ 4,011.25
Remaining Budget (%): 38%

Budget by Phase:

Phase Name: 2015 Semi-Annual I&I Reports
Phase Budget: \$ 10,500.00
Previously Invoiced: \$ 6,045.00
Current Invoice: \$ 443.75
Invoiced to Date (\$): \$ 6,488.75
Invoiced to Date (%): 62%
Remaining Budget (\$): \$ 4,011.25
Remaining Budget (%): 38%

Comments: Met with Township Manager and PW Director to review semi-annual I&I report including metering and investigation locations for next 6 months; and revised and re-issued the I&I report accordingly.



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 # : 638121
Invoice Date : 05/27/2015
Project : EGMA1504
Project Name : Reservoir Rd PS Design & Permitting

For Services Rendered through: 5/17/2015

Phase 09 - Continued with design and alignment layout for force main including preparation of plans and profiles and review of prior PA One Call utility plans and responses; submitted a new PA One Call ticket and coordinated responses, plans, and utility crossing requirements with utility providers; Project Engineer and Engineering Technician II performed a field recon of entire length of proposed force main to identify utility mark-outs and other conflicts; prepared a list of manholes that are sealed shut and need to be opened for depth measurements; updated Existing Conditions plans based upon field recon and new PA One Call utility information; Project Engineer and Authority Engineer attended progress design review meeting with Township Manager and PW Director; estimated sizing for stormwater infiltration facility based on infiltration testing results; and coordinated with County Conservation District in preparation for NPDES Stormwater permit pre-application meeting.

Phase : 09 -- Progress Design

Total Phase : 09 -- Progress Design

Labor : 9,249.50
Expense : 0.00
Phase Total : 9,249.50

Amount Due This Invoice

\$9,249.50

Fee : 72,600.00
Prior Billings : 28,951.50
Current Billings : 9,249.50
Total Billings : 38,201.00

Phase : 09 -- Progress Design

Labor Class	Hours/ Units	Rate	Amount
Authority Engineer	7.75	115.00	891.25
Project Engineer	24.25	97.00	2,352.25
Engineering Technician II	78.00	77.00	6,006.00
Labor Total:	110.00		9,249.50

Total Phase : 09 -- Progress Design

Labor : \$9,249.50
Expense : \$0.00

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

Labor : \$9,249.50
Expense : \$0.00

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East Goshen Municipal Authority
EGMA1504 Invoice Summary
Invoice Date 05/27/2015

Project: EGMA1504
Pennoni Job No.: Reservoir Rd PS Design & Permitting
Invoice No: 638121
Invoice Period: 4/20/2015 to 5/17/2015
Initial Authorization: \$ 103,920.00 **Date:** 5/27/2015
Contract Amount: \$ 103,920.00
Previously Invoiced: \$ 50,129.25
Current Invoice: \$ 9,249.50
Invoiced to Date (\$): \$ 59,378.75
Invoiced to Date (%): 57%
Remaining Budget (\$): \$ 44,541.25
Remaining Budget (%): 43%

Budget by Phase:

Phase Name:	Progress Design	Phase 09
Phase Budget:	\$ 39,100.00	
Previously Invoiced:	\$ 7,359.00	
Current Invoice:	\$ 9,249.50	
Invoiced to Date (\$):	\$ 16,608.50	
Invoiced to Date (%):	42%	
Remaining Budget (\$):	\$ 22,491.50	
Remaining Budget (%):	58%	

Comments: Phase 09 - Continued with design and alignment layout for force main including preparation of plans and profiles and review of prior PA One Call utility plans and responses; submitted a new PA One Call ticket and coordinated responses, plans, and utility crossing requirements with utility providers; Project Engineer and Engineering Technician II performed a field recon of entire length of proposed force main to identify utility mark-outs and other conflicts; prepared a list of manholes that are sealed shut and need to be opened for depth measurements; updated Existing Conditions plans based upon field recon and new PA One Call utility information; Project Engineer and Authority Engineer attended progress design review meeting with Township Manager and PW Director; estimated sizing for stormwater infiltration facility based on infiltration testing results; and coordinated with County Conservation District in preparation for NPDES permit pre-application meeting.

Memo

To: Municipal Authority
From: Jon Altshul
Re: MA May Financial Reports
Date: June 3, 2015

In May, the Municipal Authority recorded \$2,552 in revenues (including a Chester Creek tap-in fee on Park Avenue) and \$25,962 in expenses (including \$15,826 for Reservoir Rd Pump Station engineering and \$10,137 for general engineering), for a variance of -\$23,410. As of May 31st, the fund balance was \$1,518,350, of which \$1,471,128 is in the construction account.

