

**EAST GOSHEN MUNICIPAL AUTHORITY**

**March, 14, 2011**

**Monday, 7:00 PM**

**1. CALL TO ORDER/PLEDGE OF ALLEGIANCE/MOMENT OF SILENCE**

- a. Ask if anyone will be taping the meeting?

**2. RIDLEY CREEK REPORTS**

- a. Brickhouse Environmental Project Manager Report  
b. Pennoni Engineers Report  
c. Cost Summary Report - Rick will provide at Mtg.  
d. Change Orders – None

**3. RIDLEY CREEK INVOICES**

a. Brickhouse Environmental #5815	\$	6,670.00
b. Pennoni, #465223	\$	6,737.00
c. Expansion Expense	\$	32.94
d. Gawthrop Greenwood, PC #87034	\$	385.00

**4. CHAIRMAN'S REPORT/OTHER MEMBERS REPORTS**

**5. APPROVAL OF MINUTES**

- a. February 14, 2011

**6. APPROVAL OF INVOICES**

a. Pennoni, #465221	\$	2,762.50
b. Pennoni, #465229	\$	1,491.25
c. Pennoni, #465288	\$	1,970.00
d. Pennoni, #465289	\$	1,542.50
e. Pennoni, #465228	\$	535.00
f. Gawthrop Greenwood, PC #87032	\$	760.00

**7. LIAISON REPORTS**

**8. FINANCIAL REPORTS**

- a. February Report

**9. OLD BUSINESS**

**10. GOALS**

- a. 2011 Goals

**11. NEW BUSINESS**

**12. CAPACITY REQUESTS - None**

**13. SEWER REPORTS**

- a. Director of Public Works Report – February 2011  
b. East Goshen Township Flows for 2010  
c. Miller Environmental, Inc. Monthly Operations Report

**14. ANY OTHER MATTER**

15. CORRESPONDENCE AND REPORTS OF INTEREST

- a. New address for Daniel Barbato, P.E.
- b. Final land development plan letter from Toll Brothers for Applebrook Meadows

16. PUBLIC COMMENT

17. ADJOURNMENT

18. EXECUTIVE SESSION - LEGAL

19. ADJOURNMENT

***Reminder*** – NEWSLETTER ARTICLE SUBMISSION DUE DATES:

**Article Due Date**

**Delivery date**

February 09, 2011 – Joe  
May 11, 2011 – Fran  
August 10, 2011 – Jack  
November 9, 2011- Dana

April 1, 2011  
July 1, 2011  
October 1, 2011  
January 1, 2011



**Brickhouse  
Environmental**  
*Consultants and Engineers*

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380

Invoice number 5815  
Date 3/1/2011

Client ID: 548

Contract: 09.2532

E Goshen Twp-Ridley Creek Sewer

Scope of Work: Project No. 09-2532-0 E. Goshen/Ridley Creek Sewer Plant/WW Engineering

Attn: Mr. Rick Smith, Township Manager

SEE PROJECT ACCOMPLISHMENTS ATTACHED.

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Professional Services Rendered Through the Month of February 2011.

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**Labor**

<u>Employee Type</u>	<u>Hours</u>	<u>Amount</u>
Project Manager	58.00	6,670.00
	Labor Total	58.00
		6,670.00
		<u>Amount</u>
Reimbursable		0.00
	Expense Total	0.00
		<u>0.00</u>
	<b>Invoice Total</b>	<b>6,670.00</b>
		<u><b>6,670.00</b></u>

*Approved 3/9/2011*  
*[Signature]*

515 South Franklin Street  
West Chester, PA 19382

**Phone** 610.692.5770  
**Fax** 610.692.8650

Payment Terms: Net Thirty (30) Days; Credit Cards Accepted





## Brickhouse Environmental

### Project Accomplishments

BE Project No. 09-2532-0

### East Goshen/Ridley Creek Sewage Treatment Plant Upgrade/Expansion February 2011

The following Project Management tasks were performed for the Ridley Creek Wastewater Treatment Plant Expansion project, including:

- 2-1-11 Review emails regarding Clinger meeting. Provide payroll data.
- 2-2-11 Email review and responses.
- 2-7-11 Review of Michael Geradi's report. Review comments received for filamentous memo.
- 2-8-11 Compile input for the filamentous bacteris action plan memo. Gather additional information for causes and control of the filamentous bacteria identified in the samples analyzed by Michael Geradi. Email to Jeff Bush regarding warranty item status and change orders. Email to Bob Dina regarding status of punch list and studies.
- 2-11-11 Prepare summary of project activities for EGTMA for the month of January. Coordinate plant performance issues. Email review.
- 2-14-11 Prepare monthly Project Manager's report and attend Municipal Authority meeting.
- 2-15-11 Telephone conversation with Jeff Bush regarding warranty items. Coordination with Siemens Sunlight to arrange for a service visit for UV bank number 2.
- 2-16-11 On site visit to RCSTP to check progress of filamentous bacterium control and plant operations with respect to total nitrogen and phosphorus removal. Confirmed with Sherwood Logan for compatibility of the alum feed pumps to be used to pump sodium hypochorite. Meeting with Rick Smith.
- 2-17-11 Site visit for replacement of surge protector on the main electrical panel (main BUS) for the wastewater treatment. Reviewed preparations for addition of chemicals for filamentous control. Chemical fed systems required additional work and implementation of the chemicals is not anticipated until Monday, February 21, 2011. Reviewed SBR air slope, min air, max air, settle time and influent fill times with Jesse Goldberg. Requested that the process control data be placed in a spreadsheet that can be provided to Siemens in preparation of the April visit. Exchanged emails with Jeff Bush to arrange for ACS to provide training on their control panel and equipment.
- 2-18-11 Meeting on site at RCSTP to meet with Clinger and check the status for replacement of the TVSS for the panel proving power for the centrifuge and related equipment. Met with Bob Dina for an update on punch list and studies. The Arc Fals





## Brickhouse Environmental

and Short Circuit studies are complete and will be forwarded to Pennoni early next week for review and approval. Kevin (journeyman) and Ryan (apprentice) on site at RCSTP working on punch list items. Met with Mark Miller for a quick update of warranty issues. Emails and coordination with Jeff Bush to resolve outstanding issues. Review contract relative to when O&M manuals are to be delivered.

