

EAST GOSHEN MUNICIPAL AUTHORITY

October 8, 2012

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. APPROVAL OF MINUTES
 - a. September 10, 2012

4. APPROVAL OF INVOICES

a. Pennoni #521184	\$	6,770.50
b. Pennoni #521185	\$	1,164.75
c. Pennoni #521186	\$	996.25
d. Pennoni #521187	\$	1,142.00
e. Pennoni #521188	\$	140.00
f. Pennoni #521189	\$	1,499.00
g. Pennoni #521190	\$	418.00
h. Gawthrop Greenwood,PC #101835	\$	475.00

5. LIAISON REPORTS
6. FINANCIAL REPORTS
 - a. September 2012 Report

7. OLD BUSINESS

8. GOALS
 - a. September Goals

9. NEW BUSINESS
 - a. Replace Electrical Disconnects Memo

10. CAPACITY REQUESTS

11. 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 for September 2012

12. ANY OTHER MATTER
 - a. Scott Towler Phosphorus Report

13. CORRESPONDENCE AND REPORTS OF INTEREST

14. PUBLIC COMMENT

15. ADJOURNMENT

Reminder – NEWSLETTER ARTICLE SUBMISSION DUE DATES:

Article Due Date

Website Posting Date

draft
EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
September 10, 2012

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, September 10, 2012 at 7:00 pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Vice Chairman Fran Beck, Jack Yahraes, Joe McCawley and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Dan Barbato (Pennoni), Bob Adams, and Walter Wujick (Conservancy Board).

COMMON ACRONYMS:

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

Call to Order & Pledge of Allegiance

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

Chairman’s Report

Dana attended the West Goshen Sewer Authority meeting. The federal court filings are being prepared. There is a meeting scheduled with DEP for September 25, 2012. The comment letter in response to the draft permit was submitted to the PADEP. If the year 9 TMDL remains in the final permit, an EHB appeal will be necessary. The Goose Creek Stream study/TMDL permit issues are continuing. They want to have TMDL at Goose Creek removed entirely.

Dana attended the PMAA meeting. He reported that senate Bill 375 was signed which covers how authorities should spend money and where it should be allocated. (Inkind services and donations can’t exceed \$1,000/year). He reported on several other bills that were passed.

Approval of Minutes

The Chairman noted that the minutes of the August 13, 2012 meeting were approved as corrected.

Approval of Invoices

I. Joe moved to approve payment of 5 Pennoni invoices:

#517331	\$ 716.50
#517332	\$ 6,890.75
#517333	\$ 258.00
#517334	\$ 190.50
#517336	\$ 3,966.00

1 Fran seconded the motion. The motion passed unanimously.

2 2. Fran moved to approve payment of the SJM invoice:

3 #App #3 \$13,632.57

4 Dan commented that there is only some seeding still to be done.

5 Jack seconded the motion. The motion passed unanimously.

6 Jack commented that they were very pleased with SJM's work. There were no complaints. Rick
7 will send a letter to SJM.

8
9 **Liaison Reports**

10 1. Conservancy Board – Walter reported that the Board is starting to plan for
11 plantings along E. Boot Road. The Board reviewed plans provided by Goshen Meadows but did
12 not make a recommendation because there was no landscaping plan and a discrepancy between
13 the numbers on 2 reports.

14
15 **Financial Reports**

16 1. Jon Altshul, CFO, provided reports with the following comment: total expenses
17 were \$66,584.27 compared with total revenue of \$100,010.99 (primarily due to a \$100,000
18 transfer from the sewer capital reserve fund) for a net change in fund balance of \$33,426.72.

19
20 **Old Business**

21 None

22
23 **Goals**

- 24 1. Newsletter – Joe will do an article for the next Newsletter.
25 2. The RCSTP tour will be held on Saturday, Oct. 20, 2012 from 10:00 am to Noon. Mark
26 will take care of handouts. Dan will make flow diagrams.

27
28 **New Business**

29 None

30
31 **Capacity Requests**

32 None

33
34 **Sewer Reports**

- 35 1. **Mark Miller, Director of Public Works**, provided the following report for August:
36 Meters - Have been read on a daily basis. The meter for Westtown Way stopped
37 operating. Allied Control was called to make repairs. Allied Control said that the unit
38 was not worth fixing and gave us a quote for a new meter (\$3,460.00). I contacted John
39 Scott from West Goshen who agreed with replacing the meter.
40 Pumping Stations: Were visited on a routine basis, no problems to report.
41 CC Collection: Replaced several sewer caps during the month and were notified of one
42 lateral clog which was cleared. The sewer right-of-ways were mowed and the manholes
43 were inspected between Wilson Dr. and Strasburg Road.
44 RC Collection: No problems to report.
45 RC Plant: Routine maintenance was performed during the month.

1 Lockwood Plant: We are waiting on PECO to turn off power and remove the
2 transformers.

3 Alarms: We responded to 17 alarms during the month ranging from generators running
4 to a high level alarm. All alarms were cleared and all stations put back in service.

5 PA One Calls: We received 133 PA One calls for the month of August.
6

7 2. **Dan Barbato, Pennoni, provided the engineer's report:**

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

9 Ridley Creek Sewage Treatment Plant (RCSTP) – No activity this period. We will assist
10 with supporting and reviewing warranty claims, plant troubleshooting and operations
11 support as requested.

12 LCSTP Elimination

13 The contractor has installed lot pins at two property corners between 920 and 922
14 Dolphin Drive and submitted as-built plans. All contract work is complete. The contract
15 close-out documents (Contractor's Release and Statement of Surety) have also been
16 submitted. A 2-year Maintenance Bond was provided at the start of the project. The
17 Municipal Authority will verify that the lot pins were set and Pennoni is reviewing the as-
18 built plans submitted by the contractor.

19 Hershey's Mill PS Diversion & Reserve PD Elimination

20 We submitted the Reserve PS and the Hershey's Mill PS GP-5 "General Permit for
21 Utility Line Stream Crossing" applications to DEP on June 27 and June 22 respectively.
22 DEP has reviewed the Reserve PS application and has verbally informed us that we need
23 to set up a bog turtle screening by the Army Corps of Engineers (ACOE). We have
24 contacted the ACOE to set up the screening and are awaiting a response. We are still
25 awaiting DEP's review of the Hershey's Mill PS application.

26 We received comments from the Chester CO. Conservation District (CCCD) on the
27 Erosion and Sediment Pollution Control Plan submissions for both projects. We revised
28 the plans and made formal resubmissions to the CCCD. The revised plans were
29 informally approved by CCCD via email prior to formal resubmission. We are awaiting
30 formal approval.

31 We prepared 4 Draft sanitary sewer easement legal descriptions and exhibits for the
32 diversion project – 1 for the Hershey's Mill PS and 3 for the Reserve PS. The Draft
33 documents were forwarded to the Township for review and comment.

34 We recommend rock borings be performed along the alignment of both projects prior to
35 bidding to determine if rock will be encountered during the work. Recommended boring
36 locations were previously forwarded to the township.

37 Marydell PS Elimination -

38 We submitted the PennDOT HOP application for the sewer construction and the permit
39 has been issued. The permit provides for a jack & bore (trenchless) installation across
40 Boot Road and open-cut trenching for the remainder of the work. The Paoli Pike
41 crossing at Saratoga Drive is proposed to occur at night with a full road closure and
42 detour.

43 The Pump Station Closure Plan was submitted to DEP on July 31, 2012, and we are
44 awaiting DEP's review.

1 A small additional easement will be required from the shopping center for the proposed
2 sewer, and we will prepare an easement legal description and exhibit if/when the
3 shopping center owner and Township work out terms of the easement.

4 Once the easement is obtained and the Pump Station Closure Plan is approved, all third
5 party approvals and permits will be in place, and the project can be put out to bid. We
6 anticipate putting the project out to bid in the winter so that construction can commence
7 in early spring.

8 Hershey's Mill Muffin Monster

9 We finalized the mechanical and electrical plans and submitted them to DEP on August
10 16, 2012. We requested feedback from DEP within 60 days.

11 Once DEP approves the plans, we will coordinate with the Muffin Monster supplier to
12 obtain formal product pricing.

13 Semi-Annual Sewer System (Formerly "CO&A") Status Report

14 We have begun to analyze portable and permanent meter data from January-July 2012 for
15 preparation of the internal semi-annual sewer system status report. This will be the first
16 internal-only report since the semi-annual CO&A submissions to DEP were no longer
17 required. The report format and content is intended to be similar to that in the previous
18 CO&A reports. We will submit the report to the Township by September 30, 2012.

19 3. Big Fish Environmental Services, Inc., Scott Towler presented the following written 20 report:

21 Treatment Process Operation

22 Sequencing batch reactors (SBRs) numbered 1, 3, & 4 were in service during the month
23 of August. SBR No. 2 remains out of service with approximately a mixture of 1 foot of
24 sludge and rainwater within the tank. Transfer of the contents of SBR2 is planned during
25 September.

26 During the month of July, there were a total of 3 exceedances of the final effluent
27 discharge limitations for total phosphorus. Two (2) exceedances were reported for outfall
28 011 and one (1) for outfall 002 (Applebrook). Available final effluent total phosphorus
29 concentrations for samples collected during August exceed the effluent discharge
30 limitation.

31 Adjustments to the SBR process during August include increasing the mixed liquor
32 concentration (MLSS), increasing the sludge age and decreasing the food to mass ratio
33 (F:M ratio). The objective of the process adjustments is to restore biological phosphorus
34 removal and prepare for the autumn and winter operations. Grab samples from the final
35 effluent flow equalization basin and final effluent discharge were routinely analyzed
36 (daily Monday through Friday) for pH, Alkalinity and total phosphorus was implemented
37 for the final effluent flow equalization basin and final effluent discharge.

38 The process adjustments indicate the final effluent total phosphorus concentration was
39 trending downward towards the discharge limitation concentration. Daily process
40 monitoring of the final effluent and SBRs will continue to monitor improvement towards
41 achieving consistent total phosphorus concentrations compliant with the discharge
42 limitation.

43 Solids Dewatering and Disposal

44 During August, the centrifuge dewatering system was placed in service. A summary of
45 the solids processing activity is provided.
46

1 During the month, sludge wasting and decanting of the sludge holding tanks was
2 ongoing. A total volume of 103,425 gallons of supernatant was decanted from the sludge
3 holding tanks. pH and alkalinity were monitored on average twice per week and total
4 solids once per week.

5 Sludge holding tank #1 began the month as 0.90% total solids and ended the month at
6 0.66% total solids. Tank level at the beginning of the month was 10.72 ft. and at the end
7 of the month was 4.52 ft.

8 Sludge holding tank #2 began the month as 0.87% total solids and ended the month at
9 1.08% total solids. Tank level at the beginning of the month was 11.22 ft. and at the end
10 of the month was 14.56 ft.

11 Maintenance, Repairs and Warranty

12 Outstanding: centrifuge replacement parts – Worth & Co. to replace parts used for
13 warranty repair.

14 Action: BFESI will provide Worth & Co a letter requesting resolution of the matter on or
15 before Oct. 1, 2012.

16 Outstanding: SBR and Centrifuge MCC panel hour meters – Worth & Co informed

17 Action: Pennoni Assocs/township to provide Worth & Co. a copy of the short circuit
18 study completed by Clinger Corp.

19 Outstanding: Screen Building overhead door.

20 Action: Worth & CO will be contacted to investigate the malfunctioning door.

21 Scheduled Maintenance/Repairs

22 Tightened the drive belts for SBR No 1 blower.

23 Removed the intake exhaust screen and tightened the belt for the SBR blower room
24 exhaust fan.

25 Replaced the dissolved oxygen probe on SBR No4 with the dissolved oxygen probe from
26 SBR No2.

27 Flushed the chemical feed piping from chemical fee pumps MP-33 and MP-34 to SBRs
28 1, 3 and 4.

29 Repaired broken utility water supply piping to the fine screen.
30

31 The letter to Dave Wolfinger, DEP, from Scott Towler, BFES, was reviewed by the
32 Authority. The Authority is concerned about the phosphorus problem. Kevin wants to be
33 notified immediately of any exceedance, and, in the monthly report, he would like to
34 have the reason for any exceedances.
35

36 Any Other Matter

37 1. The DEP Stream Report was reviewed. Rick commented that the DEP stream report is
38 left over from Miller. We don't know yet what will need to be done. Jack asked about
39 the 5 fingers. Mark explained that the 5 fingers are working. The problem is after that.
40

41 Correspondence and Reports of Interest – Dana acknowledged correspondence that was
42 received.
43
44
45
46

1 **Public Comment** – None

2

3 **Adjournment**

4 There being no further business, Joe moved to adjourn the meeting. Jack seconded the motion.

5 The motion passed unanimously. The meeting was adjourned at 8:00pm.

6

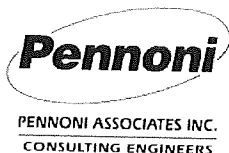
7 Respectfully submitted,

8

9

10 Ruth Kiefer

11 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 # : 521184
Invoice Date : 09/26/2012
Project : EGMA1107
Project Name : HersheyMill & Reserve PS Div Des
Per

For Services Rendered through: 09/16/2012

Revised and re-issued Hershey Mill PS Diversion (HMPS) and Reserve PS (RPS) E&S Plans and response letters to address CCCD comments, correspondence with DEP regarding bog turtle screening for RPS General Permit GP-5, prepared HMPS WQM Permit Amendment; prepared easement exhibits and legal descriptions for HMPS and RPS including property research.

Phase : 1 -- Design

Total Phase : 1 -- Design

Labor : 3,662.75
Expense : 0.00
Phase Total : 3,662.75

Phase : 2 -- Sewer Stakeout and Easements

Total Phase : 2 -- Sewer Stakeout and Easements

Labor : 1,985.50
Expense : 0.00
Phase Total : 1,985.50

Phase : 3 -- Property Boundary Survey Allocation

Total Phase : 3 -- Property Boundary Survey Allocation

Labor : 504.00
Expense : 0.00
Phase Total : 504.00

Phase : 4 -- E&SPC Permitting

Total Phase : 4 -- E&SPC Permitting

Labor : 157.50
Expense : 0.00
Phase Total : 157.50

Phase : 5 -- Water Quality Mgmt Part 2 Permit

Total Phase : 5 -- Water Quality Mgmt Part 2 Permit

Labor : 460.75
Expense : 0.00
Phase Total : 460.75

Amount Due This Invoice

\$6,770.50

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

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Fee :	60,200.00
Prior Billings :	23,376.00
Current Billings :	6,770.50
Total Billings :	30,146.50

Continued on next page...