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

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
May 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE				
			1,541,759.89	
RCSTP BUDGET				
REVENUE				
INTEREST EARNED - RCSTP EXPANSION	07341 1020	1,600.00	128.37	636.59
GRANT REVENUE	07392 0800	0.00	0.00	0.00
TOTAL REVENUE		1,600.00	128.37	636.59
EXPENSES				
R.C.-CAP. PROJ.-ENGINEER	07424 7451	0.00	0.00	0.00
R.C. CAP EXPANSION GEN'L CONTRACTOR	07424 7452	0.00	0.00	0.00
R.C. CAP EXPANSION - ELECTRICAL	07424 7453	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY CAPITAL	07424 7454	0.00	0.00	0.00
R.C. CAP EXP CONTINGENCY ONGOING	07424 7455	0.00	0.00	0.00
R.C. CAP EXP ADDITIONAL CONTINGENCY	07424 7456	0.00	0.00	0.00
TRANSFER TO SEWER SINKING FUND	07492 0550	0.00	0.00	0.00
TRANSFER TO AUTHORITY CAP FUND	07492 0990	0.00	0.00	0.00
TOTAL EXPENSES		0.00	0.00	0.00
RCSTP NET RESULT		1,600.00	128.37	636.59

OPERATING BUDGET

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
May 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
REVENUE				
INTEREST EARNINGS	07341 1000	15.00	0.75	5.00
C.C. TAPPING FEES	07364 1100	0.00	2,000.00	2,000.00
R.C.TAPPING FEES	07364 1110	14,296.00	0.00	14,296.00
CONNECTION FEES - SEWER	07364 1130	0.00	423.00	1,268.64
MISCELLANEOUS REVENUE	07380 1000	0.00	0.00	423.36
TRANSFER FROM SEWER OPERATING	07392 0500	105,105.00	0.00	0.00
TOTAL REVENUE		119,416.00	2,423.75	17,993.00
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	33,323.00	0.00	8,292.10
MISCELLANEOUS EXPENSE	07424 3000	3,000.00	0.00	1,450.00
MUNIC.AUTH.-AUDITING	07424 3110	10,984.00	0.00	0.00
ENGINEERING SERVICES	07424 3130	37,300.00	10,136.50	27,373.25
LEGAL SERVICES	07424 3140	9,000.00	0.00	1,140.00
M.C.-DVRFA-DEBT SERVICE	07471 1000	23,240.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMN	07472 1000	4,169.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMN	07472 1010	0.00	0.00	0.00
TOTAL EXPENSES		121,016.00	10,136.50	38,255.35
OPERATING NET RESULT		(1,600.00)	(7,712.75)	(20,262.35)

EAST GOSHEN TOWNSHIP
1580 PAOLI PIKE
WEST CHESTER, PA
Municipal Authority
May 2015

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
CAPITAL BUDGET				
REVENUE				
LOAN PROCEEDS-SEWER PROJECT	07393 1001	0.00	0.00	0.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	0.00	0.00	0.00
TOTAL REVENUE		0.00	0.00	0.00
EXPENSES				
MARYDELL PUMP STATION - ENGINEER	07425 1000	0.00	0.00	0.00
MARYDELL PUMP STATION - CONSTRUCTION	07425 2000	0.00	0.00	0.00
MANHOLE COVER REPLACEMENTS	07424.7405	0.00	0.00	0.00
C.C. CAPITAL - COLLECTION	07424.7420	0.00	0.00	0.00
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	0.00	0.00	0.00
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	0.00	0.00	0.00
LOCHWOOD ELIMINATION PHASE 2	07424 7477	0.00	0.00	0.00
HERSHEY MILL STATION - ENGINEER	07426 1000	0.00	0.00	0.00
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	0.00	0.00	0.00
RESERVE PUMP STATION - ENGINEER	07427 1000	0.00	0.00	0.00
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	0.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	100,000.00	15,825.75	51,201.00
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
TOTAL EXPENSES		100,000.00	15,825.75	51,201.00
CAPITAL NET RESULT		(100,000.00)	(15,825.75)	(51,201.00)
MUNICIPAL AUTHORITY ENDING FUND BALANCE		1,518,349.76		