- 2-21-11 Follow up with Jesse Goldberg.
- 2-22-11 Emails with Jeff Bush to coordinate the Alfa Laval performance test and project management emails to Mark Miller.
- 2-23-11 On site visit to meet with Jeff Bush, Worth & Company regarding the Siemens Sunlight UV system and warranty issues. Reviewed operations of filamentous control. Deviation from plan through using the alum feed pump by hand rather than auto mode. Appears to be a communication issue between the alum feed pump and Siemens SBR control panel.
- 2-25-11 Meeting with Mark Miller to review items of concern as reported by Miller Environmental, Inc. Review outstanding warranty issues and scheduled repair visits. Visit to RCSTP.
- 3-1-11 Attend centrifuge acceptance performance test at RCSTP. Review operations and progress towards control of filamentous bacterium.
- 3-2-11 On site at RCSTP for the centrifuge acceptance test. Coordinated sample collection and records. Samples from Tuesday's test were picked up for analysis. Prepared samples and chains-of-custody for samples. Technician from Siemens Sunlight on site to repair UV bank No. 2. The UV light sensor required replacement. UV system fully operational and returned to automatic mode.
- 3-3-11 On site at RCSTP working with Eric Darcy (remotely) towards troubleshooting the alum feed Watson-Marlow chemical feed pumps. Both alum feed pumps are not functionally in the auto mode for the hard HOA. Left a voicemail for Gary Roberts at ICI for assistance. Emails to Jeff Bush confirming the centrifuge acceptance test was completed.
- 3-4-11 On site at RCSTP for follow up to the Watson-Marlow alum chemical feed pumps and Siemens SBR panel. Meet with Operator to confirm training held on March 3, 2011 with Allied Control Systems for any follow up questions, SHT #1 telescopic valve operation and confirmation of alarms.



# Brickhouse Environmental

East Goshen Township: Ridely Creek Sewer Plant Expansion Project Management Schedule Supplement

Brickhouse's contract for project management was originally anticipated to be completed week ending August 8, 2010 at 1,522 hours and \$175,030.

From April through October 2010, Brickhouse spent 100 hours on out of scope matters that were included in the total hours.

The duration was extended to week ending October 10, 2010 and attendance at the October 11, 2010 Authority meeting which then expended the original 1,522 hours.

The Board subsequently approved Brickhouse Environmental to continue to serve the Authority's needs as requested on a T&M basis.

## Monthly Project Management Subtotals Beyond the Original Budget

Month	Project Subtotals		
	Pro. Mgt. Hours	Cumulative Hours	Cumulative Fees
October 2010	36.25	36.25	\$4,168.75
November 2010	86.50	122.75	\$14,116.25
December 2010	136.00	258.75	\$29,756.25
January - February 4, 2011	97.75	356.50	\$40,997.50
February - March 4, 2011	58.00	414.50	\$47,667.50
			\$6,670.00

## Project Cumulating Totals

Project Management Hours	Fee
1,936.50	\$222,697.50



**MEMORANDUM**

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

**FROM:** Daniel Barbato, P.E.  
Authority Engineer

**DATE:** March 10, 2011

**SUBJECT:** Engineer's Report

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**RCSTP Upgrade and Expansion**

- Construction phase services continue with punchlist monitoring, final review of operations and maintenance submittals, troubleshooting, and coordination with the Project Manager and the Township.
- A breakdown of effort expended over the past month by Pennoni is provided with the invoice detail under separate cover.
- Worth and Company and Clinger Corporation are working on punchlist completion. A punchlist update for both contractors was distributed for review on March 9. Remaining punchlist items are minor with the exception of Operations and Maintenance Manual submittals from Clinger, and Clinger's Arc Flash/Short Circuit Study.
- O&M submittals from Worth are complete.
- Pennoni has completed the application paperwork for the renewal of the discharge permit, which expires in September. Letters of intent for the renewal (Act 14) will be filed to the required parties (Chester County Health Dept., Chester County Planning Commission and East Goshen Board of Supervisors) followed by submittal of the paperwork to DEP in the next week.

**I/I Metering Project**

- The Township continues to meter flows at selected locations. Meters are in operation in at new locations as recommended, and we will review meter data as it is submitted. Data has been received through January.

**Ridley Creek Consent Order**

- The next report is due to DEP in March of 2011. The March report is in progress and we expect to be ready to submit to DEP before the end of the month.

**LCSTP Elimination, Hershey Mill PS Diversion, Reserve PS Elimination Planning**

- Response to DEP comments and revised reports were submitted to DEP in February, prior to the deadline. We received a few informal questions and are addressing these. No formal comments have been received yet from DEP on the revised reports.

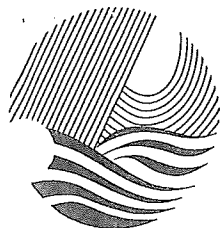
**Marydell PS Elimination Planning**

- The draft report for the Act 537 Plan Revision was submitted to the Township for review on March 9. Following the Authority's review, we will make the required Component 4 submissions to the East Goshen Planning Commission, West Goshen Planning Commission, Chester County Planning Commission, and Chester County Health Department.

**Chapter 94 Report**

- The annual updates to the Chapter 94 report are in progress. We will schedule a meeting with the Township to review developments and changes over the past year, and gather data needed to complete the report.





**Brickhouse  
Environmental**  
*Consultants and Engineers*

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380

Invoice number 5815  
Date 3/1/2011

Client ID: 548

Contract: 09.2532

E Goshen Twp-Ridley Creek Sewer

Scope of Work: Project No. 09-2532-0 E. Goshen/Ridley Creek Sewer Plant/WW Engineering

Attn: Mr. Rick Smith, Township Manager

SEE PROJECT ACCOMPLISHMENTS ATTACHED.

---

Professional Services Rendered Through the Month of February 2011.

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**Labor**

<u>Employee Type</u>	<u>Hours</u>	<u>Amount</u>
Project Manager	58.00	6,670.00
Labor Total	58.00	6,670.00

	<u>Amount</u>
Reimbursable	0.00
Expense Total	0.00

<b>Invoice Total</b>	<b>6,670.00</b>
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*Approved 3/9/2011*  
*[Signature]*

515 South Franklin Street  
West Chester, PA 19382

Payment Terms: Net Thirty (30) Days; Credit Cards Accepted

Phone 610.692.5770  
Fax 610.692.8650



PENNONI ASSOCIATES INC.  
CONSULTING ENGINEERS

# INVOICE

Philadelphia, PA  
215-222-3000 Fax: 215-222-3588

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 # : 465223  
Invoice Date : 03/02/2011  
Project : EGMA0707  
Project Name : RCSTP Expansion

For Services Rendered through: 02/13/2011

Construction and coordination meetings with contractors and Township; O&M submittal review; punchlist progress review; site observation and consultation with Township regarding same. Meetings to discuss punchlists with contractors, troubleshooting and operations review, and project closeout activities. Investigation, documentation, meetings and support related to Electrical Contractor claims.