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

...Continued from previous page

Phase : 1 – Design

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Authority Engineer	0.50	110.00	55.00
Project Engineer	13.25	93.00	1,232.25
Associate Engineer	1.00	83.00	83.00
Graduate Engineer	32.75	70.00	2,292.50
Labor Total:	47.50		3,662.75

Total Phase : 1 – Design

Labor : \$3,662.75
Expense : \$0.00

Phase : 2 – Sewer Stakeout and Easements

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Project Engineer	1.50	93.00	139.50
Senior Surveyor	8.50	87.00	739.50
Engineering Technician II	15.00	72.00	1,080.00
Survey Technician	0.50	53.00	26.50
Labor Total:	25.50		1,985.50

Total Phase : 2 – Sewer Stakeout and Easements

Labor : \$1,985.50
Expense : \$0.00

Phase : 3 – Property Boundary Survey Allocation

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Engineering Technician II	7.00	72.00	504.00
Labor Total:	7.00		504.00

Total Phase : 3 – Property Boundary Survey Allocation

Labor : \$504.00
Expense : \$0.00

Phase : 4 – E&SPC Permitting

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer	2.25	70.00	157.50
Labor Total:	2.25		157.50

Total Phase : 4 – E&SPC Permitting

Labor : \$157.50
Expense : \$0.00

Phase : 5 – Water Quality Mgmt Part 2 Permit

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Project Engineer	0.25	93.00	23.25

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

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Phase : 5 -- Water Quality Mgmt Part 2 Permit

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Graduate Engineer	6.25	70.00	437.50
Labor Total:	6.50		460.75

Total Phase : 5 -- Water Quality Mgmt Part 2 Permit

Labor :	\$460.75
Expense :	\$0.00

Total Project : EGMA1107 -- HersheyMill & Reserve PS Div Des Per

Labor :	\$6,770.50
Expense :	\$0.00

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

East Goshen Municipal Authority
EGMA1107 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1107
Pennoni Job No.: Hershey Mill & Reserve PS Div Des Per
Invoice No: 521184
Invoice Period: 8/13/2012 to 9/16/2012
Initial Authorization: \$ 60,200.00 **Date:** 7/7/2011
Contract Amount: \$ 60,200.00
Previously Invoiced: \$ 23,376.00
Current Invoice: \$ 6,770.50
Invoiced to Date (\$): \$ 30,146.50
Invoiced to Date (%): 50%
Remaining Budget (\$): \$ 30,053.50
Remaining Budget (%): 50%

Budget by Phase:

Phase No. ****
Phase Name: Hershey Mill & Reserve
Phase Budget: \$ 60,200.00
Previously Invoiced: \$ 23,376.00
Current Invoice: \$ 6,770.50
Invoiced to Date (\$): \$ 30,146.50
Invoiced to Date (%): 50%
Remaining Budget (\$): \$ 30,053.50
Remaining Budget (%): 50%

Comments: Revised and re-issued Hershey Mill PS Diversion (HMPS) and Reserve PS (RPS) E&S Plans and response letters to address CCCD comments, correspondence with DEP regarding bog turtle screening for RPS General Permit GP-5, prepared HMPS WQM Permit Amendment; prepared easement exhibits and legal descriptions and legal descriptions for HMPS and RPS including property research.



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 # : 521185
Invoice Date : 09/26/2012
Project : EGMA1109
Project Name : Marydell Pump Station Diversion

For Services Rendered through: 09/16/2012

Reviewed Chester County Planning Commission Consistency Letter, prepared easement exhibits and legal descriptions. HOP permit issuance and plan revisions to incorporate HOP requirements.

Phase : 1 -- Design

Total Phase : 1 -- Design

Labor :	116.25
Expense :	0.00
Phase Total :	116.25

Phase : 2 -- Sewer Stakeout and Easements

Total Phase : 2 -- Sewer Stakeout and Easements

Labor :	630.00
Expense :	0.00
Phase Total :	630.00

Phase : 4 -- PennDOT Highway Occupancy Permits

Total Phase : 4 -- PennDOT Highway Occupancy Permits

Labor :	418.50
Expense :	0.00
Phase Total :	418.50

Amount Due This Invoice

\$1,164.75

Fee :	45,100.00
Prior Billings :	16,391.00
Current Billings :	1,164.75
Total Billings :	17,555.75

ok
[Signature]

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

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Phase : 1 -- Design

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Project Engineer	1.25	93.00	116.25
Labor Total:	1.25		116.25

Total Phase : 1 -- Design	Labor :	\$116.25
	Expense :	\$0.00

Phase : 2 -- Sewer Stakeout and Easements

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Project Engineer	1.25	93.00	116.25
Senior Surveyor	2.25	87.00	195.75
Survey Technician	6.00	53.00	318.00
Labor Total:	9.50		630.00

Total Phase : 2 -- Sewer Stakeout and Easements	Labor :	\$630.00
	Expense :	\$0.00

Phase : 4 -- PennDOT Highway Occupancy Permits

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Project Engineer	4.50	93.00	418.50
Labor Total:	4.50		418.50

Total Phase : 4 -- PennDOT Highway Occupancy Permits	Labor :	\$418.50
	Expense :	\$0.00

Total Project : EGMA1109 -- Marydell Pump Station Diversion	Labor :	\$1,164.75
	Expense :	\$0.00

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

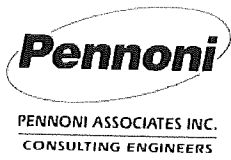
East Goshen Municipal Authority
EGMA 1109 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1109
Pennoni Job No.: Marydell Pump Station Diversion
Invoice No: 521185
Invoice Period: 8/13/2012 to 9/16/2012
Initial Authorization: \$ 45,100.00 **Date:** 2/22/2012
Contract Amount: \$ 45,100.00
Previously Invoiced: \$ 16,391.00
Current Invoice: \$ 1,164.75
Invoiced to Date (\$): \$ 17,555.75
Invoiced to Date (%): 39%
Remaining Budget (\$): \$ 27,544.25
Remaining Budget (%): 61%

Budget by Phase:

Phase No. ****
Phase Name: Marydell Pump
Station Diversion
Phase Budget: \$ 45,100.00
Previously Invoiced: \$ 16,391.00
Current Invoice: \$ 1,164.75
Invoiced to Date (\$): \$ 17,555.75
Invoiced to Date (%): 39%
Remaining Budget (\$): \$ 27,544.25
Remaining Budget (%): 61%

Comments: Reviewed Chester County Planning Commission Consistency Letter, prepared
easement exhibits and legal descriptions
HOP permit issuance and plan revisions to incorporate HOP requirements.



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 # : 521186
Invoice Date : 09/26/2012
Project : EGMA1201
Project Name : 2012 General Services

For Services Rendered through: 09/16/2012

Review August MA meeting packet and attend meeting. Follow up on request to verify report transmittals to S. Towler. September monthly report and attendance at September MA meeting.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	996.25
Expense :	0.00
Phase Total :	996.25

Amount Due This Invoice

Fee :	10,000.00
Prior Billings :	3,845.25
Current Billings :	996.25
Total Billings :	4,841.50

996.25

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Authority Engineer	8.00	110.00	880.00
Project Engineer	1.25	93.00	116.25
Labor Total:	9.25		996.25

Total Phase : **** -- Professional Services

Labor :	\$996.25
Expense :	\$0.00

Total Project : EGMA1201 -- 2012 General Services

Labor :	\$996.25
Expense :	\$0.00

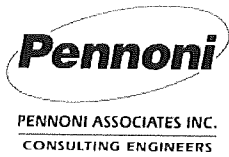
East Goshen Municipal Authority
EGMA1201 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1201
Pennoni Job No.: 2012 General Services
Invoice No: 521186
Invoice Period: 8/13/2012 to 9/16/2012
Initial Authorization: \$ 10,000.00 **Date:** 2/22/2012
Contract Amount: \$ 10,000.00
Previously Invoiced: \$ 3,845.25
Current Invoice: \$ 996.25
Invoiced to Date (\$): \$ 4,841.50
Invoiced to Date (%): 48%
Remaining Budget (\$): \$ 5,158.50
Remaining Budget (%): 52%

Budget by Phase:

Phase No. ****
2012 General Services
Phase Name:
Phase Budget: \$ 10,000.00
Previously Invoiced: \$ 3,845.25
Current Invoice: \$ 996.25
Invoiced to Date (\$): \$ 4,841.50
Invoiced to Date (%): 48%
Remaining Budget (\$): \$ 5,158.50
Remaining Budget (%): 52%

Comments: Review August MA meeting packet and attend meeting. Follow up on request to verify report transmittals to S. Towler. September monthly report and attendance at September MA meeting.



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 # : 521187
Invoice Date : 09/26/2012
Project : EGMA1202
Project Name : 2012 COA and I&I Reports

For Services Rendered through: 09/16/2012

Analysis of permanent and temporary (portable) meter data.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	1,142.00
Expense :	0.00
Phase Total :	1,142.00

Amount Due This Invoice

\$1,142.00

Fee :	13,000.00
Prior Billings :	4,595.00
Current Billings :	1,142.00
Total Billings :	5,737.00

Phase : **** -- Professional Services

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	1.00	110.00	110.00
Project Engineer	1.50	93.00	139.50
Graduate Engineer	12.75	70.00	892.50
Labor Total:	15.25		1,142.00

Total Phase : **** -- Professional Services

Labor :	\$1,142.00
Expense :	\$0.00

Total Project : EGMA1202 -- 2012 COA and I&I Reports

Labor :	\$1,142.00
Expense :	\$0.00

East Goshen Municipal Authority
EGMA1202 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1202
Pennoni Job No.: 2012 COA and I&I Reports
Invoice No: 521187
Invoice Period: 3/19/2012 to 8/16/2012
Initial Authorization: \$ 13,000.00 **Date:** 2/22/2012
Contract Amount: \$ 13,000.00
Previously Invoiced: \$ 4,595.00
Current Invoice: \$ 1,142.00
Invoiced to Date (\$): \$ 5,737.00
Invoiced to Date (%): 44%
Remaining Budget (\$): \$ 7,263.00
Remaining Budget (%): 56%

Budget by Phase:
Phase No. ****
Phase Name: 2012 COA and I&I Reports
Phase Budget: \$ 13,000.00
Previously Invoiced: \$ 4,595.00
Current Invoice: \$ 1,142.00
Invoiced to Date (\$): \$ 5,737.00
Invoiced to Date (%): 44%
Remaining Budget (\$): \$ 7,263.00
Remaining Budget (%): 56%

Comments: Analysis of permanent and temporary (portable) meter data.



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Attention: Louis F. Smith, Twp Mgr.

Invoice # : 521188
Invoice Date : 09/26/2012
Project : EGMA1203
Project Name : 2011 Chapter 94

For Services Rendered through: 09/16/2012

Finalize and issue comment response letter to DEP for Westtown Chp. 94 Report.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor :	140.00
Expense :	0.00
Phase Total :	140.00

Amount Due This Invoice

Fee :	14,000.00
Prior Billings :	13,858.25
Current Billings :	140.00
Total Billings :	13,998.25

\$140.00

Phase : **** -- Professional Services

Labor

Class	Hours/ Units	Rate	Amount
Graduate Engineer	2.00	70.00	140.00
Labor Total:	2.00		140.00

Total Phase : **** -- Professional Services

Labor :	\$140.00
Expense :	\$0.00

Total Project : EGMA1203 -- 2011 Chapter 94

Labor :	\$140.00
Expense :	\$0.00

East Goshen Municipal Authority
EGMA1203 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1203
Pennoni Job No.: 2011 Chapter 94
Invoice No: 521188
Invoice Period: 8/13/2012 to 09/16/2012
Initial Authorization: \$ 14,000.00 **Date:** 2/22/2012
Contract Amount: \$ 14,000.00
Previously Invoiced: \$ 13,858.25
Current Invoice: \$ 140.00
Invoiced to Date (\$): \$ 13,998.25
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 1.75
Remaining Budget (%): 0%

Budget by Phase:

Phase No. ****

Phase Name: 2011 Chapter 94
Phase Budget: \$ 14,000.00
Previously Invoiced: \$ 13,858.25
Current Invoice: \$ 140.00
Invoiced to Date (\$): \$ 13,998.25
Invoiced to Date (%): 100%
Remaining Budget (\$): \$ 1.75
Remaining Budget (%): 0%

Comments: Finalize and issue comment response letter to DEP for Westtown Chp. 94 Report.



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East Goshen Municipal Authority
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 521189
Invoice Date : 09/26/2012
Project : EGMA1206
Project Name : Hershey Mill PS Muffin Monster
Desi

For Services Rendered through: 09/16/2012

Finalize mechanical and electrical construction plans, prepare and issue DEP submission package, obtain DEP approval, coordinate with vendor to obtain price quotation.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 1,499.00
Expense : 0.00
Phase Total : 1,499.00

Amount Due This Invoice

\$1,499.00

Fee : 12,000.00
Prior Billings : 5,427.30
Current Billings : 1,499.00
Total Billings : 6,926.30

Phase : **** -- Professional Services

Labor Class	Hours/Units	Rate	Amount
Project Engineer	6.50	93.00	604.50
Engineering Technician II	1.00	72.00	72.00
Graduate Engineer	11.75	70.00	822.50
Labor Total:	19.25		1,499.00

Total Phase : **** -- Professional Services

Labor : \$1,499.00

Expense : \$0.00

Total Project : EGMA1206 -- Hershey Mill PS Muffin Monster Desi

Labor : \$1,499.00

Expense : \$0.00

East Goshen Municipal Authority
EGMA1206 Invoice Summary
Invoice Date 9/26/2012

Project: EGMA1206
Pennoni Job No.: Hershey Mill PS Muffin Monster Design
Invoice No: 521189
Invoice Period: 8/13/2012 to 9/16/2012
Initial Authorization: \$ 12,000.00 **Date:** 5/15/2012
Contract Amount: \$ 12,000.00
Previously Invoiced: \$ 5,427.30
Current Invoice: \$ 1,499.00
Invoiced to Date (\$): \$ 6,926.30
Invoiced to Date (%): 58%
Remaining Budget (\$): \$ 5,073.70
Remaining Budget (%): 42%

Budget by Phase:

Phase No. ****
-
Phase Name: Muffin Monster Design
Phase Budget: \$ 12,000.00
Previously Invoiced: \$ 5,427.30
Current Invoice: \$ 1,499.00
Invoiced to Date (\$): \$ 6,926.30
Invoiced to Date (%): 58%
Remaining Budget (\$): \$ 5,073.70
Remaining Budget (%): 42%

Comments: Finalize mechanical and electrical construction plans, prepare and issue DEP submission package, obtain DEP approval, coordinate with vendor to obtain price quotation.



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East Goshen Township
1580 Paoli Pike
West Chester, PA 19380-6199
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 521190
Invoice Date : 09/26/2012
Project : EGOS1202
Project Name : MS4 submission

For Services Rendered through: 09/16/2012

Finalized and submitted MS4 Permit Renewal Application, including outfall mapping, to DEP; meeting with Township Manager to obtain signatures and mapping.