East Goshen Township General Ledger

Report Date 06/02/15

GL Transaction Details

PAGE 1

MGRP18 run by BRIAN

8 : 15 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	INTEREST	EARNINGS				0.00				
1501	JE	46156			1.44		02/03/15	INTEREST		INTEREST EARNED JANUARY 2015 07 FUND
1501				0.00	1.44	-1.44				
1502		46526			1.17		03/02/15	INTEREST		INTEREST EARNED FEBRUARY 2015 07 FUND
1502				0.00	1.17	-2.61				
1503		46944			1.03		04/02/15	INTEREST		INTEREST EARNED MARCH 2015 07 FUND
1503				0.00	1.03	-3.64				
1504		47407			0.61		05/04/15	INTEREST		INTEREST EARNED APRIL 2015 07 FUND
1504				0.00	0.61	-4.25				
1505		47825			0.75		06/01/15	INTEREST		INTEREST EARNED MAY 2015 07 FUND
1505				0.00	0.75	-5.00				
07341-1000	****	***	*****	0.00	5.00	-5.00				
07341-1020	INTEREST	EARNED - RCSTP EXPANSION				0.00				
1501		46156			131.97		02/03/15	INTEREST		INTEREST EARNED JANUARY 2015 07 FUND
1501				0.00	131.97	-131.97				
1502		46526			119.08		03/02/15	INTEREST		INTEREST EARNED FEBRUARY 2015 07 FUND
1502				0.00	119.08	-251.05				
1503		46944			131.27		04/02/15	INTEREST		INTEREST EARNED MARCH 2015 07 FUND

East Goshen Township General Ledger

Report Date 06/02/15

GL Transaction Details

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MGRP18 run by BRIAN

8 : 15 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1503				0.00	131.27	-382.32				
1504		47407			125.90		05/04/15	INTEREST		INTEREST EARNED APRIL 2015 07 FUND
1504				0.00	125.90	-508.22				
1505		47825			128.37		06/01/15	INTEREST		INTEREST EARNED MAY 2015 07 FUND
1505				0.00	128.37	-636.59				
07341-1020	****	***	*****	0.00	636.59	-636.59				
07364-1100	C.C.		TAPPING FEES			0.00				
	RE	47736			2,000.00		05/27/15	47736 1		TAP IN FEE - 1334 A PARK AVE
1505				0.00	2,000.00	-2,000.00				
07364-1100	****	***	*****	0.00	2,000.00	-2,000.00				
07364-1110	R.C.		TAPPING FEES			0.00				
1504	CR	47236			7,148.00		04/21/15	1123	7875	1 SUNNY RIDGE FARMS LLC
		47278			7,148.00		04/23/15	1128	7875	1 SUNNY RIDGE FARMS LLC
1504				0.00	14,296.00	-14,296.00				
07364-1110	****	***	*****	0.00	14,296.00	-14,296.00				
07364-1130	CONNECTION FEES - SEWER					0.00				
1501		45967			423.00		01/16/15	789	8648	1 GEORGE SMITH & CHRISTINA CONLE
	JE	45968		141.12			01/16/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
1501				141.12	423.00	-281.88				
1502	CR	46296			423.00		02/13/15	248	8650	1 JACOBS, ROBERT & CHERYL
		46479			423.00		02/26/15	2381	8649	1 STOFFLET, MICHAEL

East Goshen Township General Ledger

Report Date 06/02/15

GL Transaction Details

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MGRP18 run by BRIAN

8 : 15 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07364-1130	1502	JE	46297	141.12			02/13/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
			46480	141.12			02/26/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1502			282.24	846.00	-845.64				
	1505	CR	47731		423.00		05/27/15	1124	8651	1 PAPPANO, JOSEPH & PATRICIA
	1505			0.00	423.00	-1,268.64				
07364-1130	****	***	*****	423.36	1,692.00	-1,268.64				
07380-1000						0.00				
	1501	JE	45968		141.12		01/16/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1501			0.00	141.12	-141.12				
	1502		46297		141.12		02/13/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
			46480		141.12		02/26/15	PINE ROCK		ANNUAL PINE ROCK INSTALLMENT
	1502			0.00	282.24	-423.36				
07380-1000	****	***	*****	0.00	423.36	-423.36				
07424-1400						0.00				
	1503	CD	46874	8,292.10			03/30/15	2267		425 EAST GOSHEN TOWNSHIP - GENERAL 1ST QTR. 2015 REIMBURS. FR: MUN.A
	1503			8,292.10	0.00	8,292.10				
07424-1400	****	***	*****	8,292.10	0.00	8,292.10				
07424-3000						0.00				
	1501		45777	950.00			01/02/15	2260		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2015 ACTIVE MEMBERSHIP DUES
			46110	500.00			01/29/15	2263		2737 COMMONWEALTH OF PA ANNUAL FEE - NPDES PERMIT -CHAP.
	1501			1,450.00	0.00	1,450.00				