Phase Code / Name		Contract Amount	Previously Billed	% Complete	Complete To Date	Amount This Invoice
01 -- Permit Design	est.	\$111,400.00	\$111,385.00		\$111,385.00	\$0.00
02 -- Permitting	est.	\$14,200.00	\$14,184.00		\$14,184.00	\$0.00
03 -- Final Design	est.	\$226,700.00	\$226,655.50		\$226,655.50	\$0.00
04 -- Bidding	est.	\$14,500.00	\$14,446.50		\$14,446.50	\$0.00
05 -- Construction	est.	\$136,200.00	\$136,197.62		\$136,197.62	\$0.00
06 -- Additional Submittals	est.	\$20,000.00	\$19,997.18		\$19,997.18	\$0.00
10 -- Continued Construction Services	est.	\$206,320.00	\$199,986.17		\$203,113.17	\$3,127.00
<b>Total :</b>		<b>\$729,320.00</b>	<b>\$722,851.97</b>		<b>\$725,978.97</b>	<b>\$3,127.00</b>

**Phase : 50 -- EC Response**

Labor Class	Hours/Units	Rate	Amount
Principal Engineer	1.00	115.00	115.00
Senior Engineer	10.50	105.00	1,102.50
Project Engineer	1.75	90.00	157.50
Authority Engineer	9.75	110.00	1,072.50
Technical Specialist	15.50	75.00	1,162.50
<b>Labor Total:</b>	<b>38.50</b>		<b>\$3,610.00</b>

*APPROVED*  
*M. Smith 3/9/11*

**Phase Subtotal**

**Amount Due This Invoice** \$6,737.00

East Goshen Municipal Authority  
EGMA0707 Invoice Summary.xls  
Invoice Date 03-02-2011

**Project:** RCSTP Expansion and Upgrade  
**Pennoni Job No.:** EGMA0707  
**Invoice No.:** 465223  
**Invoice Period:** 1/17/2010 to 2/13/2011

<b>Initial Authorization:</b>	\$ 465,000.00	<b>Date:</b>	8/14/2007
<b>Changes:</b>	\$ -	<b>Date:</b>	2/5/2009
<b>Changes:</b>	\$ 58,000.00	<b>Date:</b>	5/11/2009
<b>Changes:</b>	\$ 99,700.00	<b>Date:</b>	1/11/2010
<b>Changes:</b>	\$ 22,000.00	<b>Date:</b>	5/10/2010
<b>Changes:</b>	\$ 11,500.00	<b>Date:</b>	6/14/2010
<b>Changes:</b>	\$ 40,400.00	<b>Date:</b>	8/5/2010
<b>Changes:</b>	\$ 18,720.00	<b>Date:</b>	10/11/2010
<b>Changes:</b>	\$ 14,000.00	<b>Date:</b>	1/10/2011
<b>Contract Amount:</b>	\$ 729,320.00		
<b>Previously Invoiced:</b>	\$ 722,851.97		
<b>Current Invoice:</b>	\$ 3,127.00		
<b>Invoiced to Date (\$):</b>	\$ 725,978.97		
<b>Invoiced to Date (%):</b>	100%		
<b>Remaining Budget (\$):</b>	\$ 3,341.03		
<b>Remaining Budget (%):</b>	0.46%		

\* Note: Calculations do not include Phase 50, which is billed on a time and material basis.

**Budget by Phase:**

<b>Phase No.</b>	<b>10</b>
<b>Phase Name:</b>	<b>Continued Eng Svcs</b>
<b>Phase Budget:</b>	\$ 99,700.00
<b>Changes:</b>	\$ 33,500.00
<b>Changes:</b>	\$ 40,400.00
<b>Changes:</b>	\$ 18,720.00
<b>Changes:</b>	\$ 14,000.00
<b>Contract Amount:</b>	\$ 206,320.00
<b>Previously Invoiced:</b>	\$ 199,986.17
<b>Current Invoice:</b>	\$ 3,127.00
<b>Invoiced to Date (\$):</b>	\$ 203,113.17
<b>Invoiced to Date (%):</b>	98%
<b>Remaining Budget (\$):</b>	\$ 3,206.83
<b>Remaining Budget (%):</b>	3%

**Comments:** Construction and coordination meetings with contractors and Township; O&M submittal review; punchlist progress review; site observation and consultation with Township regard Meetings to discuss punchlists with contractors, troubleshooting and operations review, and project closer Investigation, documentation, meetings and support related to Electrical Contractor claims.

**Effort by Labor Category under Phase 10:**

Category	Previous Hrs.	Current	Total Hrs.
Authority Engineer	223.25	7.50	230.75
Senior Engineer	430.50	8.50	439.00
Senior Designer	221.00	1.00	222.00
Project Engineer	164.50	0.00	164.50
Staff Engineer	13.50	0.00	13.50
Associate Engineer	77.50	7.00	84.50
Graduate Engineer	43.75	0.00	43.75
Project Representative/Inspector	2.50	0.00	2.50
Technical Specialist (McAloon)	1121.75	10.00	1131.75
Engineering Technician I	57.25	0.00	57.25
Administrative Assistant I	1.50	0.00	1.50
<b>Totals</b>	<b>2357.00</b>	<b>34.00</b>	<b>2391.00</b>



RC Expan. Expense

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Mon, Feb 28, 2011

EXPECTED DELIVERY DATE:  
THUR, MAR 3, 2011 EOD

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MARK MILLER  
1580 PAOLI PIKE  
West Chester PA 19380  
(610) 692-7171

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# 434674  
100 DAYTON AVE  
AMES IA 50010-6402  
Business

SHIPPED THROUGH:  
THE UPS STORE #0753  
West Chester, PA 19380  
(610) 692-6076

SHIPMENT INFORMATION:  
UPS Ground Commercial  
5.05 lbs actual wt  
6.00 lbs billable wt  
Dims: 16.00x10.00x7.00  
Declared Value = \$1,000.00  
Sig Req (w/Delv Confirm)  
E-mail Notification: Ship  
  
Tracking Number: 1zE195574241996169  
Shipment ID: MM5EBTR9WJ01P  
Order/Item #: - -  
Ref#: - -

DESCRIPTION OF GOODS:  
PROBE

SHIPMENT CHARGES:  
Ground Commercial \$11.03  
Service Options \$21.05  
Fuel Surcharge \$0.66  
CMS Processing Fee \$0.20

Total \$32.94



001 001040 (001) TO \$ 32.94  
Ground Commercial  
Tracking# 1ZE195574241996169

SubTotal \$ 32.94  
Total \$ 32.94

House Account \$ 32.94  
EAST GOSHEN TOWNSHIP  
DEBBIE BEURY

Thank You DEBBIE BEURY

Receipt ID 82847938756211888998 001 Items  
CSH: Ronald Tran: 8266 Reg: 002

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D.O. Probe

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Alcoa  
M Add  
3/9/11



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  
02/28/2011  
Client No: 6604-08M  
Invoice No. 87034

Ridley Creek Treatment Plant - Arbitrations

Fees

		Hours	
02/01/2011			
SRM	Receipt and review correspondence from R Smith regarding settlement.	0.20	35.00
02/02/2011			
SRM	Review correspondence from client regarding status.	0.20	35.00
02/03/2011			
SRM	Telephone conference with client regarding settlement.	0.20	35.00
SRM	Respond to auditor's requests.	0.20	35.00
02/15/2011			
RFA	Conference with S McDonnell regarding Pennoni cooperation in mediation with Clinger Corp.; telephone conference with Rick Smith regarding use of Evan Andrews in defense of Clinger claim.	0.70	122.50
SRM	Review correspondence from R Smith regarding status.	0.20	35.00
SRM	Conference with R Adams regarding status.	0.30	52.50
02/17/2011			
SRM	Telephone conference with R Cohen regarding offer.	0.20	35.00
	For Current Services Rendered	2.20	385.00

Recapitulation

Timekeeper	Hours	Hourly Rate	Total
Robert F. Adams	0.70	\$175.00	\$122.50
Stephen R. McDonnell	1.50	175.00	262.50

Previous Balance \$2,592.50

Total Current Charges ok RS 385.00

02/16/2011 Fee Payment -1,872.50

East Goshen Municipal Authority

Page: 2

02/28/2011

Client No: 6604-08M

Invoice No. 87034

Ridley Creek Treatment Plant - Arbitrations

02/17/2011	Fee Payment	-720.00
	Total Payments	<u>-2,592.50</u>
	Balance Due	<u>\$385.00</u>

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.