Phase : **** -- Professional Services

Total Phase : **** -- Professional Services

Labor : 418.00
Expense : 0.00
Phase Total : 418.00

Amount Due This Invoice

\$418.00

Fee : 2,750.00
Prior Billings : 400.00
Current Billings : 418.00
Total Billings : 818.00

Phase : **** -- Professional Services

Labor Class	Hours/Units	Rate	Amount
Engineering Technician II	4.00	72.00	288.00
Engineering Technician I	2.00	65.00	130.00
Labor Total:	6.00		418.00

Total Phase : **** -- Professional Services

Labor : \$418.00
Expense : \$0.00

Total Project : EGOS1202 -- MS4 submission

Labor : \$418.00
Expense : \$0.00



Gawthrop Greenwood, PC
Attorneys at Law

17 East Gay Street, Suite 100 | (p) 610-696-8225
West Chester, PA 19381-0562 | (f) 610-344-0922
gglaw@gawthrop.com | www.gawthrop.com

East Goshen Municipal Authority
1580 Paoli Pike
West Chester PA 19380

Page: 1
08/31/2012
Client No: 6604-01M
Invoice No. 101835

General Authority Services

Fees

		Hours	
08/13/2012	RFA		
	Review packet for Authority meeting of 8/13; attend regular meeting of Municipal Authority.	1.50	
08/31/2012	RFA		
	Review message from M Ellis with contract closeout documents; review contract bond, contractor's release and settlement of surety company; Message to R Smith regarding closeout documents.	1.00	
	For Current Services Rendered	2.50	475.00

Recapitulation

<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams		2.50	\$190.00	\$475.00
	Previous Balance			\$475.00
	Total Current Charges			475.00
08/16/2012	Fee Payment			-475.00
	Balance Due			<u>\$475.00</u>

OK IRS 9/11/12

To ensure proper credit, please write client number on your check when returning payment. Thank You.
A finance charge of 1.25% per month (15% annually) may be charged on balances not paid 60 days after the invoice date.

Memo

To: Municipal Authority
From: Jon Altshul
Re: September 2012 Financial Report
Date: October 5, 2012

Attached please find the August Financial Report for the Municipal Authority. Total expenses were \$34,579.06 compared with total revenue of \$5.58, for a net change in fund balance of -\$34,573.48. Note that the beginning fund balance of \$85,706.46 is about \$4 less than the ending fund balance that was reported to you last month, due to a double posting of interest income at the end of last month that has now been corrected.

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA
 Municipal Authority
 SEPTEMBER 2012

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
MUNICIPAL AUTHORITY BEGINNING FUND BALANCE			85,706.46	*
RCSTP BUDGET				
REVENUE				
INTEREST EARNED - RCSTP EXPANSION	07341 1020	0.00	3.22	67.02
GRANT REVENUE	07392 0800	0.00	0.00	0.00
TOTAL REVENUE		0.00	3.22	67.02
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	1,228.08
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 AUTHORITY CAP FUND	07492 0990	0.00	0.00	0.00
TOTAL EXPENSES		0.00	0.00	1,228.08
RCSTP NET RESULT		0.00	3.22	(1,161.06)

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA
 Municipal Authority
 SEPTEMBER 2012

Account Title	Acct #	Annual	Month To Date	Year To Date
		Budget	Actual	Actual
OPERATING BUDGET				
REVENUE				
INTEREST EARNINGS	07341 1000	0.00	2.36	32.57
C.C. TAPPING FEES	07364 1100	2,000.00	0.00	0.00
R.C.TAPPING FEES	07364 1110	2,000.00	0.00	4,000.00
CONNECTION FEES - SEWER	07364 1130	0.00	0.00	845.64
MISCELLANEOUS REVENUE	07380 1000	1,000.00	0.00	423.36
TRANSFER FROM SEWER OPERATING	07392 0500	125,000.00	0.00	30,700.00
TOTAL REVENUE		130,000.00	2.36	36,001.57
EXPENSES				
ADMINISTRATIVE WAGES	07424 1400	37,669.00	8,391.94	25,175.82
MISCELLANEOUS EXPENSE	07424 3000	4,162.00	0.00	950.00
MUNIC.AUTH.-AUDITING	07424 3110	8,843.00	0.00	7,900.00
ENGINEERING SERVICES	07424 3130	37,066.00	448.50	23,426.00
LEGAL SERVICES	07424 3140	12,485.00	0.00	4,770.68
M.C.-DVRFA-DEBT SERVICE	07471 1000	19,600.00	0.00	0.00
M.C.-DVRFA-INTEREST PAYMIN	07472 1000	6,981.00	0.00	0.00
TOTAL EXPENSES		126,806.00	8,840.44	62,222.50
OPERATING NET RESULT		3,194.00	(8,838.08)	(26,220.93)

EAST GOSHEN TOWNSHIP
 1580 PAOLI PIKE
 WEST CHESTER, PA
 Municipal Authority
 SEPTEMBER 2012

Account Title	Acct #	Annual Budget	Month To Date Actual	Year To Date Actual
CAPITAL BUDGET				
REVENUE				
LOAN PROCEEDS-SEWER PROJECT	07392 0804	0.00	0.00	0.00
TRANSFER FROM SEWER CAP RESERVE	07392 0900	828,000.00	0.00	400,000.00
TOTAL REVENUE		828,000.00	0.00	400,000.00
EXPENSES				
MARYDELL PUMP STATION - ENGINEER	07425 1000	51,764.00	6,890.75	14,226.75
MARYDELL PUMP STATION - CONSTRUCTION	07425 2000	170,000.00	0.00	0.00
LOCHWOOD ABANDONMENT ENGINEER	07424 7475	37,553.00	3,985.80	42,093.30
LOCHWOOD ABANDONMENT CONSTRUCTION	07424 7476	411,000.00	14,045.57	177,281.48
LOCHWOOD ELIMINATION PHASE 2	07424 7477	0.00	100.00	104,504.99
HERSHEY MILL STATION - ENGINEER	07426 1000	29,069.00	0.00	13,039.75
HERSHEY MILL STATION - CONSTRUCTION	07426 2000	46,000.00	0.00	0.00
RESERVE PUMP STATION - ENGINEER	07427 1000	29,069.00	358.25	8,590.00
RESERVE PUMP STATION - CONSTRUCTION	07427 2000	93,000.00	0.00	0.00
RESERVOIR PUMP STATION - ENGINEER	07428 1000	0.00	358.25	358.25
RESERVOIR PUMP STATION CONSTRUCTION	07428 2000	0.00	0.00	0.00
TOTAL EXPENSES		867,455.00	25,738.62	360,094.52
CAPITAL NET RESULT		(39,455.00)	(25,738.62)	39,905.48
MUNICIPAL AUTHORITY ENDING FUND BALANCE			51,132.98	

*The September Beginning Fund Balance is \$4.19 less than the August Ending Fund Balance due to two transactions entered to reverse duplicate entries that were posted to interest GL accounts.

MGRP18 run by BRIAN

1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07341-1000	INTEREST	EARNINGS				0.00				
	1201	JE	31221		0.62		02/07/12	INTEREST		INTEREST EARNED JAN. 2012 7100.1000
				0.00	0.62	-0.62				
	1202		31655		0.25		03/14/12	INTEREST		INTEREST EARNED FEB. 2012 7100.1000
				0.00	0.25	-0.87				
	1203		31930		0.56		04/04/12	INTEREST		INTEREST EARNED MARCH 2012 7100.1000
				0.00	0.56	-1.43				
	1204		32293		4.97		05/02/12	INTEREST		INTEREST EARNED APRIL 2012 7100.1000
				0.00	4.97	-6.40				
	1205		32709		6.93		06/05/12	INTEREST		INTEREST EARNED MAY 2012 7100.1000
				0.00	6.93	-13.33				
	1206		33106		7.04		07/03/12	INTEREST		INTEREST EARNED JUNE 2012 7100.1000
				0.00	7.04	-20.37				
	1207		33554		5.80		08/06/12	INTEREST		INTEREST EARNED JULY 2012 7100.1000
				0.00	5.80	-26.17				
	1208		33969		4.04		09/04/12	INTEREST		INTEREST EARNED AUGUST 2012 7100.1000
			34004		4.04		09/06/12	INTEREST		INTEREST EARNED AUGUST 2012 07 FUND
			34114	4.04			09/14/12	REVERSE		REVERSE TRX. 33969 - DUPLICATE ENTRY
				4.04	8.08	-30.21				
	1209		34398		2.36		10/02/12	INTEREST		INTEREST EARNED SEPTEMBER 2012 7100.1000
				0.00	2.36	-32.57				
				4.04	36.61	-32.57				
07341-1020	INTEREST	EARNED - RCSTP EXPANSION				0.00				
	1201		31222		0.40		02/07/12	INTEREST		INTEREST EARNED JAN. 2012 7105.1000
			31223		7.80		02/07/12	INTEREST		INTEREST EARNED JAN. 2012 7109.2000
			31270		0.05		02/09/12	INTEREST		INTEREST EARNED JAN.2012 7105.1500

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				0.00	8.25	-8.25				
1202			31656		0.30		03/14/12	INTEREST		INTEREST EARNED FEB. 2012 7105.1000
			31657		7.30		03/14/12	INTEREST		INTEREST EARNED FEB. 2012 7109.2000
				0.00	7.60	-15.85				
1203			31931		0.15		04/04/12	INTEREST		INTEREST EARNED MARCH 2012 7105.1000
			31932		9.54		04/04/12	INTEREST		INTEREST EARNED MARCH 2012 7109.2000
				0.00	9.69	-25.54				
1204			32294		0.14		05/02/12	INTEREST		INTEREST EARNED APRIL 2012 7105.1000
			32295		9.52		05/02/12	INTEREST		INTEREST EARNED APRIL 2012 7109.2000
				0.00	9.66	-35.20				
1205			32710		0.14		06/05/12	INTEREST		INTEREST EARNED MAY 2012 7105.1000
			32711		9.55		06/05/12	INTEREST		INTEREST EARNED MAY 2012 7109.2000
				0.00	9.69	-44.89				
1206			33107		0.15		07/03/12	INTEREST		INTEREST EARNED JUNE 2012 7105.1000
			33108		9.52		07/03/12	INTEREST		INTEREST EARNED JUNE 2012 7109.2000
				0.00	9.67	-54.56				
1207			33555		0.14		08/06/12	INTEREST		INTEREST EARNED JULY 2012 7105.1000
			33556		6.34		08/06/12	INTEREST		INTEREST EARNED JULY 2012 7109.2000
				0.00	6.48	-61.04				
1208			33970		0.15		09/04/12	INTEREST		INTEREST EARNED AUGUST 2012 7105.1000
			34005		2.76		09/06/12	INTEREST		INTEREST EARNED AUGUST 2012 07 FUND - CONTRUCTION ACCTS.
			34115	0.15			09/14/12	REVERSE		REVERSE TRX.33970 DUPLICATE ENTRY
				0.15	2.91	-63.80				
1209			34399		0.14		10/02/12	INTEREST		INTEREST EARNED SEPTEMBER 2012 7105.1000
			34400		3.08		10/02/12	INTEREST		INTEREST EARNED SEPTEMBER 2012 7109.2000

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				0.00	30,700.00	-30,700.00				
07392-0900						0.00				
1204			32045		100,000.00		04/12/12	XFER		XFER \$ FROM SEWER CAP.RESERVE TO MUN.AUTHORITY GEN.ACCT.
				0.00	100,000.00	-100,000.00				
1206			32839		100,000.00		06/15/12	XFER		XFER FUNDS TO MA FROM SEWER CAPITAL RES. 5/14/12
				0.00	100,000.00	-200,000.00				
1207			33176		100,000.00		07/11/12	XFER		XFER \$ FROM SEWER CAPITAL RESERVE TO MA OPERATING
				0.00	100,000.00	-300,000.00				
1208			33682		100,000.00		08/14/12	XFER		XFER \$ TO MA FROM SEWER CAP. RESERVE
				0.00	100,000.00	-400,000.00				
				0.00	400,000.00	-400,000.00				
07424-1400						0.00				
1203	CD		31601	8,391.94			03/13/12	2085		425 EAST GOSHEN TOWNSHIP 1ST QTR.2012 MUNICIPAL AUTHORITY EXPENSES
				8,391.94	0.00	8,391.94				
1206			32849	8,391.94			06/15/12	2094		425 EAST GOSHEN TOWNSHIP 2ND QTR 2012 MUNICIPAL AUTHORITY EXPENSES
				8,391.94	0.00	16,783.88				
1209			34047	8,391.94			09/10/12	2135		425 EAST GOSHEN TOWNSHIP 3RD QTR.2012 MUNICIPAL AUTHORITY EXPENSES
				8,391.94	0.00	25,175.82				
				25,175.82	0.00	25,175.82				
07424-3000						0.00				
1201			30772	950.00			01/06/12	2081		2132 PENNSYLVANIA MUNICIPAL AUTHORITIES ASSOC 2012 ACTIVE MEMBERSHIP DUES
				950.00	0.00	950.00				
				950.00	0.00	950.00				

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description

07424-3110					0.00				
	1207	33171	7,900.00			07/11/12	2103	808	MAILLIE FALCONIERO & CO. EXAMINATION OF FINANCIAL STATEME DECEMBER 31, 2011

			7,900.00	0.00	7,900.00				

			7,900.00	0.00	7,900.00				

07424-3130					0.00				
	1202	31393	220.00			02/22/12	2084	1052	PENNONI ASSOCIATES INC. SERV.THRU 1/15/12 2011 ANNUAL SE

			220.00	0.00	220.00				
	1203	31608	1,182.50			03/13/12	2086	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/11/12 2011 ANN SERVICES

			1,182.50	0.00	1,402.50				
	1204	32043	4,971.75			04/12/12	2088	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/18/12 2012 GEN.S

			4,971.75	0.00	6,374.25				
	1205	32450	14,501.00			05/15/12	2090	1052	PENNONI ASSOCIATES INC. SERVICE THRU 4/15/12 2011 CHAP.9

			14,501.00	0.00	20,875.25				
	1206	32809	289.75			06/14/12	2092	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/13/12 GENERAL SE

			289.75	0.00	21,165.00				
	1207	33171	1,142.00			07/11/12	2104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/12 -GENERAL SE

			1,142.00	0.00	22,307.00				
	1208	33676	670.50			08/14/12	2131	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/15/12 -2012 GENE SERVICES

			670.50	0.00	22,977.50				
	1209	34048	448.50			09/11/12	2136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/12 -2011 CHAP

			448.50	0.00	23,426.00				

			23,426.00	0.00	23,426.00				

07424-3140					0.00				
	1202	31393	1,825.68			02/22/12	2083	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 12/12/11 - GEN.AUTH.