East Goshen Township General Ledger

Report Date 06/02/15

GL Transaction Details

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MGRP18 run by BRIAN

8 : 15 AM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-3000	****	***	*****	1,450.00	0.00	1,450.00				
07424-3130			ENGINEERING SERVICES		0.00					
			45953	621.50			01/15/15	2261	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/7/14 GENERAL
			46013	640.00			01/22/15	2262	1052	PENNONI ASSOCIATES INC. SERVICE THRU 11/9/14 GEN.SERVICE
1501				1,261.50	0.00	1,261.50				
1502		46311		5,571.50			02/13/15	2264	1052	PENNONI ASSOCIATES INC. SERVICES THRU 1/18/15 2014 CHAP.
1502				5,571.50	0.00	6,833.00				
1503		46649		5,685.00			03/12/15	2266	1052	PENNONI ASSOCIATES INC. SERVICES THRU 2/15/15 2014 CHAP.
1503				5,685.00	0.00	12,518.00				
1504		47119		4,718.75			04/15/15	2269	1052	PENNONI ASSOCIATES INC. SERV. THRU 3/22/15 2015 GEN.SER
1504				4,718.75	0.00	17,236.75				
1505		47583		10,136.50			05/14/15	2270	1052	PENNONI ASSOCIATES INC. SERV. THRU 4/19/15 2015 GEN.SERV
1505				10,136.50	0.00	27,373.25				
07424-3130	****	***	*****	27,373.25	0.00	27,373.25				
07424-3140			LEGAL SERVICES		0.00					
			1503 46649	300.00			03/12/15	2265	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE - 1/12/15 GEN.AUT
1503				300.00	0.00	300.00				
1504		47119		840.00			04/15/15	2268	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 2/6-2/9/15 GEN.AUT

East Goshen Township General Ledger

Report Date 06/02/15

GL Transaction Details

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MGRP18 run by BRIAN

8 : 15 AM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
1504			840.00	0.00	1,140.00				
07424-3140	****	*** *****	1,140.00	0.00	1,140.00				
07428-1000					0.00				
1501		45954	137.50			01/15/15	10029	1052	PENNONI ASSOCIATES INC. SERV. THRU 12/7/14 RESERV. RD ACT
		46014	852.50			01/22/15	10030	1052	PENNONI ASSOCIATES INC. SERVICE THRU 11/9/14 RESERVOIR R ACT. 537
1501			990.00	0.00	990.00				
1502		46312	5,382.80			02/13/15	10031	1052	PENNONI ASSOCIATES INC. SERV. THRU 1/18/15 RESERVOIR RD. P ACT 537 PLANNING
1502			5,382.80	0.00	6,372.80				
1503		46650	10,394.70			03/12/15	10032	1052	PENNONI ASSOCIATES INC. SERV. THRU 2/15/15 RESERVOIR RD.
1503			10,394.70	0.00	16,767.50				
1504		47120	18,607.75			04/15/15	10033	1052	PENNONI ASSOCIATES INC. SERV. THRU 3/22/15 RESERVOIR RD. DESIGN & PERMITTING
1504			18,607.75	0.00	35,375.25				
1505		47584	15,825.75			05/14/15	10034	1052	PENNONI ASSOCIATES INC. SERV. THRU 4/19/15 RESERVOIR RD. DESIGN & PERMITTING
1505			15,825.75	0.00	51,201.00				
07428-1000	****	*** *****	51,201.00	0.00	51,201.00				
Grand Total			89,879.71	19,052.95	70,826.76				

Rick Smith

From: Michael Ellis <MEllis@Pennoni.com>
Sent: Thursday, June 04, 2015 4:42 PM
To: rsmith@eastgoshen.org
Subject: Reservoir Rd PS final design proposal

Hi Rick,

I was planning to get a proposal for final design and permitting to you tomorrow for consideration on Monday, but I'm not going to be ready to provide a detailed, and tightly estimated proposal by tomorrow. I had a few major project conflicts arise this week that sidetracked me. The good news is that we have nearly \$15K remaining in the Phase 9 "Progress Design" budget. As of today, our effort is approx \$24K vs. budget of \$39.1K. The scope of that "Progress Design" is very near completion, and I expect we'll complete that effort next week with about \$12K remaining. In lieu of a formal new proposal, I'd like to propose that we use that remaining approx \$12K over the next month to continue with the next phase of work. That would include coordinating with the pipeline companies, progressing the electrical and controls designs from an approx 40% design to 70% design, and initiating the stormwater design and calcs and taking them to 40-50% design. We can then provide a formal proposal for the July MA meeting for the remainder of design and for all the permitting. Please advise if this would be acceptable.

Please call if you would like to discuss.

Thanks,
Mike

Michael J. Ellis, PE

Pennoni Associates Inc.
Christiana Executive Campus
121 Continental Drive, Suite 207
Newark, DE 19713-4310
Office 302-655-4451 x5236 | Direct 302-351-5236
Fax 302-654-2895 | Mobile 302-561-4235
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6-5-
SUGGEST YOU HAVE MIKE
PROCEED
Rick