**INVOICE**  
Philadelphia, PA  
215-222-3000 Fax: 215-222-3588

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 # : 465221  
Invoice Date : 03/02/2011  
Project : EGMA0703  
Project Name : **LCSTP Decommissioning Planning**

For Services Rendered through: 02/13/2011

Finalize reports and prepare for DEP submission.

Phase : 01 -- DEP Coordination  
Total Phase : 01 -- DEP Coordination

Labor : 1,041.25  
Expense : 0.00  
Phase Total : 1,041.25

Phase : 02 -- Act 537 Plan Update  
Total Phase : 02 -- Act 537 Plan Update

Labor : 1,721.25  
Expense : 0.00  
Phase Total : 1,721.25

Amount Due This Invoice

\$2,762.50

Fee : 29,700.00  
Prior Billings : 26,933.50  
Current Billings : 2,762.50  
Total Billings : 29,696.00

*Approved*  
*[Signature]* 3/9/2011

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 : 01 -- DEP Coordination

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Staff Engineer	12.25	85.00	1,041.25
Labor Total:	12.25		1,041.25

Total Phase : 01 -- DEP Coordination	Labor :	\$1,041.25
	Expense :	\$0.00

Phase : 02 -- Act 537 Plan Update

Labor Class	<i>Hours/ Units</i>	<i>Rate</i>	<i>Amount</i>
Authority Engineer	0.75	105.00	78.75
Project Engineer	18.25	90.00	1,642.50
Labor Total:	19.00		1,721.25

Total Phase : 02 -- Act 537 Plan Update	Labor :	\$1,721.25
	Expense :	\$0.00

Total Project : EGMA0703 -- LCSTP Decommissioning Planning	Labor :	\$2,762.50
	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  
 EGMA0703 Invoice Summary.xls  
 Invoice Date 3-2-2011

<b>Project:</b>	LCSTP Decommissioning Planning		
<b>Pennoni Job No.:</b>	EGMA0703		
<b>Invoice No:</b>	465221		
<b>Invoice Period:</b>	1/17/2011	<b>to</b>	2/13/2011
<b>Initial Authorization:</b>	\$ 23,700.00	<b>Date:</b>	5/14/2007
<b>Changes:</b>	\$ 6,000.00	<b>Date:</b>	12/14/2009
<b>Contract Amount:</b>	\$ 29,700.00		
<b>Previously Invoiced:</b>	\$ 26,933.50		
<b>Current Invoice:</b>	\$ 2,762.50		
<b>Invoiced to Date (\$):</b>	\$ 29,696.00		
<b>Invoiced to Date (%):</b>	100%		
<b>Remaining Budget (\$):</b>	\$ 4.00		
<b>Remaining Budget (%):</b>	0%		

**Budget by Phase:**

Phase No.	01 DEP	02 Act 537 Plan	10 Survey of
Phase Name:	Coordination	Update	Diversion Sewer
<b>Phase Budget:</b>	\$ 3,700.00	\$ 20,000.00	\$ 6,000.00
<b>Previously Invoiced:</b>	\$ 2,610.00	\$ 18,323.50	\$ 5,735.00
<b>Current Invoice:</b>	\$ 1,041.25	\$ 1,721.25	\$ 265.00
<b>Invoiced to Date (\$):</b>	\$ 3,651.25	\$ 20,044.75	\$ 6,000.00
<b>Invoiced to Date (%):</b>	99%	100%	100%
<b>Remaining Budget (\$):</b>	\$ 48.75	\$ (44.75)	\$ -
<b>Remaining Budget (%):</b>	1%	0%	0%

**Comments:** Finalize reports and prepare for DEP submission.





**INVOICE**  
 Philadelphia, PA  
 215-222-3000 Fax: 215-222-3588

**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 # :** 465229  
**Invoice Date :** 03/02/2011  
**Project :** EGMA0704  
**Project Name :** Pump Station Special Study

**For Services Rendered through: 01/23/2011**

Finalize reports and prepare for DEP submission.

**Phase : 01 -- Planning Study**

**Total Phase : 01 -- Planning Study**

**Labor :** 1,491.25  
**Expense :** 0.00  
**Phase Total :** 1,491.25

**Amount Due This Invoice**

**\$1,491.25**

**Fee :** 28,500.00  
**Prior Billings :** 26,990.00  
**Current Billings :** 1,491.25  
**Total Billings :** 28,481.25

**Phase : 01 -- Planning Study**

<b>Labor Class</b>	<b>Hours/Units</b>	<b>Rate</b>	<b>Amount</b>
Authority Engineer	1.75	105.00	183.75
Project Engineer	3.25	90.00	292.50
Staff Engineer	11.00	85.00	935.00
Associate Engineer	1.00	80.00	80.00
<b>Labor Total:</b>	<b>17.00</b>		<b>1,491.25</b>

**Total Phase : 01 -- Planning Study**

**Labor :** \$1,491.25  
**Expense :** \$0.00

**Total Project : EGMA0704 -- Pump Station Special Study**

**Labor :** \$1,491.25  
**Expense :** \$0.00

*OK TES*

East Goshen Municipal Authority  
 EGMA0704 Invoice Summary.xls  
 Invoice Date 03-02-2011

**Project:** Hershey Mill and Reserve Pump Station Diversion  
 Special Planning Study

**Pennoni Job No.:** EGMA0704

**Invoice No:** 465229

<b>Invoice Period:</b>	1/17/2011	to	2/13/2011
<b>Initial Authorization:</b>	\$ 14,000.00	<b>Date:</b>	7/9/2007
<b>Changes:</b>	\$ 14,500.00	<b>Date:</b>	12/14/2009
<b>Contract Amount:</b>	\$ 28,500.00		
<b>Previously Invoiced:</b>	\$ 26,990.00		
<b>Current Invoice:</b>	\$ 1,491.25		
<b>Invoiced to Date (\$):</b>	\$ 28,481.25		
<b>Invoiced to Date (%):</b>	100%		
<b>Remaining Budget (\$):</b>	\$ 18.75		
<b>Remaining Budget (%):</b>	0%		