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
			1,825.68	0.00	1,825.68				
1204		32043	1,083.00			04/12/12	2087	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERVICE 2/7-2/29/12 GEN.AU
			1,083.00	0.00	2,908.68				
1205		32450	703.00			05/15/12	2089	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 3/12-3/21/12 GEN.AUT
			703.00	0.00	3,611.68				
1207		33171	684.00			07/11/12	2102	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 5/14/12 - GENERAL AU
			684.00	0.00	4,295.68				
1208		33676	475.00			08/14/12	2130	528	GAWTHROP GREENWOOD & HALSTED LEGAL SERV. 7/9/12 - GEN.AUTHORI
			475.00	0.00	4,770.68				
			4,770.68	0.00	4,770.68				
07424-7453	R.C. CAP EXPANSION - ELECTRICAL				0.00				
1206		32809	1,228.08			06/14/12	2091	2696	CLINGER CORP., WM. H. REPAIR TANK MIXER CONTROL CIRCUIT FAULT
			1,228.08	0.00	1,228.08				
			1,228.08	0.00	1,228.08				
07424-7475	LOCHWOOD ABANDONMENT ENGINEER				0.00				
1202		31393	2,600.00			02/22/12	2082	2911	EARTHCORE SERVICES LLC MOBILIZATION, ATV RIG, AUGER PRO LOCKWOOD ENGINEERING
			4,315.00			02/22/12	2084	1052	PENNONI ASSOCIATES INC. SERV. THRU 1/15/12 LCSTP FINAL D
		***	6,915.00	0.00	***				
			6,915.00	0.00	6,915.00				
1203		31608	7,440.50			03/13/12	2086	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/11/12 LCSTP FI DESIGN
			7,440.50	0.00	14,355.50				
1204		32043	1,366.00			04/12/12	2088	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/18/12 LOCHWOOD
			1,366.00	0.00	15,721.50				
1205		32450	4,124.25			05/15/12	2090	1052	PENNONI ASSOCIATES INC. SERVICES THRU 4/15/12 LCSTP

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
			4,124.25	0.00	19,845.75				
1206		32809	7,527.25			06/14/12	2092	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/31/12 TO ACCOMADATE INCREASE IN FLOW TO P
			7,527.25	0.00	27,373.00				
1207		33171	7,009.25			07/11/12	2104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/12 - LOCHWOOD CHASE PHASE S
			7,009.25	0.00	34,382.25				
1208		33676	3,725.25			08/14/12	2131	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/15/12 -LOCHWOOD CONSTRUCTION PHASE S
			3,725.25	0.00	38,107.50				
1209		34048	3,985.80			09/11/12	2136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/12 - HERSH.MI PUMP STATION MUFFIN MONSTER
			3,985.80	0.00	42,093.30				
			42,093.30	0.00	42,093.30				
07424-7476	LOCHWOOD	ABANDONMENT CONSTRUCTION			0.00				
1206		32809	105,473.97			06/14/12	2093	2947	SJM CONSTRUCTION CO. INC. APPLICATION 1 OF CONTRACT
			105,473.97	0.00	105,473.97				
1207		33171	3,826.04			07/11/12	2101	425	EAST GOSHEN TOWNSHIP REIMBURSE GEN.FUND RE: LOCHWOOD PLANT CLOSING - LABOR COSTS AS O 6/30/12
			42,086.94			07/11/12	2105	2947	SJM CONSTRUCTION CO. INC. APPLICATION #2 - LOCHWOOD CONTRA
		***	45,912.98	0.00	***				
		33173	3,954.36			07/11/12	2106	425	EAST GOSHEN TOWNSHIP REIMBURSE GEN.FUND RE: LOCHWOOD PLANT CLOSING - REGULAR TIME LAB
		33327	15,120.00			07/23/12	2113	800	MACANGA INC. HAUL FILL OUT OF WESTTOWN WAY 18 TONS
		33415	432.00			07/27/12	2116	489	FISHER & SON COMPANY INC 6 BAGS COMMERCIAL SEED MIX
			123.00			07/27/12	2117	61396	HAULER, JACK L. REIMBURSE -1/2 DOG FENCE REPAIR
		***	555.00	0.00	***				
JE		33635		3,826.04		08/13/12	RECLASS		RECLASS CK.#'S 2101 & 2106 TO LOCHWOOD ELIMINATION PHASE 2

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-7476	1207	JE	33635		3,954.36		08/13/12	RECLASS		RECLASS CK.#'S 2101 & 2106 TO LOCHWOOD ELIMINATION PHASE 2
			***	0.00	7,780.40	***				
				65,542.34	7,780.40	163,235.91				
	1209	CD	34048	13,632.57			09/11/12	2137	2947	SJM CONSTRUCTION CO. INC. APPLICATION #3 - LOCHWOOD CHASE
			34234	413.00			09/24/12	2139	1876	RANSOME RENTAL COMPANY LP EQUIP.RENTAL 9/5-9/7/12 STANDARD TRACK
				14,045.57	0.00	177,281.48				
				185,061.88	7,780.40	177,281.48				
07424-7477	LOCHWOOD	ELIMINATION PHASE 2				0.00				
	1206	33040		352.68			06/29/12	2095	765	LENNI ELECTRIC CORPORATION SET UP TEMPORARY PUMP - LOCHWOOD
				450.00			06/29/12	2096	2342	POWERPRO EQUIPMENT 50 HYDRATED WHITE - LOCHWOOD PLA CLOSURE
				4,780.00			06/29/12	2097	550	XYLEM DEWATERING SOLUTIONS INC. (GODWIN) GODWIN SUBMERSIBLE PUMP & CONTRO PANEL, HEAVY DUTY LAYFLAT HOSE
			***	5,582.68	0.00	***				
				5,582.68	0.00	5,582.68				
	1207	33128		42.50			07/05/12	2100	1065	PETTY CASH TOLLS - TO AND FROM GODWIN PUMPS LOCHWOOD ELIMINATION
			33209	123.87			07/13/12	2107	2936	A ANCHOR TOILETS PORTABLE PORTABLE TOILET RENTAL 6/25-7/24
				4,640.85			07/13/12	2108	827	MARTIN LIMESTONE INC. 95.91 TONS MAG LIMESTONE
				390.00			07/13/12	2109	2342	POWERPRO EQUIPMENT 20 2200 M 95 DUST MA, 40 HYDRATE WHITE LI
				1,265.00			07/13/12	2110	1876	RANSOME RENTAL COMPANY LP RENTAL - STANDARD TRACK - 6/20/1 6/25/12
				1,574.61			07/13/12	2111	1161	REILLY & SONS INC 259.4 GALLONS DIESEL - LOCHWOOD
				256.80			07/13/12	2112	550	XYLEM DEWATERING SOLUTIONS INC. (GODWIN) MALE AND FEMALE ADAPTORS, FEMALE CAM & GROOVE & MALE ADAPTOR
			***	8,251.13	0.00	***				
			33327	3,638.00			07/23/12	2114	1876	RANSOME RENTAL COMPANY LP ARTICULATED TRUCK RENTAL 6/26-6/
				5,941.45			07/23/12	2115	550	XYLEM DEWATERING SOLUTIONS INC. (GODWIN) 3" X 50' HEAVY DUTY LAYFLAT HOSE
			***	9,579.45	0.00	***				

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07424-7477	1207	CD	33415	174.82			07/27/12	2118	638	HOME DEPOT CREDIT SERVICES TARP & SIGNS - LOCHWOOD
				1,985.24			07/27/12	2119	827	MARTIN LIMESTONE INC. 72.56 TONS MAG LIMESTONE BULK
				423.00			07/27/12	2120	1087	PIPE XPRESS INC. 12X20 PE DBL WALL PIPE
				18,797.00			07/27/12	2121	1876	RANSOME RENTAL COMPANY LP D5 STANDARD TRUCK RENTAL 6/25/12 7/23/12
			***	21,380.06	0.00	***				
	JE		33635	3,826.04			08/13/12	RECLASS		RECLASS CK.#'S 2101 & 2106 TO LOCHWOOD ELIMINATION PHASE 2
				3,954.36			08/13/12	RECLASS		RECLASS CK.#'S 2101 & 2106 TO LOCHWOOD ELIMINATION PHASE 2
			***	7,780.40	0.00	***				
				47,033.54	0.00	52,616.22				
1208	CD		33513	384.00			08/03/12	2122	489	FISHER & SON COMPANY INC 8 BAGS BUILDERS MIX/THROW & GROW GRASS SEED
				661.50			08/03/12	2123	1849	HICKS BROTHERS LLC 147 SMALL BALES OF STRAW
				271.15			08/03/12	2124	739	KNOX EQUIPMENT COMPANY TOWABLE STRAW MULCHER RENT 7/23/ 8/12/12
				3,378.00			08/03/12	2125	1876	RANSOME RENTAL COMPANY LP STANDARD TRACK RENTAL 7/2-7/30/1
				1,368.05			08/03/12	2126	1161	REILLY & SONS INC 186.8 GALLONS DIESEL
			***	6,062.70	0.00	***				
			33667	675.00			08/14/12	2127	827	MARTIN LIMESTONE INC. 48.18 TONS AASHTO #1
			33676	43,397.75			08/14/12	2129	425	EAST GOSHEN TOWNSHIP REIMBURSE GEN.FUND RE: LOCHWOOD PLANT CLOSING - LABOR COSTS AS O 8/12/12
			33827	381.82			08/22/12	2132	598	HANSON AGGREGATES PENNSYLVANIA LLC 34.87 TONS STONE
				123.50			08/22/12	2133	765	LENNI ELECTRIC CORPORATION DISCONNECT FRO STATION SHUTDOWN
			***	505.32	0.00	***				
			33946	1,148.00			08/31/12	2134	1876	RANSOME RENTAL COMPANY LP BULL DOZER RENTAL 7/18-7/30/12
				51,788.77	0.00	104,404.99				
1209			34095	100.00			09/13/12	2138	739	KNOX EQUIPMENT COMPANY STRAW MULCHER RENTAL 9/6/12
				100.00	0.00	104,504.99				
				104,504.99	0.00	104,504.99				

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
07425-1000		MARYDELL				0.00				
	1203	31608		810.00			03/13/12	2086	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/11/12 MARYDELL
				810.00	0.00	810.00				
	1204	32043		1,422.00			04/12/12	2088	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/18/12 MARYDELL P
				1,422.00	0.00	2,232.00				
	1206	32809		320.50			06/14/12	2092	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/13/12 MARYDELL
				320.50	0.00	2,552.50				
	1207	33171		707.25			07/11/12	2104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/12 - MARYDELL
				707.25	0.00	3,259.75				
	1208	33667		1,100.00			08/14/12	2128	1248	SHAINLINE EXCAVATING INC HYDRO EXCAVATOR RENTAL 7/18/12
		33676		2,976.25			08/14/12	2131	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/15/12 - MARYDELL
				4,076.25	0.00	7,336.00				
	1209	34048		6,890.75			09/11/12	2136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/12 - MARYDELL
				6,890.75	0.00	14,226.75				
				14,226.75	0.00	14,226.75				
07426-1000		HERSHEY				0.00				
	1203	31608		2,336.75			03/13/12	2086	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/11/12 HERSHEY
				2,336.75	0.00	2,336.75				
	1205	32450		2,917.50			05/15/12	2090	1052	PENNONI ASSOCIATES INC. SERVICE THRU 4/15/12 HERSHEY MIL
				2,917.50	0.00	5,254.25				
	1206	32809		498.50			06/14/12	2092	1052	PENNONI ASSOCIATES INC. SERVICES THRU 5/13/12 HERSHEY MI
		33047		250.00			06/29/12	2099	263	CHESTER COUNTY CONSERVATION DISTRICT PERMIT FEE HM PS PROJECT
				748.50	0.00	6,002.75				
	1207	33171		4,112.75			07/11/12	2104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/12 - HERSHEY M
				4,112.75	0.00	10,115.50				
	1208	33676		2,924.25			08/14/12	2131	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/15/12 - H.MILL

MGRP18 run by BRIAN 1 : 18 PM

Acct #	Per	Src	Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
				2,924.25	0.00	13,039.75				
				13,039.75	0.00	13,039.75				
07427-1000						0.00				
	1203		31608	605.00			03/13/12	2086	1052	PENNONI ASSOCIATES INC. SERVICES THRU 12/11/12 RESERVE
				605.00	0.00	605.00				
	1204		32043	472.50			04/12/12	2088	1052	PENNONI ASSOCIATES INC. SERVICES THRU 3/18/12 RESERVE PU
				472.50	0.00	1,077.50				
	1205		32450	2,917.50			05/15/12	2090	1052	PENNONI ASSOCIATES INC. SERVICE THRU 4/15/12 RESERVE PS
				2,917.50	0.00	3,995.00				
	1206		33047	250.00			06/29/12	2098	263	CHESTER COUNTY CONSERVATION DISTRICT PERMIT FEE RESERVE PS PROJECT
				250.00	0.00	4,245.00				
	1207		33171	1,062.50			07/11/12	2104	1052	PENNONI ASSOCIATES INC. SERVICE THRU 6/17/12 - RESERVE P STATION
				1,062.50	0.00	5,307.50				
	1208		33676	2,924.25			08/14/12	2131	1052	PENNONI ASSOCIATES INC. SERVICES THRU 7/15/12 - RESERVE
				2,924.25	0.00	8,231.75				
	1209		34048	358.25			09/11/12	2136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/12 - HERS.MIL RESERVE PUMP PS
				358.25	0.00	8,590.00				
				8,590.00	0.00	8,590.00				
07428-1000						0.00				
				358.25			09/11/12	2136	1052	PENNONI ASSOCIATES INC. SERVICES THRU 8/12/12 - HERS.MIL RESERVE PUMP PS
				358.25	0.00	358.25				
				358.25	0.00	358.25				
Beg Bal			0.00	431,753.05	444,276.54	-12,523.49				

MGRP18 run by BRIAN

1 : 18 PM

Acct #	Per	Src Trx #	Debits	Credits	Beg/End Bal	Date	Check/Ref #	ID #	Name/Description
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SOCTOBER 2012
EAST GOSHEN MUNICIPAL AUTHORITY GOALS

ON-GOING

1. Submit an article for each newsletter.
 - a. Need by 2/8/12 - Kevin - **Completed**
 - b. Need by 5/2/12 –Jack - **Completed**
 - c. Need by 8/1/12 – Dana -**Completed**
 - d. Need by 11/7/12
 - e. February 2013
2. Attend West Goshen Meetings quarterly – more often if needed.
 - a. 1st Quarter (March) – Jack - **Completed**
 - b. 2nd Quarter (June) – Joe – Not completed
 - c. 3rd Quarter (September) – **Dana Completed- Went to August Mtg**
 - d. 4th Quarter (December) - Kevin
3. Respond to capacity requests in 45 days or less.
Goshen Meadows
4. Implement I & I Plan
5. Conduct a sewer facilities tour after RCSTP construction is complete – Have tour in October (need to select a date) **October 20**

PROJECTS

1. Lockwood
 - a. Bid – Bid awarded 2/20 – Contract executed 3/12
 - b. Pipe Installation - Notice to proceed issued 3/20, Pipe work completed. Restoration work in progress. **Pipe Project Closed out 9/5/12**
2. **Abandon Plant** – Treatment pond filled in. Currently pumping down the and filling in the storage lagoon. **Still need to finish filling in ponds and remove structure.**
3. Marydell Pump Station
 - a. Design/Permit – In Progress Submitted HOP to Penn DOT. **HOP Received. All permits received. Waiting on easement from shopping center**
 - b. Bid
 - c. Pipe Installation
 - d. Abandon Pump Station
4. Hershey Mill Pump Station
 - a. Design/Permit – In Progress **GP5 and CCCD approval letter issued. Working on easements**
 - b. Bid
 - c. Pipe Installation
5. Reserve Pump Station - In Progress
 - a. Design/Permit **working on easements**
 - b. Bid
 - c. Pipe Installation
 - d. Abandon Pump Station

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

October 5, 2012

To: Municipal Authority

From: Mark Miller

Re: Replace Electrical Disconnects

On Monday October 1, 2012, Scott Towler called to report that the disconnect on pump two was inoperative. I called Lenni Electric to make repairs, when they opened the disconnect they found it was full of water. We opened the other two and found the same problem. The corrosion is so bad that the disconnects and hardware will have to be replaced. We also opened the wiring on the backside and found the same problem. We opened the other disconnects at the plant to see if any other ones were holding water; they were all dry.

I have attached a copy of the quote from Lenni Electric to replace the disconnects. The attached pictures show the corrosion and the water in the boxes. I put purple dye in one box to show the water.