**Budget by Phase:**

Phase No.	01	02	10
	Act 537 Special	Meetings	Survey of
Phase Name:	Study	Allowance	Diversion Sewer
<b>Phase Budget:</b>	\$ 12,500.00	\$ 1,500.00	\$ 14,500.00
<b>Previously Invoiced:</b>	\$ 12,496.00	\$ -	\$ 14,349.00
<b>Current Invoice:</b>	\$ 1,491.25	\$ -	\$ 145.00
<b>Invoiced to Date (\$):</b>	\$ 13,987.25	\$ -	\$ 14,494.00
<b>Invoiced to Date (%):</b>	112%	0%	100%
<b>Remaining Budget (\$):</b>	\$ (1,487.25)	\$ 1,500.00	\$ 6.00
<b>Remaining Budget (%):</b>	-12%	100%	0%

**Comments:** Finalize reports and prepare for DEP submission.



**INVOICE**  
 Philadelphia, PA  
 215-222-3000 Fax: 215-222-3588

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 # : 465288  
 Invoice Date : 03/02/2011  
 Project : EGMA1100  
 Project Name : 2011 Annual Services

For Services Rendered through: 02/13/2011

Preparation of monthly report, began forms for RCSTP NPDES permit renewal, prepare Act 14 letters.

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

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

Labor : 1,970.00  
 Expense : 0.00  
 Phase Total : 1,970.00

**Amount Due This Invoice**

\$1,970.00

Fee : 10,000.00  
 Prior Billings : 787.50  
 Current Billings : 1,970.00  
 Total Billings : 2,757.50

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

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	4.00	110.00	440.00
Project Engineer	17.00	90.00	1,530.00
<b>Labor Total:</b>	<b>21.00</b>		<b>1,970.00</b>

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

Labor : \$1,970.00  
 Expense : \$0.00

Total Project : EGMA1100 -- 2011 Annual Services

Labor : \$1,970.00  
 Expense : \$0.00

*Approved  
 M. Adair 3/9/2011*

East Goshen Municipal Authority  
EGMA1100 Invoice Summary.xlsx  
Invoice Date 03-02-2011

**Project:** 2011 Annual Services  
**Pennoni Job No.:** EGMA 1100  
**Invoice No:** 465288  
**Invoice Period:** 1/17/2011 to 2/13/2011  
**Initial Authorization:** \$ 10,000.00 **Date:** 12/13/2010  
**Contract Amount:** \$ 10,000.00  
**Previously Invoiced:** \$ 787.50  
**Current Invoice:** \$ 1,970.00  
**Invoiced to Date (\$):** \$ 2,757.50  
**Invoiced to Date (%):** 28%  
**Remaining Budget (\$):** \$ 7,242.50  
**Remaining Budget (%):** 72%

**Budget by Phase:**

**Phase No.** \*\*\*\*\*  
**2011 Annual**  
**Phase Name:** Services  
**Phase Budget:** \$ 10,000.00  
**Previously Invoiced:** \$ 787.50  
**Current Invoice:** \$ 1,970.00  
**Invoiced to Date (\$):** \$ 2,757.50  
**Invoiced to Date (%):** 28%  
**Remaining Budget (\$):** \$ 7,242.50  
**Remaining Budget (%):** 72%

**Comments:** Preparation of monthly report, began forms for RCSTP NPDES renewal, prepare Act 14 letters.





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 Philadelphia, PA  
 215-222-3000 Fax: 215-222-3588

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 # : 465289  
 Invoice Date : 03/02/2011  
 Project : EGMA1101  
 Project Name : 2011 Chapter 94 Reporting

For Services Rendered through: 02/13/2011

Begin preparation of Chapter 94 reports beginning with Ridley Creek.

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

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

Labor : 1,542.50  
 Expense : 0.00  
 Phase Total : 1,542.50

**Amount Due This Invoice**

1,542.50

Fee : 10,000.00  
 Prior Billings : 0.00  
 Current Billings : 1,542.50  
 Total Billings : 1,542.50

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

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	1.75	110.00	192.50
Project Engineer	15.00	90.00	1,350.00
<b>Labor Total:</b>	<b>16.75</b>		<b>1,542.50</b>

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

Labor : \$1,542.50  
 Expense : \$0.00

Total Project : EGMA1101 -- 2011 Chapter 94 Reporting

Labor : \$1,542.50  
 Expense : \$0.00

*Approved*  
*MB* 3/9/11

East Goshen Municipal Authority  
EGMA1101 Invoice Summary.xlsx  
Invoice Date 1-28-2011

Project: 2011 Chapter 94 Reporting  
Pennoni Job No.: EGMA 1101  
Invoice No: 465289  
Invoice Period: 1/17/2011 to 2/13/2011  
Initial Authorization: \$ 10,000.00 Date: 12/13/2010  
Contract Amount: \$ 10,000.00  
Previously Invoiced: \$ -  
Current Invoice: \$ 1,542.50  
Invoiced to Date (\$): \$ 1,542.50  
Invoiced to Date (%): 15%  
Remaining Budget (\$): \$ 8,457.50  
Remaining Budget (%): 85%

**Budget by Phase:**

Phase No. \*\*\*\*  
2011 Chapter 94  
Phase Name: Reporting  
Phase Budget: \$ 10,000.00  
Previously Invoiced: \$ -  
Current Invoice: \$ 1,542.50  
Invoiced to Date (\$): \$ 1,542.50  
Invoiced to Date (%): 15%  
Remaining Budget (\$): \$ 8,457.50  
Remaining Budget (%): 85%

Comments: Begin preparation of Chapter 94 reports beginning with Ridley Creek.



**INVOICE**  
Philadelphia, PA  
215-222-3000 Fax: 215-222-3588

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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 # : 465228  
Invoice Date : 03/02/2011  
Project : EGMA1102  
Project Name : 2011 COA Reports

For Services Rendered through: 02/13/2011

Import meter & precipitation data through December.

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

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

Labor : 535.00  
Expense : 0.00  
Phase Total : 535.00

**Amount Due This Invoice**

535.00

Fee : 11,000.00  
Prior Billings : 0.00  
Current Billings : 535.00  
Total Billings : 535.00

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

Labor Class	Hours/Units	Rate	Amount
Project Engineer	1.50	90.00	135.00
Associate Engineer	5.00	80.00	400.00
<b>Labor Total:</b>	<b>6.50</b>		<b>535.00</b>

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

Labor : \$535.00  
Expense : \$0.00

Total Project : EGMA1102 -- 2011 COA Reports

Labor : \$535.00  
Expense : \$0.00

Approved  
WRB  
3/9/11

East Goshen Municipal Authority  
EGMA1102 Invoice Summary.xlsx  
Invoice Date 1-28-2011

**Project:** 2011 COA Reports  
**Pennoni Job No.:** EGMA 1102  
**Invoice No:** 465228  
**Invoice Period:** 1/17/2011 to 2/13/2011  
**Initial Authorization:** \$ 11,000.00 **Date:** 12/13/2010  
**Contract Amount:** \$ 11,000.00  
**Previously Invoiced:** \$ -  
**Current Invoice:** \$ 535.00  
**Invoiced to Date (\$):** \$ 535.00  
**Invoiced to Date (%):** 5%  
**Remaining Budget (\$):** \$ 10,465.00  
**Remaining Budget (%):** 95%

**Budget by Phase:**  
**Phase No.** \*\*\*\*  
**Phase Name:** 2011 COA Reports  
**Phase Budget:** \$ 11,000.00  
**Previously Invoiced:** \$ -  
**Current Invoice:** \$ 535.00  
**Invoiced to Date (\$):** \$ 535.00  
**Invoiced to Date (%):** 5%  
**Remaining Budget (\$):** \$ 10,465.00  
**Remaining Budget (%):** 95%

**Comments:** Import meter & precipitation data through December.





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  
02/28/2011  
Client No: 6604-01M  
Invoice No. 87032

General Authority Services

Fees

		Hours	
02/04/2011	RFA Draft opinion to Authority auditors regarding pending litigation.	1.00	
02/14/2011	RFA Review packet for meeting of Authority 2/14/11; attend regular meeting of Municipal Authority.	3.00	
	For Current Services Rendered	4.00	760.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	4.00	\$190.00	\$760.00
Previous Balance			\$931.00
Total Current Charges			760.00
02/16/2011	Fee Payment		-931.00
Balance Due			\$760.00

*OKTS*

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.

**2011  
EAST GOSHEN MUNICIPAL AUTHORITY GOALS  
MARCH REPORT**

ON-GOING

1. Submit an article for each newsletter.
  - a. Need by 2/9/11 - Joe - Completed
  - b. Need by 5/11/11 - Fran
  - c. Need by 8/10/11 - Jack
  - d. Need by 11/9/11 -Dana
  - e. February 2012 - Kevin
2. Attend West Goshen Meetings quarterly – more often if needed.
  - a. 1<sup>st</sup> Quarter (March) Jack
  - b. 2<sup>nd</sup> Quarter (June) Fran
  - c. 3<sup>rd</sup> Quarter (September) Dana
  - d. 4<sup>th</sup> Quarter (December) Joe
3. Respond to capacity requests in 45 days or less.
4. Implement I & I Plan
5. Conduct a sewer facilities tour after RCSTP construction is complete

RIDLEY CREEK PROJECT

1. Monitor construction.
2. Invite Board of Supervisors and all other ABC members to tour the plant.
3. Open House at the RCSTP
4. Have Siemens conduct a training session for Miller and Township Employees on the new SBR unit. (This would be in lieu of us going to the Siemens' facility in the mid-west.)

ACT 537 PLANNING

1. Obtain Act 537 Plan approval for the Lockwood STP Abandonment Project.
2. Obtain Act 537 Plan approval for the Greenhill PS Redirection and the Reserve PS Abandonment Project.
3. Obtain Act 537 Plan approval for the Marydell PS Abandonment project.
4. Obtain construction permits, solicit bids and start construction of the Marydell PS Abandonment project.

**EAST GOSHEN MUNICIPAL AUTHORITY  
EAST GOSHEN TOWNSHIP  
1550 PAOLI PIKE, WEST CHESTER, PA 19380-6199**

March 9, 2011

To: Municipal Authority  
From: Mark Miller  
Ref. February Monthly Operations Report

**Meters:** The meters were read on a daily basis. No adjustments were needed. The portable meters were read on a biweekly basis and data was sent to Pennoni. We had to move the meter at Ridley in order to get precise data.

**C.C.Collection:** The pumping stations were visited on a daily basis and bar screens were cleaned. The Muffin Monster at the Ash Bridge pumping station needs to be pulled and repaired.

We were notified of three sewer lateral blockages during the month at two of the blockages, we found cleanout pipes pulled out of the tee's.

**Loch wood Plant:** I contacted the DEP regarding the drilling of two monitor wells. I explained that there is no way we can drill the wells until the ground dries out. The gentlemen that I spoke with was in agreement. I was told that the well drilling can wait until the ground can support the drilling rig without destroying the fields.

**Ridley Creek Plant** We averted a major sewage spill. The valve on the EQ Tank split. Fortunately it happened at 7:30 in the morning and was noticed by the operator. Within 15 minutes our crew was on site with three 4 inch pumps and was able to transfer the sludge to the two VCO tanks. PA Aqua was notified. Once they arrived we had them pull two loads out. The tank has been completely cleaned and a new valve has been installed.