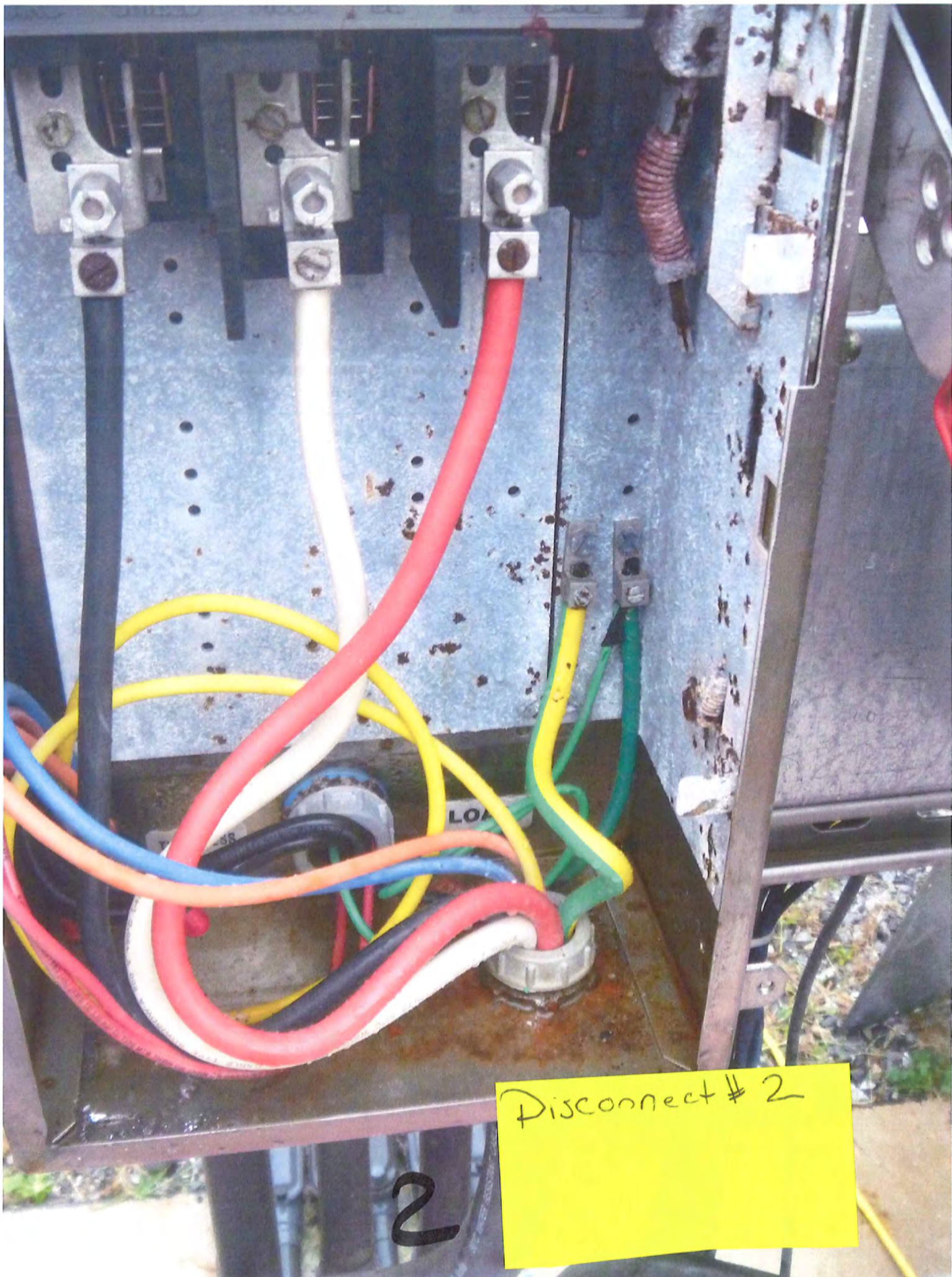


Shows water from disconnect # 2

480 VOLTS

480 VOLTS

!!!



Disconnect # 2

2

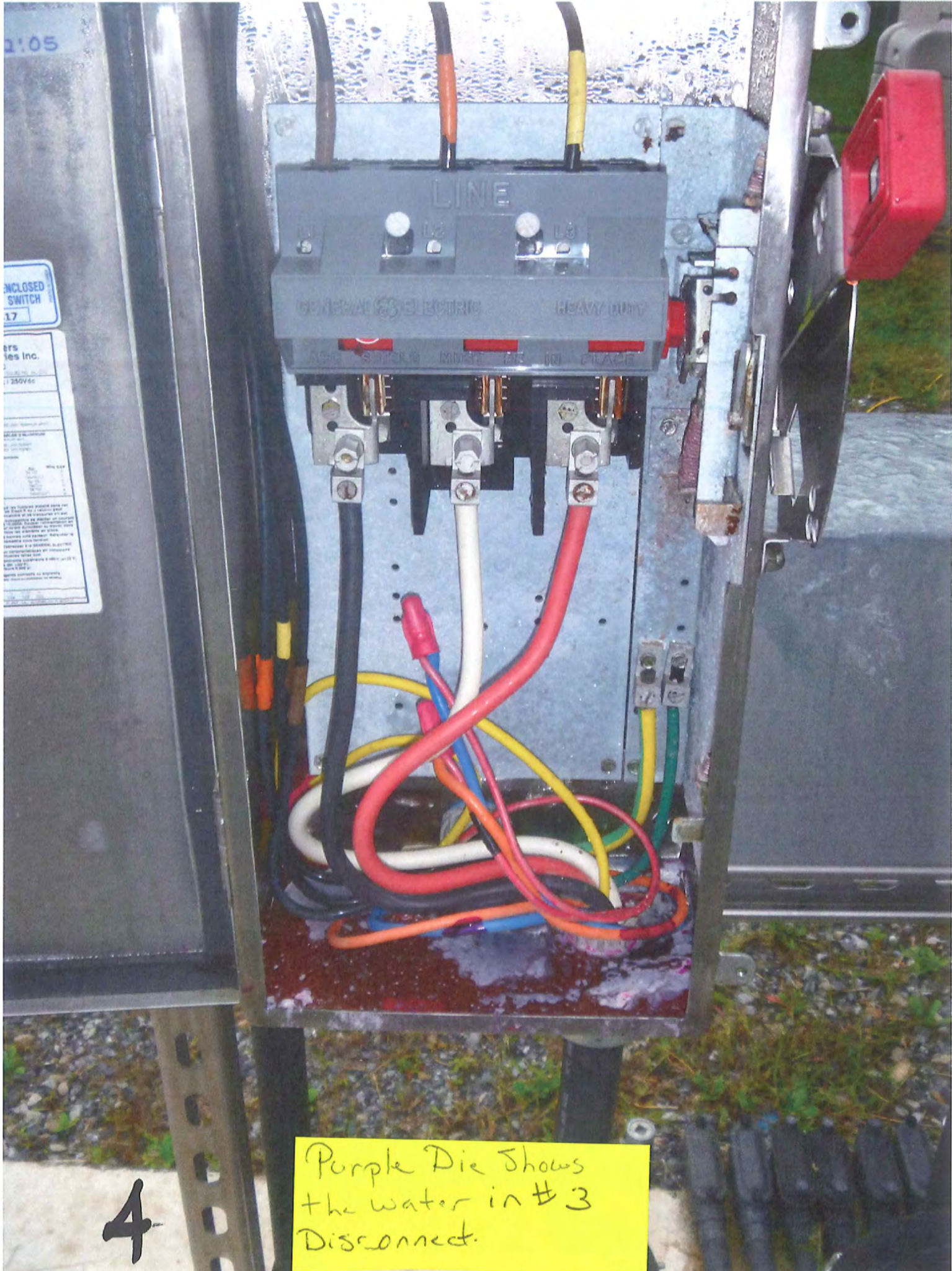


DUTY

PLACE

Close up of the Corrosion

3



1:05

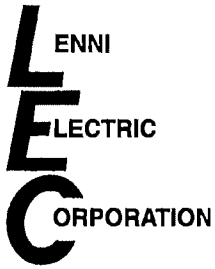
ENCLOSED SWITCH 17

ers Inc. 1250Vdc

WARNING: ALL ELECTRICAL WORK SHOULD BE DONE BY A LICENSED ELECTRICIAN. DO NOT ATTEMPT TO REPAIR OR REPLACE THIS EQUIPMENT UNLESS YOU ARE A LICENSED ELECTRICIAN. FAILURE TO FOLLOW THESE INSTRUCTIONS MAY RESULT IN PERSONAL INJURY OR DEATH. CONTACT YOUR LOCAL ELECTRICAL CONTRACTOR FOR MORE INFORMATION.

4

Purple Die Shows the water in #3 Disconnected.



Oct 04 2012

East Goshen Township
1580 Paoli Pike
West Chester, PA. 19380

Attn: Mr. Mark Miller

Re: Ridley Creek WWTP
Replacement of Water Damaged Equipment

We offer a price of \$6,668.09 for the following at the above referenced location.

- LS – Remove and dispose of existing rack, trough and safety switches
- 1 – Reconstruct rack using stainless steel strut ,supports and hardware
- 1 - 6"X6"X48" 4X Stainless steel trough
- 3 – Sq. D 600V 60A 3 pole safety switches
- 6 – 1" pvc coated hubs
- 3 – 1" X 4" pvc coated nipples
- LS – Remove corrosion from conductors and re terminate

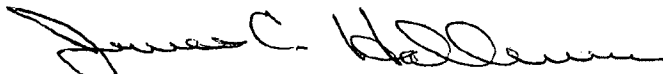
Electrician – 16 hrs. @ \$69.00	\$1,104.00
Materials	\$4,838.34
15%	<u>\$ 725.75</u>
	\$6,668.09

Note : Approx. 4 hr bypass pumping will be needed.

If you have any questions, please contact me directly.

Sincerely,

LENNI ELECTRIC CORPORATION



James C. Hallman
C & I Division

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

October 5, 2012

To: Municipal Authority
From: Mark Miller
Re: September 2012 Monthly Report

Meters: Have been read on a daily basis. The meter for Westtown Way has been replaced, the Reservoir Road meter is back in service.

Pumping Stations: Were visited on a routine basis, no problems to report.

C.C. Collection: We replaced several sewer caps during the month . No problems to report.

R.C. Collection: No problems to report.

R.C. Plant: Routine maintenance was performed during the month. The final paving was completed two weeks ago. See memo with regards to wet well Disconnects

Lockwood Plant: We are still waiting on PECO to turn off power and remove the transformers.

Alarms: We responded to 10 alarms during the month ranging from generators running to a high level alarm; all alarms were cleared and all stations put back in service.

PA One Calls: We received 109 PA One calls for the month of August.



MEMORANDUM

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

FROM: Daniel Barbato, P.E.
Authority Engineer

DATE: October 4, 2012

SUBJECT: Engineer's Report

Invoices

- Invoices with summaries are provided under separate cover.

Ridley Creek Sewage Treatment Plant (RCSTP)

- We will continue to assist with operations support and plant troubleshooting, and review operator reports as we receive them.

LCSTP Elimination

- No further activity. The project has been completed, and our understanding is that final payment was made.

Hershey's Mill PS Diversion and Reserve PS Elimination

- DEP issued the GP-5 "General Permit for Utility Line Stream Crossing" for the Hershey Mill PS Diversion on August 31, 2012.
- DEP has reviewed the GP-5 "General Permit for Utility Line Stream Crossing" permit applications for the Reserve PS Diversion and has verbally informed us that the permit is acceptable subject to a bog turtle screening by the Army Corps of Engineers (ACOE). We submitted a bog turtle screening request to the ACOE on October 3, 2012. They informed us they will attempt to provide a bog turtle habitat determination within 30 days. If there is no habitat, then DEP can issue the GP-5 permit. If there is habitat, we will have to coordinate impact mitigation strategies with Fish and Wildlife Service.
- The Chester County Conservation District (CCCD) issued Erosion and Sediment Pollution Control Plan adequacy letters for the Hershey Mill PS and Reserve PS projects on September 4 and September 11 respectively.
- We revised the four (4) sanitary sewer easement legal descriptions and exhibits for the diversion projects – one (1) for the Hershey's Mill PS and three (3) for the Reserve PS –

to include construction limits. The revised documents were forwarded to the Township and Authority Solicitor.

- We expect to submit the Reserve Closure Plan and Hershey Mill PS Water Quality Management Permit Amendment to DEP by October 9, 2012.
- We also prepared draft bidding documents for each project. The projects will be bid separately, so separate bidding documents have been prepared. The Hershey Mill PS bidding documents and bid plans will be forwarded to the Township for review by the end of October. The Reserve PS bidding document and bid plans will be forwarded to the Township for review following once the bog turtle impacts are resolved.

Marydell PS Elimination

- DEP has verbally informed us that the Pump Station Closure Plan has been approved and that a formal approval letter should be issued by October 5, 2012.
- We prepared an easement legal description and exhibit for the shopping center. Once the easement is obtained, all third party approvals and permits will be in place, and the project can be put out to bid.
- We are finalizing the bidding document and bid plans. We anticipate forwarding the documents to the Township by October 15 for review, with the intent of having the documents completed and ready for the Authority to provide direction to advertise at their November 12 meeting.

Hershey's Mill Muffin Monster

- DEP issued an approval letter for the Muffin Monster installation on September 11, 2012. No other third-party approvals are required for this project.
- We have obtained a formal price quotation from the Muffin Monster supplier, which we have forwarded to the Township for approval. The quotation includes materials and start-up. Construction will be performed by Public Works.

Semi-Annual Sewer System (formerly "CO&A") Status Report

- We analyzed portable and permanent meter data from January-August 2012 and met with Mr. Smith and Mr. Miller to discuss our findings and recommendations for I/I investigations and future metering. We prepared the semi-annual sewer system status report and submitted it to the Township. This is the first internal-only report since the semi-annual CO&A submissions to DEP are no longer required.



Monthly Operations Report: September 2012

Treatment Process Operation

Sequencing batch reactors (SBRs) numbered 1, 3 and 4 were in service during the month of August. SBR No. 2 remains out of service with a proximately a mixture of 1 foot of sludge and rainwater within the tank. Transfer of the contents of SBR 2 is planned during October.

During August, there was a total six (6) exceedances of the final effluent discharge limitations for outfalls 001 and 002. Outfall 001 experienced three (3) exceedances. The total phosphorus month average was reported as 1.57 mg/L as compared to the discharge limitation of 0.5 mg/L. The total suspended solids monthly average and weekly maximum were reported as 26 mg/L and 42 mg/L, respectively. Outfall 002, Applebrook, experienced the same three (3) exceedances.

Total phosphorus removal improved, however, the monthly concentration remains above the permitted monthly average. Daily sample collection and analysis for total phosphorus of the SBR effluent and final effluent discharged was implemented to monitor phosphorus removal. During September, this monitoring was expanded to include the influent, sludge hold tank decant and centrate.

Total suspended solids (TSS) exceedances are the result of elevated dosage rates of aluminum sulfate solution passing through the disc filters as a fine solid not visible to the eye. The final effluent was observed to contain no visible solids, however, there was a slight opaque appearance (cloudiness). Samples analyzed on site for TSS produced a residue with a white color on the filter paper. Non detect values for CBOD₅, ammonia as nitrogen and fecal coliform support the assertion that the residue observed on the filter paper was largely inert solids rather than biomass solids

The process adjustments indicate the final effluent total phosphorus concentration is trending downward towards the discharge limitation concentration. Daily total phosphorus monitoring of the final effluent and post EQ (SBR effluent) will continue to monitor improvement towards achieving consistent total phosphorus concentrations compliant with the discharge limitation. Figure 1 illustrates the final effluent and Post EQ total phosphorus concentrations for August and September.

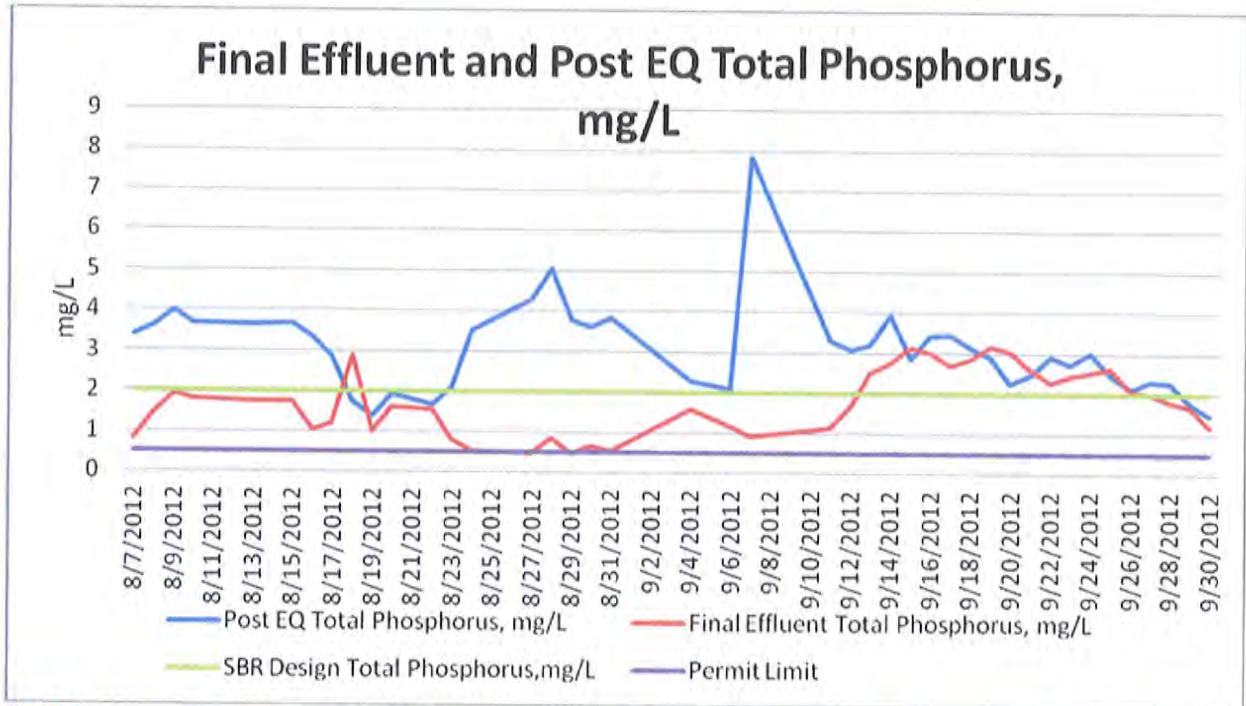


Figure 1

Additional details regarding total phosphorus removal are provided in an updated phosphorus removal update memo revised on October 4, 2012.

During September, the Neptune aluminium sulfate pump failed. Replacement parts were ordered and repair of the pump is scheduled for October 5th.

Presented below is a summary of the flow data for August and September 2012:

Flow data:

Flow Meter Location	August 2012		September 2012	
	Total Volume for Month, MGD	Average Daily Flow, gpd	Total Volume for Month, MGD	Average Daily Flow, gpd
Influent Wastewater	10.558	340,586	10.903	363,586
Treated Effluent to Disc Filters	8.691	280,353	9.789	326,291
Final Effluent Discharge	4.067	131,194	5.109	170,300
Applebrook Golf Course	2.178	70,262	1.759	58,645



Applebrook pump turned off on September 26, 2012

Chemical Usage:

September 2012		
Chemical	Daily Average	Total Monthly
Soda Ash	155 lbs./day	4,650 pounds
Magnesium Hydroxide	10 gpd	300 gallons
Alum	47.0 gpd	1,409 gallons
Polymer (centrifuge)	4.5*	27 gallons

**Six (6) days of centrifuge operation*

Solids Dewatering and Disposal: September 2012

During September, the centrifuge dewatering system was placed in service. Presented below is a summary of the solids processing activity:

September Sludge Dewatering Summary	
Gallons of sludge dewatered	178,512 gallons
Average Dewatered Total Solids, %	17.5
Wet Tons	20.19
Dry Tons	3.533
Number of dumpsters	2

Listed below is the sludge processing data for the month of August, which was not available at the time of the report preparation.

August Sludge Dewatering Summary	
Gallons of sludge dewatered	248,000 gallons
Average Dewatered Total Solids, %	17.6
Wet Tons	29.96
Dry Tons	5.275
Number of dumpsters	3

During the month, sludge wasting and decanting of the sludge holding tanks was ongoing. A total volume of 197,225 gallons of supernatant was decanted from the sludge holding tanks. pH and alkalinity were monitored on average twice per week and total solids once per week.



Sludge holding tank No. 1 began the month as 0.66 % total solids and was removed from service on September 9th. Tank level at the beginning of the month was 4.40 ft and at the end of the month was 1.37 ft.

Sludge holding tank No. 2 began the month as 0.89% total solids and ended the month at 1.09% total solids. Tank level at the beginning of the month was 11.90 ft and at the end of the month was 12.07 ft.

Maintenance, Repairs and Warranty

Listed below are the remaining warranty issues for RCSTP and status:

1. Alfa Laval spare parts:

Warranty call during March. Alfa Laval technician used parts from the Township's spare parts inventory to replace the rear bearing, seals, etc.

Action Required: Worth and Company (Alfa Laval) are in the process of replacing the spare parts (updated 10/1/12).

2. Siemens MCC Analog Hour Meters

The analog hour meters for SBR 2 blower, SBR 3 motive pump (recent), and SBR 4 motive pump have failed.

Action Required: Worth and Company are scheduling the replacement of the defective hour meters (updated 10/1/2012).

3. Alfa Laval MCC Hour Meter

The analog hour meter for Alfa Laval centrifuge hour meter has failed.

Action Required: Worth and Company are scheduling the replacement of the defective hour meters (updated 10/1/2012).

4. Influent Composite Sampler Pump

The influent sampler pump failed. A warranty claim was filed with Hach Company during July. On Sept. 24, 2012, Hach confirmed that the sampler was purchased during August 2009 and has a one year warranty.



Action Required: Worth and Company are scheduling the replacement of the defective hour meters (updated 10/1/2012).

5. SBR Alum valves (new)

The alum valves, used to provide alum to the SBRs, remain open at all times. Using the Siemens control panel to program operation of the alum addition to the SBRs (phase and run time of pump), all alum valves open and remain open regardless of phase. The valves open and close in manual mode. There appears to be a programming issue. An email was sent to Siemens on September 22, 2012.

Action Required: Worth and Company is working with Gary Roberts from ICI (Siemens) to correct the problem.

6. SBR 4 Blower operation during Aeratd Fill (new)

SBR 4 blower was observed on 9/22/12 and 9/23/12 to not operated during the aerated fill phase. The blower was observed to begin operation during React Phase. This malfunction is the most likely contributing factor for the undesirable DO trend as well as contributes to excessive anoxic/anaerobic conditions and potential for undesirable filamentous growth (SVIs are increasing)

Action Required: Worth and Company is working with Gary Roberts from ICI (Siemens) to correct the problem

7. Floc tank Mixer Hour Meter on ACS Panel (new)

The floc tank mixer is operational; however, the hour meter reading on the ACS panel does not register hours.

Action Required: None. Issue has been resolved.

**SUPPLEMENTAL REPORT
DAILY EFFLUENT MONITORING**

Facility Name: Ridley Creek Sewage Treatment Plant
Municipality: East Goshen Municipal Authority County: Chester
Watershed: 3-G
Laboratories: ALS Environmental

Month: 8 (select number) Year: 2012
Permit No.: PA0050504 Outfall: 002
Renewal application due 180 days prior to expiration.
This permit will expire on: February 28, 2017

Week	Day	Date	Flow MGD	pH	Dissolved Oxygen mg/L	CBOD5 mg/L	TSS mg/L	Fecal Coliform mg/L	NH3-N mg/L	Total Phosphorus CFU/100 ml
1	Sun	7/29/12	0.0779	7.1	7.78					
	Mon	7/30/12	0.0731	7.04	8.36					
	Tue	7/31/12	0.0731	7.08	8.04					
	Wed	8/1/12	0.0729	6.93	8.2					
	Thu	8/2/12	0.0727	6.87	7.97	< 2.0	20.0	< 1.0	< 0.1	1.1
	Fri	8/3/12	0.0773	7.12	8.12					
	Sat	8/4/12	0.0566	6.92	8.13					
2	Sun	8/5/12	0.0652	6.92	7.91					
	Mon	8/6/12	0.0683	6.93	8.31					
	Tue	8/7/12	0.0659	7.15	7.06					
	Wed	8/8/12	0.0731	7.08	8.0					
	Thu	8/9/12	0.0714	6.95	7.92	< 2.0	42.0	< 1.0	< 0.1	2.3
	Fri	8/10/12	0.0618	7.1	7.92					
	Sat	8/11/12	0.0733	7.13	8.19					
3	Sun	8/12/12	0.0760	6.96	8.38					
	Mon	8/13/12	0.0803	7.18	7.99					
	Tue	8/14/12	0.0659	6.96	8.46					
	Wed	8/15/12	0.0735	6.9	7.18					
	Thu	8/16/12	0.0715	6.94	6.56	3.3	39.0	< 1.0	2.77	2.2
	Fri	8/17/12	0.0646	6.81	7.64					
	Sat	8/18/12	0.0697	6.8	7.94					
4	Sun	8/19/12	0.0542	7.48	8.57					
	Mon	8/20/12	0.0683	8.11	8.59					
	Tue	8/21/12	0.0704	8.12	8.56					
	Wed	8/22/12	0.0691	8.11	8.16					
	Thu	8/23/12	0.0734	7.27	8.51	2.2	11.0	< 1.0	0.1	1.3
	Fri	8/24/12	0.0644	7.22	8.22					
	Sat	8/25/12	0.0795	7.45	8.87					
5	Sun	8/26/12	0.0786	7.04	7.8					
	Mon	8/27/12	0.0721	7.04	8.2					
	Tue	8/28/12	0.0768	7.14	8.06					
	Wed	8/29/12	0.0831	7.35	8.13					
	Thu	8/30/12	0.0682	7.41	8.55	< 2.0	17.0	< 1.0	0.1	0.93
	Fri	8/31/12	0.0608	7.3	8.44					
	Sat	9/1/12	0.0874	7.53	8.58					

Statistics for QMR

Daily Minimum (Conc.):	6.8	5.56	< 2	11	< 1	< 0.1	0.93
Daily Maximum (Conc.):	8.12	8.87	3.3	42	< 1	2.77	2.3
Max Avg Weekly (Conc.):		8.5	3.3	42	< 1	2.77	
Avg Monthly (Conc.):		8.08	< 2	26	< 1	< 0.63	
Geometric Mean (Conc.):		5	2	25	< 0.6	2	1
Max Avg Weekly (Load):		5	< 1	15	< 0.6	< 0.4	
Avg Monthly (Load):		2.17881	< 42	476	< 18	< 12	
Total Monthly (Load):		0.054206	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Minimum (Load):		0.065076	#REF!	#REF!	#REF!	#REF!	#REF!
Daily Maximum (Load):			#REF!	#REF!	#REF!	#REF!	#REF!

I certify under penalty of law that this document was prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. See 18 Pa. C.S. § 4904 (relating to unsworn falsification).

Prepared By: Scott A. Towler License No.: T0390
Title: Plant Operator Date: 27-Sep-12



September 27, 2012

Dave Wolfinger
Water Quality Specialist
Pennsylvania Department of Environmental Protection
2 East Main Street
Norristown, PA 19401

**Re: East Goshen Township Municipal Authority
NPDES Permit No. PA -August 2012 DMR**

Dear Mr. Wolfinger:

The Ridley Creek sewage treatment plant sequencing batch reactor activated sludge process is currently utilizing three (3) of the four (4) SBR basins. RCSTP outfalls 001 and 002 experienced three (3) exceedances of effluent discharge limitations. Both outfalls exceeded the discharge limitation for the monthly average for total phosphorus. Additionally, both outfalls exceeded the monthly average and weekly maximum for total suspended solids.

Previously reported with the July DMR, measures to improve biological phosphorus removal are ongoing. We have implemented adjustments of the sequencing batch reactor (SBR) operational set points to support condition to promote biological phosphorus removal. In addition, adjustment and monitoring of aluminum sulfate solution dosage feed rates to assist in total phosphorus removal are ongoing.

The elevated total suspended solids (TSS) concentrations are a result of very fine floc particles passing through the disc filters through the outfall. Final effluent clarity was good with no visible solids, however, samples filtered on site revealed a fine white substance as opposed to darker solids representative of those in the mixed liquor suspended solids (MLSS). Although the effluent clarity was good, the effluent periodically exhibited a slight "cloudiness." The cloudiness varied with flow rates through the disc filters. The non-detect concentrations for BOD₅, ammonia as nitrogen and fecal coliform concentrations support the belief that the TSS reported during August is characterized as an inert solid related to aluminum sulfate and colloidal solids.



Elevated total phosphorus concentrations during August are directly related to the elevated suspended solids concentrations.

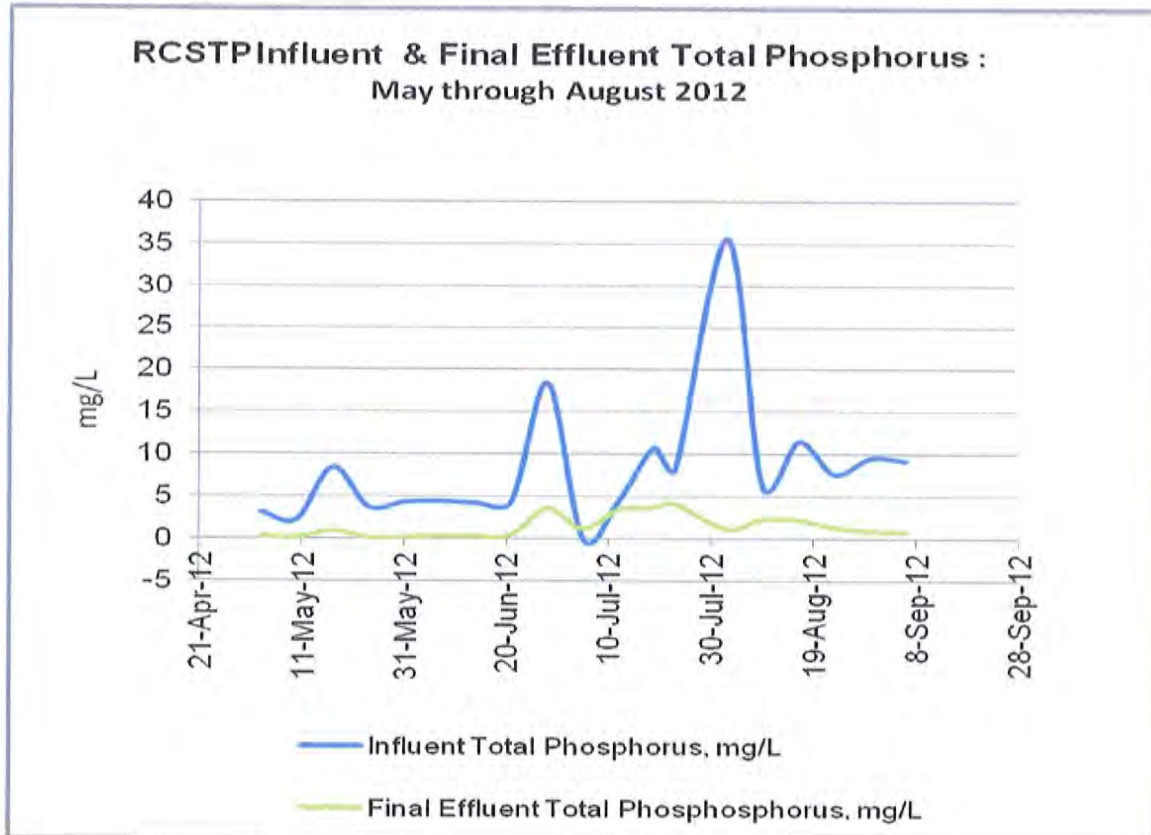
Corrective measures include daily on site monitoring of final effluent flow equalization tank and final effluent grab samples for pH, total alkalinity and total phosphorus. Daily total phosphorus data is used to determine adjustments to the aluminum sulfate solution dosage rates. In addition, adjustments to the activated sludge process are ongoing.