**Alarms:** We responded to 18 alarms during the month of February.

**Pa. One Calls:** The Public Works Dept. responded to 45 PA One calls.







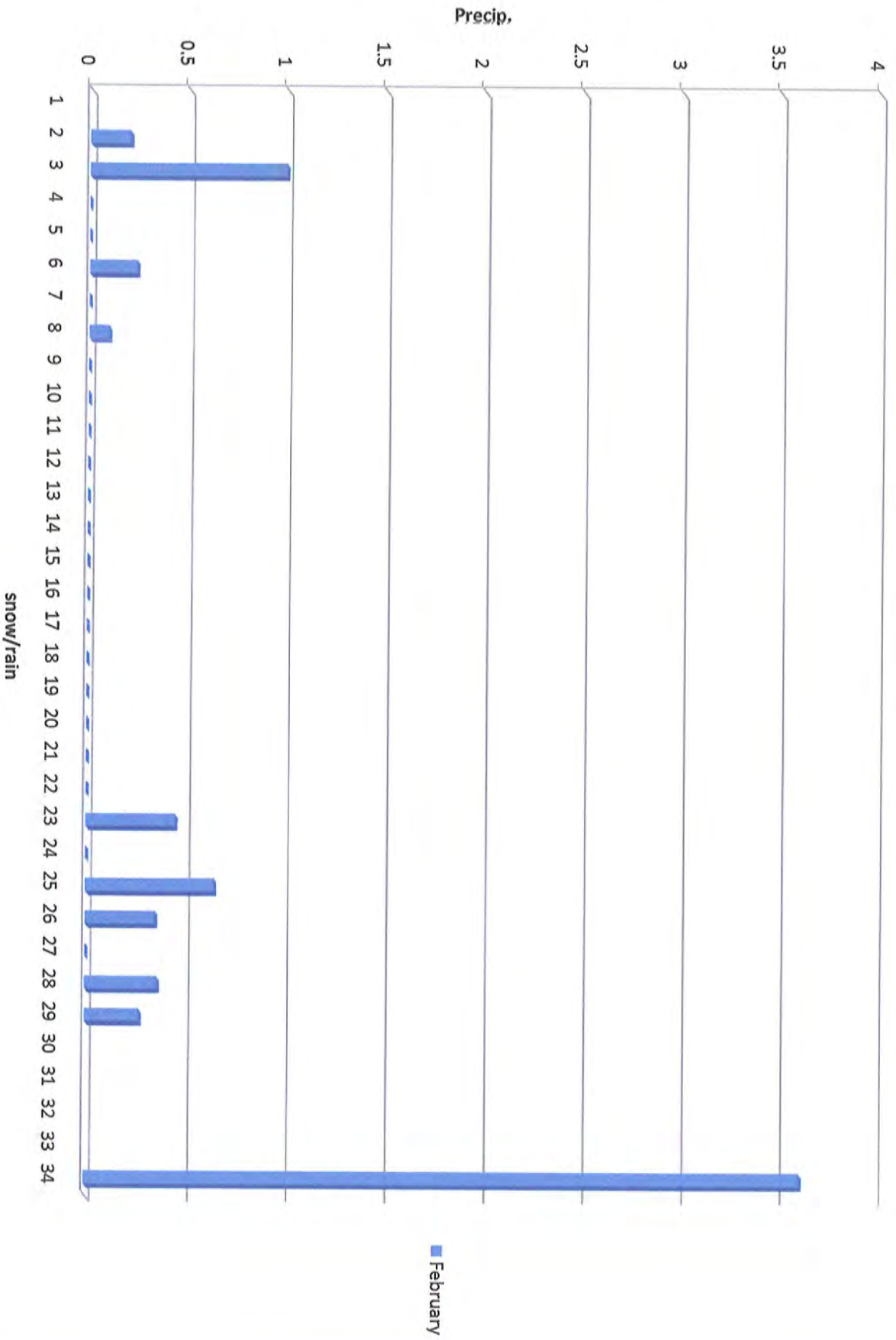
## 2011 SUMMARY OF METER READINGS

	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT MILL	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	SHERMAN	BARKWAY
JANUARY	1,081,404	97,651	47,105	57,700	20,400	53,493	62,585	278,133	701,586	5,463	11,131
FEBRUARY	1,292,596	149,342	63,312	71,587	20,400	58,624	77,370	309,956	793,370	5,474	11,651
MARCH											
APRIL											
MAY											
JUNE											
JULY											
AUGUST											
SEPTEMBER											
OCTOBER											
NOVEMBER											
DECEMBER											
<b>Total Flows</b>											
<b>Monthly Ave</b>	<b>1,187,000</b>	<b>123,497</b>	<b>55,209</b>	<b>64,644</b>	<b>20,400</b>	<b>56,059</b>	<b>69,978</b>	<b>294,045</b>	<b>747,478</b>	<b>5,469</b>	<b>11,391</b>