The influent total phosphorus data from May through August indicates an upward trend on increasing concentrations. Grab samples collected during sludge thickening and dewatering operations indicate high concentrations of phosphorus returned to the influent wastewater. Table 1 provides a summary of the data collected during May through August 2012.

Sample Date	Influent Total Phosphorus, mg/L	Final Effluent Phosphorus, Total, mg/L	Final Effluent Total Suspended Solids
May 3, 2012	3.1	0.23	12
May 10, 2012	2.2	0.12	8
May 17, 2012	8.4	0.87	6
May 24, 2012	3.7	0.1	6
May 31, 2012	4.3	0.11	<5
June 7, 2012	4.4	0.29	19
June 14, 2012	4.2	0.22	6
June 21, 2012	4.4	0.43	8
June 28, 2012	18.4	3.6	<5
July 5, 2012	4.7	1.1	13
July 12, 2012	4.4	3.4	<5
July 19, 2012	10.8	3.7	5
July 23, 2012	8.2	4.1	<5
August 2, 2012	35.6	1.1	20
August 9, 2012	6.2	2.3	42
August 16, 2012	11.5	2.2	39
August 23, 2012	7.6	1.3	11
August 30, 2012	9.5	0.93	17
September 6, 2012	9.2	0.72	6



The data in Table 1 is represented graphically in the chart 1.



Both Table 1 and Chart 1 indicate a downward trend of the final effluent total phosphorus concentration. The analytical report received for the September 6, 2012 indicates the trend is continuing to approach the discharge limitation of 0.5 mg/L.

During September, the pump that adds aluminum sulfate prior of the disc filters failed. Replacement parts arrived on September 27th. Repair of the pump is for September 28th. During the interim aluminum sulfate, solution has been added directly to the SBRs to assist in total phosphorus removal.



Should you have any questions, request additional information or clarification, please do not hesitate to contact me. You may contact me through email at scott.towler@comcast.net or by mobile phone at 484-401-4198.

Sincerely,

Scott A. Towler, P.E., SEO, LO
Big Fish Environmental services, Inc.

Cc: Rick Smith, East Goshen Township Manager
Mark Miller, East Goshen Township Director of Public Works
Daniel P. Barbato, P.E., Pennoni Associates, Inc.

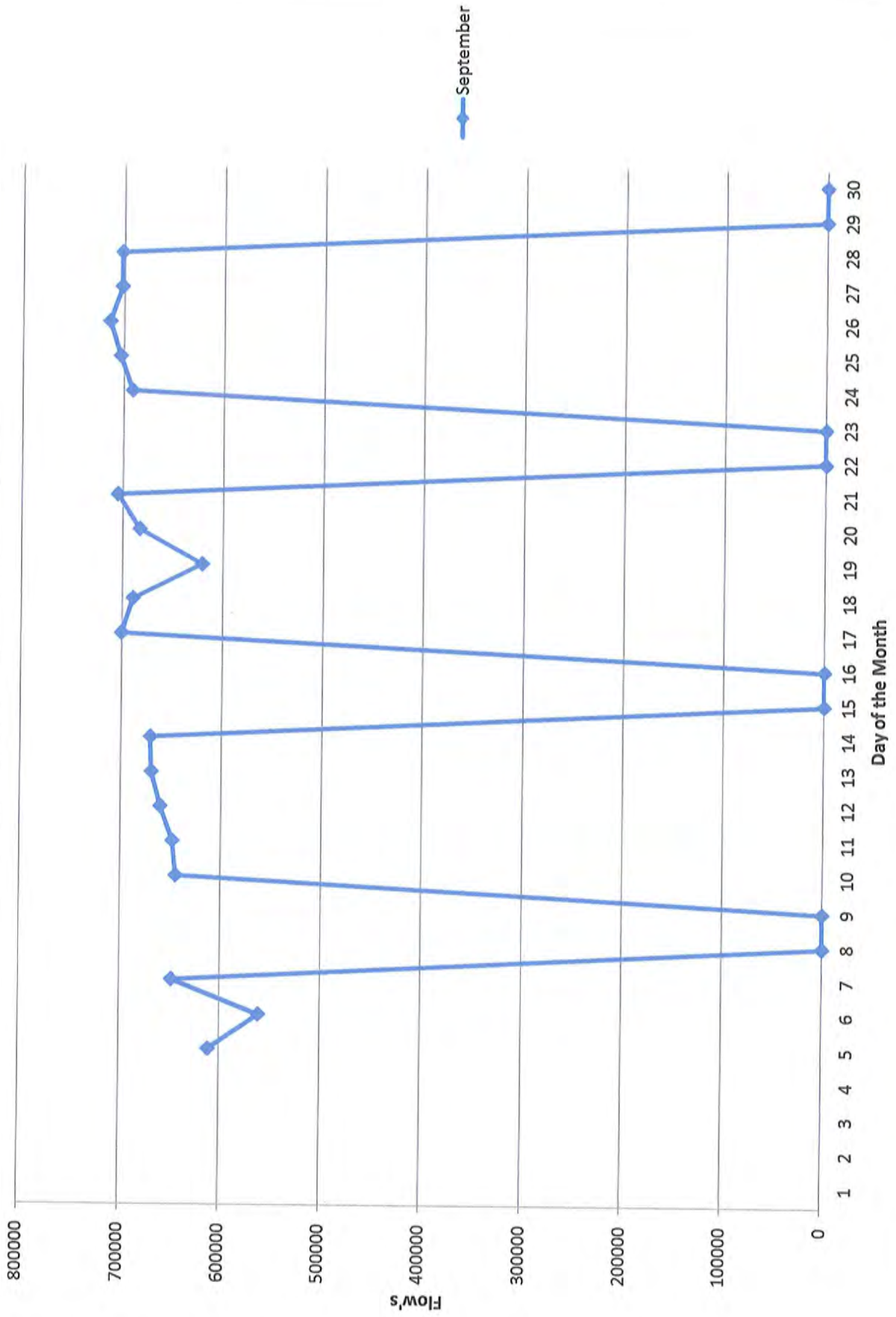
2012 SUMMARY OF METER READINGS

	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	SHERMAN	BARKWAY
JANUARY	1,296,433	152,585	69,729	69,440	20,400	73,086	90,225	67,846	909,322	6,922	12,327
FEBRUARY	1,172,663	140,579	61,074	65,911	20,400	63,555	73,939	295,466	1,019,637	6,561	11,350
MARCH	1,157,405	222,657	61,103	71,039	20,400	60,276	70,943	300,484	0	6,707	8,575
APRIL	1,059,167	186,208	53,353	57,578	20,400	58,987	63,358	285,508	285,613	6,407	10,305
MAY	1,144,546	167,830	63,648	81,622	20,400	55,378	60,690	304,075	652,083	6,354	10,862
JUNE	1,125,246	105,303	62,210	90,570	20,400	70,259	61,597			6,517	10,177
JULY	994,447	122,359	59,212	81,067	20,400	63,421	58,789	0	0	5,317	9,892
AUGUST	835,178	91,496	51,644	79,506	20,400	60,575	58,577	0	909,131	6,450	9,654
SEPTEMBER	0	117,229	51,630	78,510	20,400	66,058	60,098	0	760,473	6,647	9,596
OCTOBER											
NOVEMBER											
DECEMBER											
Total Flows											
Monthly Ave	976,121	145,138	59,289	75,027	20,400	63,511	66,468	250,676	756,043	6,431	10,304