To  
West Goshen 943,652

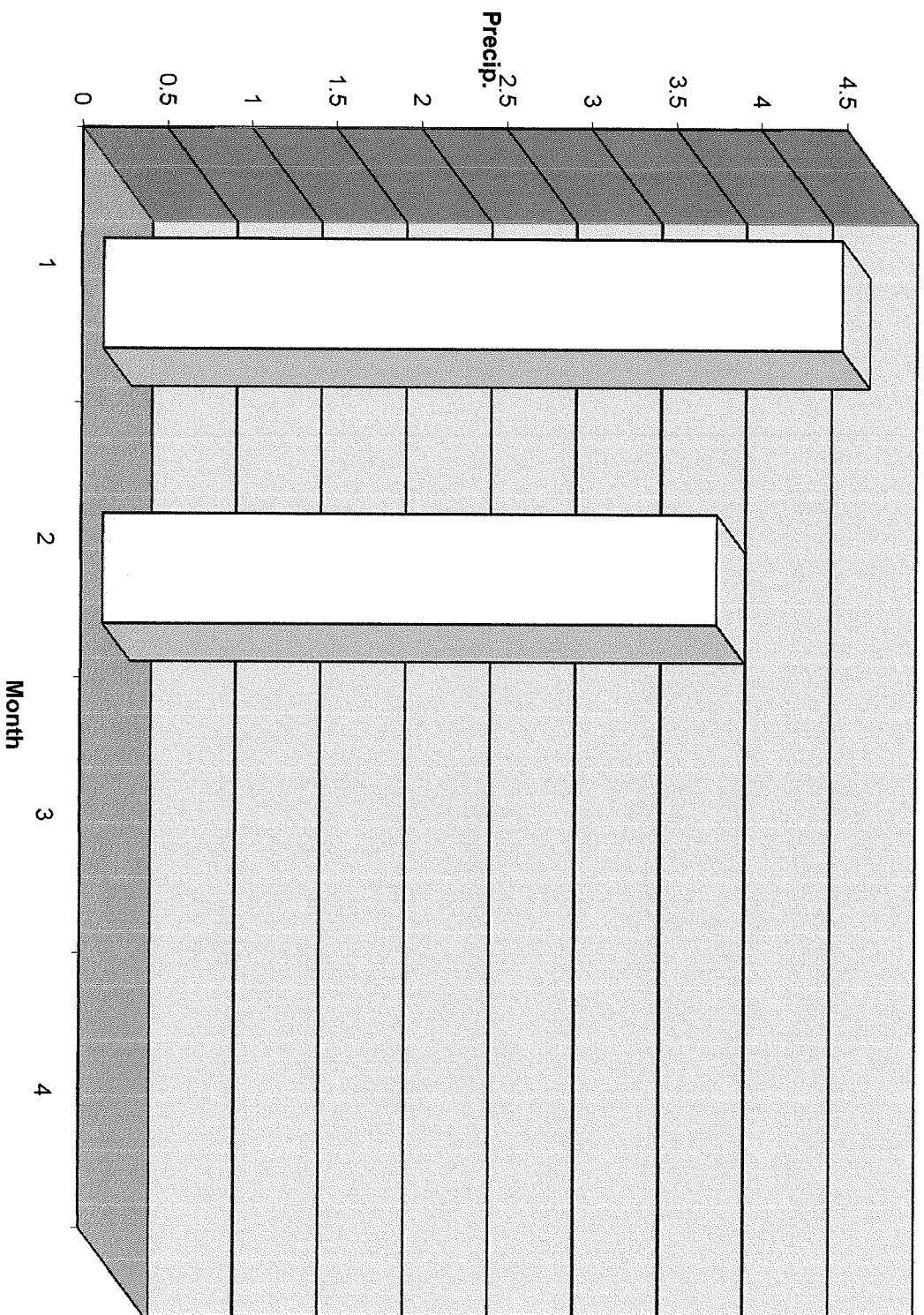


# February Precip. 3.62-2011



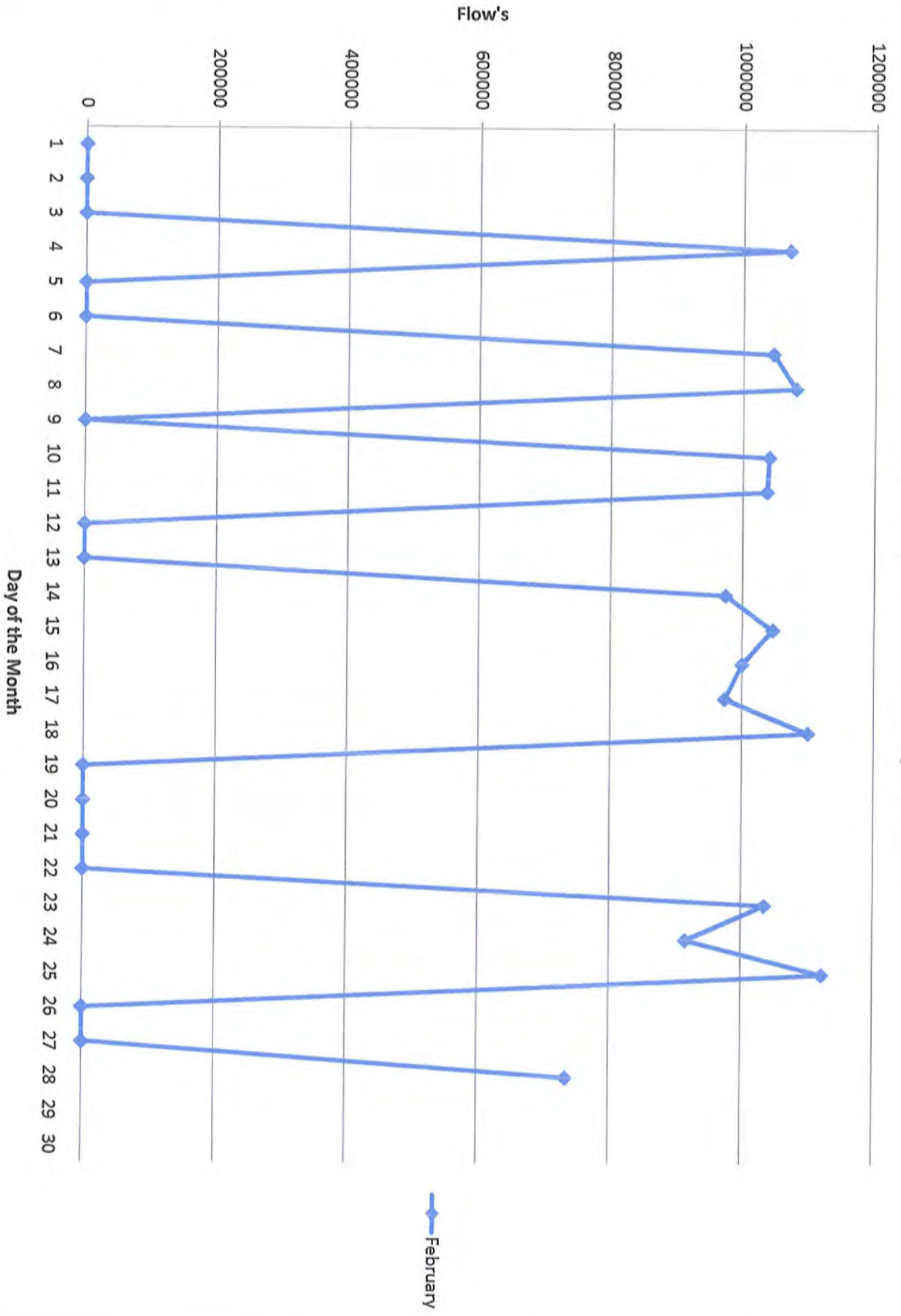


### Monthly Totals 2011 (Jan-Dec)



□ Monthly Totals

# Flowmeters February 2011







**MILLER ENVIRONMENTAL, INC.**

*The Water and Wastewater Authority®*

---

10 March 2011

East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380-6199

Attn: Mr. Rick Smith, Township Manager

Re: Monthly Operations Report- March 2011

Dear Mr. Smith:

For the month of February, we have the following operations activity to report:

Ridley.

- Fine screen is still in hand.
- # 2 Digester was jetted, but still not reading accurately.
- Modifications at the centrifuge would make polymer replacement more efficient.
- Generators still alarming on Wednesdays.
- ACS and Alfa Laval training was conducted.
- Alum Pumps still need to be fixed; the Nocardia control is on hold.

Lochwood.

- Wells were sampled and charts were developed for future events.
- A check valve needs to be installed.
- Spraying began in March.
- e-DMR registration completed; January was hard copy, Feb will be electronic.
- Several cracked rainbirds.
- Several initial odor complaints.

Thank you,  
MILLER ENVIRONMENTAL INC.

William Ronyack  
Operations Manager

(SENT VIA EMAIL)

CC: Mark Miller, Director of Public Works  
Scott Stump, MEI

## Rick Smith

---

**From:** Barbato, Daniel [DBarbato@Pennoni.com]  
**Sent:** Thursday, March 03, 2011 12:46 PM  
**To:** rsmith@eastgoshen.org; Sue Smith  
**Subject:** Change of Address

Rick,

My office address has changed. The new address is below:

Dan

**Daniel P. Barbato, P.E.**

Municipal Division Manager  
Water/Wastewater Lead Engineer

**Pennoni Associates Inc.**

*New Location & Phone*

Christiana Executive Campus  
121 Continental Drive, Suite 207  
Newark, DE 19713-4310

Office 302-655-4451 x5230 | Direct 302-351-5230

Fax 302-654-2895 | Mobile 302-379-8240

<http://www.pennoni.com> | [dbarbato@pennoni.com](mailto:dbarbato@pennoni.com)



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

February 11, 2011

Re: Land Development Plan  
Toll Brothers Development / Applebrooke Meadows  
Paoli Pike and Line Road  
Willistown Township

Dear Property Owner:

The purpose of this letter is to inform you that a Final Land Development Plan has been submitted to Willistown Township to construct Phase 1 of 3, for the Applebrook Meadows project. Phase I consists of 54 townhomes. The entire project proposes 139 townhomes on the 41.7-acre tract of land at the southeast corner of Paoli Pike and Line Road in Willistown Township. Pursuant to Township Policy, East Goshen Township notifies Township property owners within 1,000 feet of proposed development projects which abut the Township boundary.

The Williston Township Planning Commission holds their meetings at 7:30 PM on the 1<sup>st</sup> and 3<sup>rd</sup> Wednesday of each month. The Willistown Township Board of Supervisors holds their meetings at 7:30 P.M. on the 2<sup>nd</sup> And 4<sup>th</sup> Monday of the month.

All meetings are open to the public and they are held at the Willistown Township Office which is located at the Greentree Office Plaza, 40 Lloyd Ave., Suite 208, Malvern PA 19355, 610-647-5300.

Please give me a call at 610-692-7171 or e-mail me at [mgordon@eastgoshen.org](mailto:mgordon@eastgoshen.org) if you have any questions or need additional information.

Sincerely,



Mark Gordon  
Township Zoning Officer

Cc: Hugh Murray, Sr., Township Manager, Willistown twp.