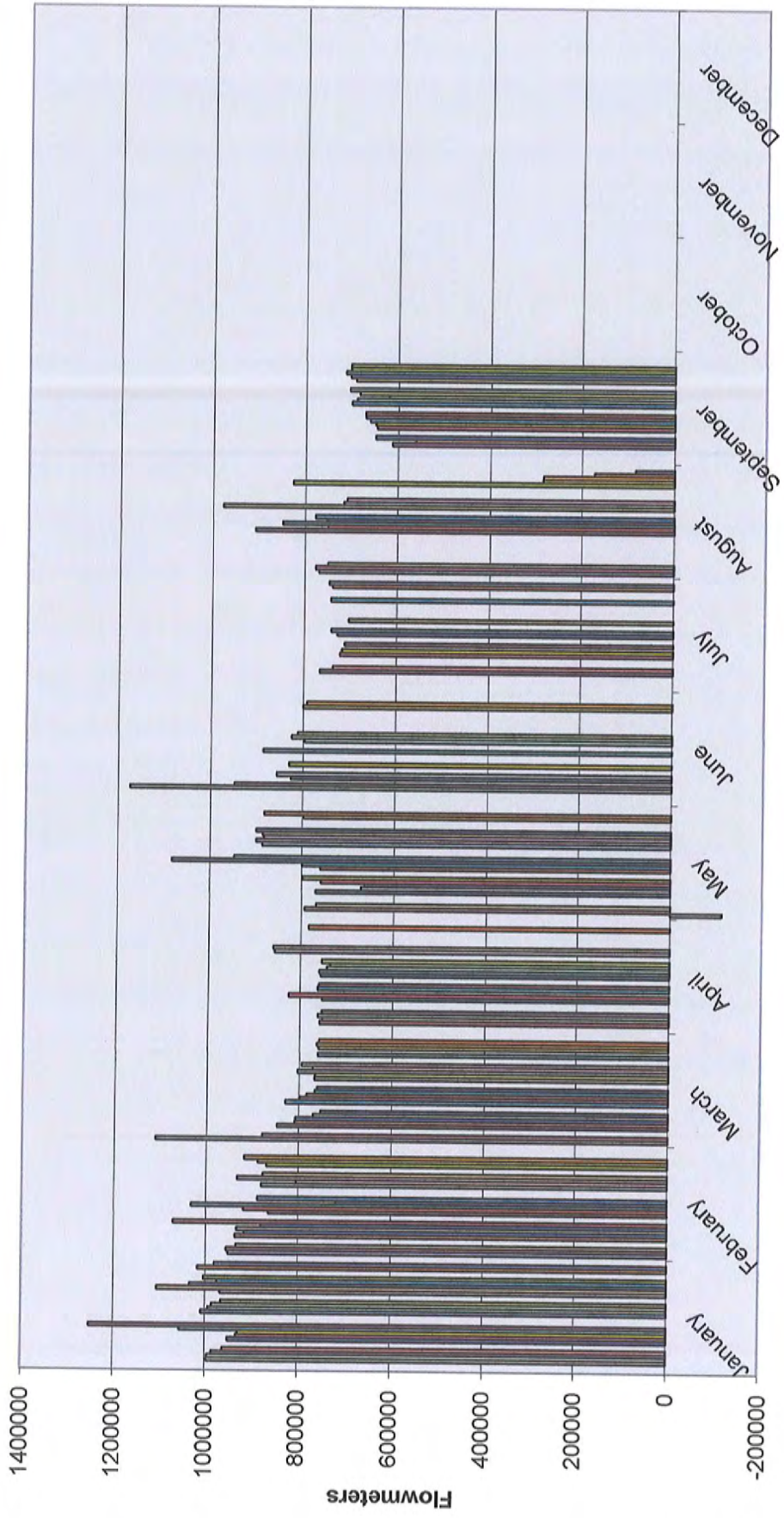
To
West Goshen

696,666

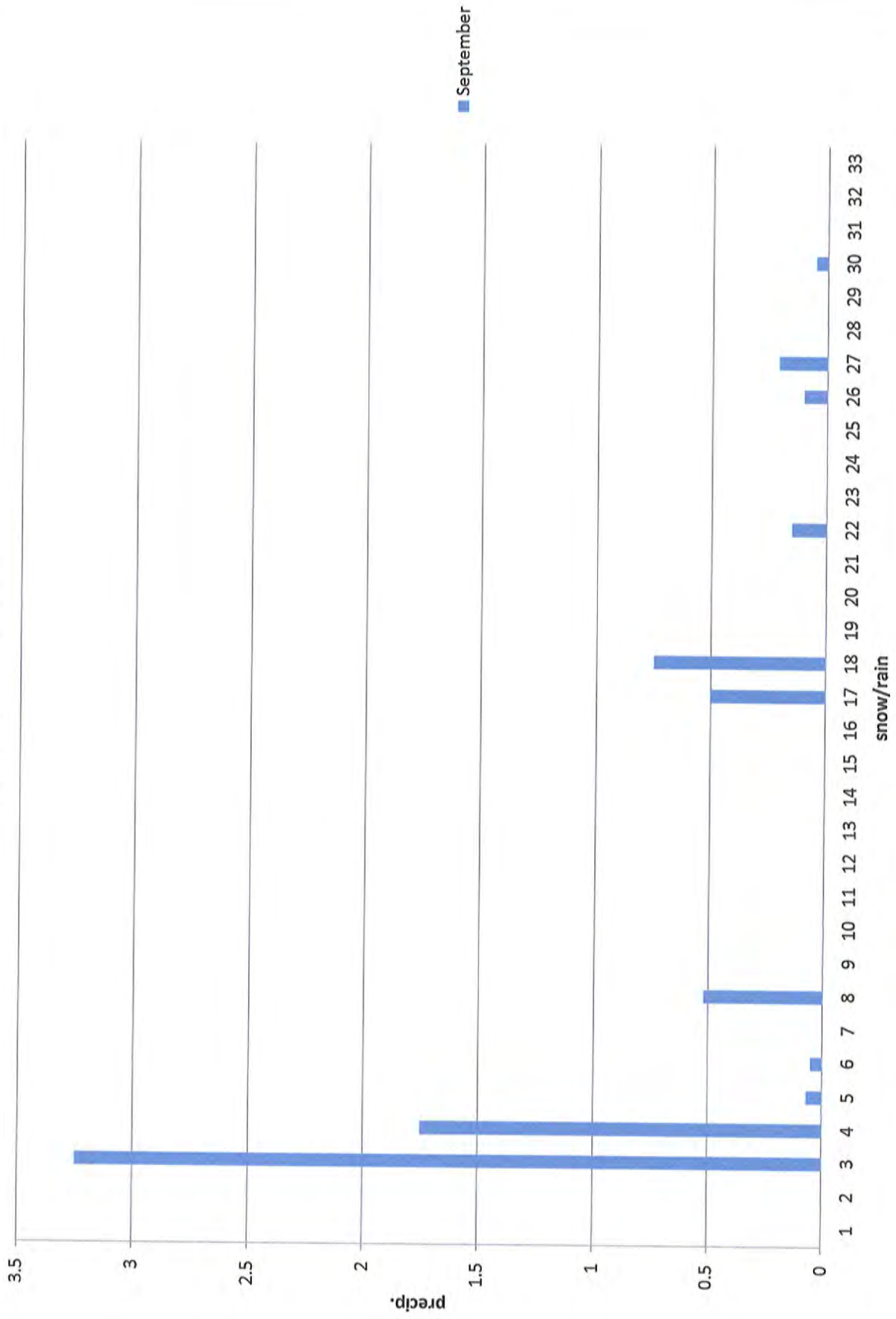
Flowmeters September 2012



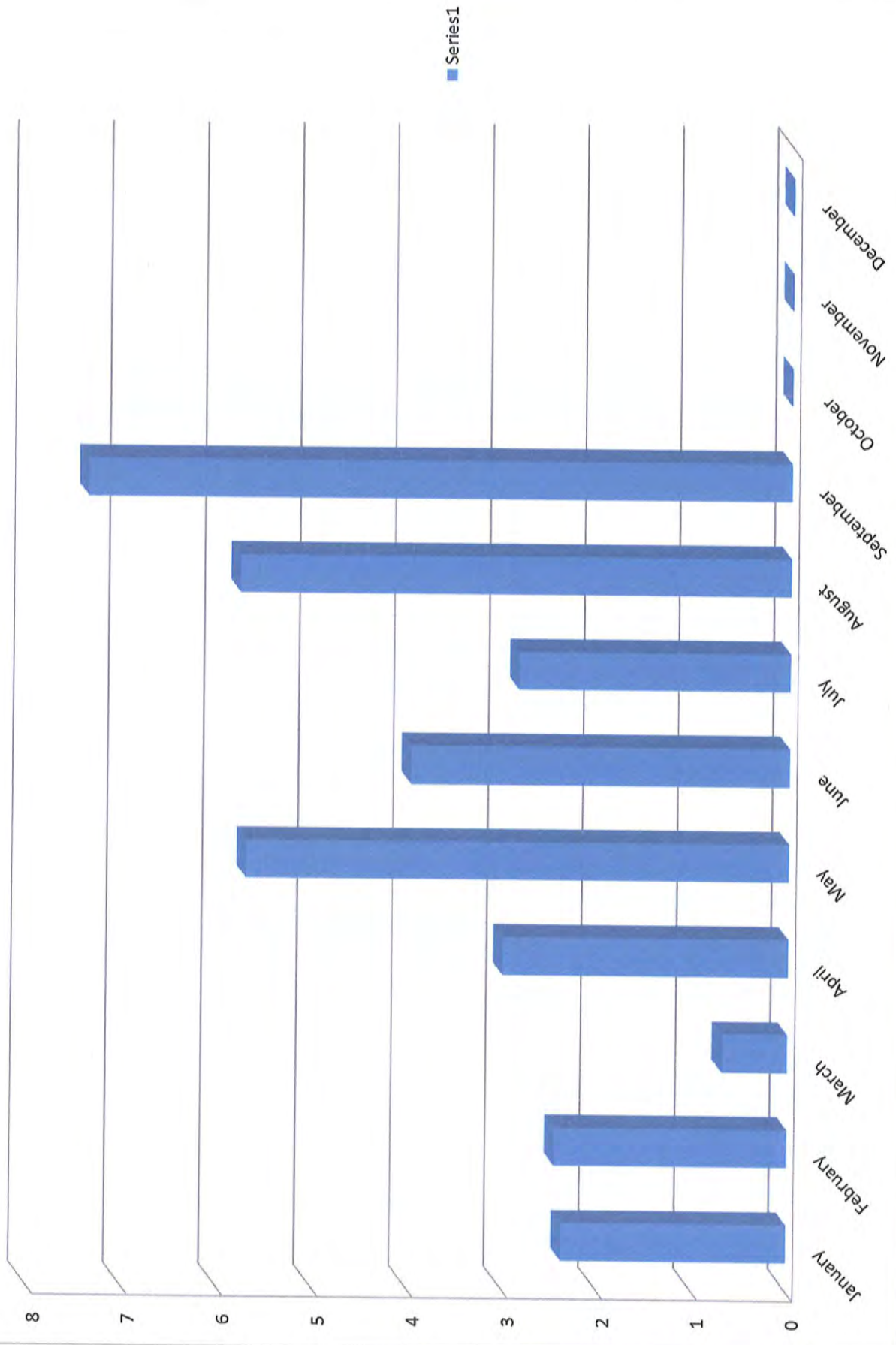
Monthly Totals 2012 Jan-Dec



Sept. Precip. 7.85 - 2012



2012 Monthly Precipitation



Executive Summary

Total phosphorus removal by the Ridley Creek Sewage Treatment Plant (RCSTP) has been adversely impacted by ineffective biological removal, inadequate delivery of aluminum sulfate and sludge processing. Corrective actions include;

- adjustments to improve biological phosphorus removal,
- addition of aluminum sulfate to the SBRs,
- repair of the pump (warranty) used to convey aluminum sulfate to the static mixer,
- omit all sludge processing and decanting operations two days prior to sample events (Thursday),
- continued daily monitoring of total phosphorus concentration of the post flow equalization basins and final effluent

Phosphorus removal improved during the month of August, however, the monthly average of 1.57 mg/L remains higher than the permitted discharge concentration of 0.5 mg/L. Weather and malfunctioning pumps during early September have adversely affected phosphorus removal. Continued adjustments to the activated sludge process and sequencing batch reactor (SBR) set points are frequently monitored to measure progress towards biological phosphorus removal. The time line to achieve consistent phosphorus removal that is compliant with the permitted discharge limitation is anticipated during October 2012, provided all mechanical equipment deficiencies are resolved during September.

Activated sludge process adjustments: biological removal

Three (3) of the four (4) SBR basins are on line. The target mixed liquor suspended solids (MLSS) concentration is the range of 2,900 to 3,300 mg/L. SBRs 1 and 3 have MLSS concentrations below the target. Heavy rainfall and flow rates during September 3rd and 4th resulted in solids loss during several filled settle and filled decant events. The average MLSS concentrations for the SBRs during September are; SBR 1 is 1,300 mg/L, SBR 3 is 1,606 and SBR 4 is 3,529 mg/L. Sludge wasting rates have been adjusted to increase the MLSS concentrations for SBRs 1 and 3. Additional process adjustments include:

Action	Objective
Reduction of the minimum time of aeration from 230 minutes to 195 minutes per cycle (this is the sum of aerated fill and react phases).	Increase the idle time to provide for a target range of 1 to 2 hours of anaerobic conditions.
Increase in the settle time from 60 minutes to 75 minutes.	Increases settle time to provide for additional anoxic/anaerobic conditions.
Addition of aluminum sulfate to the SBRs 1 and 3 (SBR 4 alum feed remains out of service due to warranty)	Addition of aluminum sulfate during mixed fill to coagulate available phosphorus released during anaerobic conditions.
Reduce the anoxic fill time from 44 minutes to 30 minutes.	Assist to reduce the oxygen demand during aerated fill and react caused as a result of extended anoxic/anaerobic conditions
Monitor final effluent and post flow equalization grab samples for total phosphorus.	Post flow equalization total phosphorus concentrations represent biological phosphorus removal and assist to determine the aluminum sulfate dosage rates.

Addition of aluminum sulfate to the SBRs

The Watson Marlow chemical feed pumps used to convey aluminum sulfate to the SBRs have been placed in service. These pumps have been temporarily in service to convey magnesium hydroxide solution to the SBRs to assist with maintaining adequate pH and alkalinity concentrations required for nitrification.

Aluminum sulfate solution can assist to improve settleability of the MLSS; however, it creates an alkalinity demand. Aluminum sulfate solution competes for alkalinity required for nitrification and contributes to lower pH values. Soda ash directly added to the SBR basins during fill or react phases assist to maintain adequate alkalinity concentrations required for nitrification. Magnesium hydroxide solution is also added to the influent wet well to assist in maintaining alkalinity concentrations.

Repair of malfunctioning equipment

Addition of aluminum sulfate solution to assist in phosphorus removal has recently been hindered by mechanical deficiencies. Worth & Company has been notified of the malfunctioning equipment and arrived on site on Thursday, September 13th to evaluate the equipment. The equipment is identified as:

Equipment	Deficiency	Impact
SBR 4 alum valve CV-34	Valve fails or open or close. Previously investigated by Worth & Company with no solution.	Prevents the addition of aluminum sulfate solution to SBR 4 for phosphorus removal.
Neptune alum feed pump	Pump was confirmed to have failed on September 11 th . Suction and discharge lines were confirmed to be clear of any obstructions. Pump motor functions, however, no chemical is conveyed.	Prevents the addition of aluminum sulfate solution to treated final effluent prior to the disc filters.

Solids processing

Grab samples of the sludge holding tank supernatant were measured to have total phosphorus concentrations ranging between 9 and 11 mg/L. The August influent phosphorus concentration monthly average was 8.7 mg/L (omitting the 35.6 mg/L value). This monthly average is higher than previous months as shown below:

- March 2012 Monthly Average 5.2 mg/L
- April 2012 Monthly Average 6.2 mg/L
- June 2012 Monthly Average 8.3 mg/L
- July 2012 Monthly Average 7.0 mg/L

Operation changes to omit any solids dewatering or decanting of the sludge holding tanks will be scheduled between Thursday evening and Monday evening. Weekly sample collection for DMR

reporting is scheduled for Thursdays. Schedule adjustments will be monitored for reduction of internal phosphorus loading.

Total Phosphorus Monitoring

During week days, daily monitoring of final effluent and post flow equalization effluent will be collected and analyzed for total phosphorus concentrations. In addition, grab samples of the sludge holding tank, centrifuge centrate and influent will be collected and analyzed during solids processing. Spilt sample analysis of samples sent to the contract laboratory will continue. In addition, Grab samples from the SBRs during react, settle and idle phases will be routinely analyzed for total phosphorus.

DRAFT REPORT

Ridley Creek Sewage Treatment Plant Monthly Operations Report

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
Sample Date	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
August 2, 2012	0.2692	1180	2,649	710	1,594	43.2	97	115	258	35.6	80
August 9, 2012	0.2753	278	638	208	478	34.3	79	35.9	82	6.2	14
August 16, 2012	0.2297	747	1,431	305	584			56.9	109	11.5	22
August 23, 2012	0.3594	309	926	56	168						
August 30, 2012	0.3075										
Average	0.2882	629	1411	320	706	39	88	69	150	18	39
Minimum	0.2297	278	638	56	168	34	79	36	82	6	14
Maximum	0.3594	1180	2649	710	1594	43	97	115	258	36	80

Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total, mg/L		Fecal Coliform	
		mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
MGD Average	0.75	20	125	21	131	7	44	0.5	3	200	1,000
Instantaneous Maximum		40		42							
Sample Date											
August 2, 2012	0.100	2.0	1.7	20	17	0.10	0.08	1.10	0.92	1	0.0000
August 9, 2012	0.104	2.0	1.7	42	36	0.10	0.09	2.30	1.99	1	0.0000
August 16, 2012	0.123	3.3	3.4	39	40			2.20	2.26	1	0.0000
August 23, 2012	0.164	2.2	3.0	11	15					1	0.0000
August 30, 2012	0.1050										
Average	0.1192	2.4	2	28	27	0.100	0.09	1.87	1.72	1	0.0000
Minimum	0.1000	2.0	2	11	15	0.100	0.08	1.10	0.92	1	0.0000
Maximum	0.1640	3.3	3	42	40	0.100	0.09	2.30	2.26	1	0.0000

Ridley Creek Sewage Treatment Plant Monthly Operations Report

FINAL REPORT

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
Sample date	MGD Average	335	2,098	320	2,001	32	200	48	301	9.1	57
July 5, 2012	0.3355	162	453	84	235	36.5	102	51.9	145	4.7	13
July 12, 2012	0.3159	237	624	328	864	28.4	75	35.6	94	4.7	12
July 19, 2012	0.3105	715	1,852	992	2,569	36	93	55.3	143	10.8	28
July 26, 2012	0.2926	587	1,432	542	1,323	3.92	10	62.9	153	8.2	20
Average	0.3136	425	1090	487	1248	26	70	51	134	7	18
Minimum	0.2926	162	453	84	235	4	10	36	94	5	12
Maximum	0.3355	715	1852	992	2569	37	102	63	153	11	28

Final Effluent - Out Fall 001											
NPDES Permit Discharge Limitations	Flow	CBOD ₅		TSS		NH ₄ -N		Phosphorus, Total, mg/L		Fecal Coliform	
		mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	mg/L	lbs/month	Geo Mean	Geo Mean
Sample date	MGD Average	20	125	21	131	7	44	0.5	3	200	1,000
Instantaneous Maximum		40		42							
July 5, 2012	0.145	2.0	2.4	13	6	0.23	0.12	1.10	0.12	1	0.0000
July 12, 2012	0.108	2.0	1.8	5	5	0.10	0.09	3.40	0.09	1	0.0000
July 19, 2012	0.125	2.0	2.1	5	5	0.10	0.10	3.70	0.10	1	0.0000
July 26, 2012	0.128	2.0	2.1	5	5	0.10	0.11	4.10	0.11	1	0.0000
Average	0.1265	2.0	2	7	5	0.133	0.11	3.08	0.11	1	0.0000
Minimum	0.1080	2.0	2	5	5	0.100	0.09	1.10	0.09	1	0.0000
Maximum	0.1450	2.0	2	13	6	0.230	0.12	4.10	0.12	1	0.0000



THE COUNTY OF CHESTER

COMMISSIONERS

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Executive Director

PLANNING COMMISSION

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FYI

September 25, 2012

Dear Municipal Official:

I am pleased to provide you with 35 copies of an update to a brochure titled "*Discover the future - creating a sustainable future for Chester County.*" The Chester County Planning Commission, in partnership with the United States Department of Energy, created the second of two brochures to supplement our sustainability website www.ChescoPAgreen.org and to spotlight County-wide examples of successful sustainable activities in the public and private sectors as well as in educational institutions.

This brochure includes a link to an interactive map that is available online at:
<http://chescopagreen.org/resources/interactivemap.cfm>

In addition to expressing Chester County's commitment to expanding economic, environmental and social values, our sustainability website represents an implementation tool for the County's long-range policy plan, *Landscapes2*.

We hope you enjoy *Discover the future* and we invite you to explore www.ChescoPAgreen.org. Please feel free to display these in your municipal building. We will be glad to provide you with additional copies of the brochure if you wish.

Sincerely,

Ronald T. Bailey, AICP
Executive Director

RTB/WB/kp
Enclosure