

**EAST GOSHEN MUNICIPAL AUTHORITY**

**March 12, 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. February 20, 2012
4. APPROVAL OF INVOICES

a. Pennoni #497664	\$	5,930.50
b. Pennoni #497666	\$	1,731.75
c. Pennoni #497667	\$	275.00
d. Pennoni #497668	\$	435.00
e. Gawthrop Greenwood #96712	\$	1,825.68
5. LIAISON REPORTS
6. FINANCIAL REPORTS
  - a. February Report - Pending
7. OLD BUSINESS
  - a. Contract Execution
  - b. Letter to Clinger re: Invoice M11143
8. GOALS
  - a. February Goals
9. NEW BUSINESS
10. CAPACITY REQUESTS - none
11. SEWER REPORTS
  - a. Director of Public Works Report
  - b. Pennoni Report
  - c. Big Fish Environmental Inc Report with DMR's
  - d. East Goshen Township Flows for February 2012 1<sup>st</sup> Quarter
12. ANY OTHER MATTER
13. CORRESPONDENCE AND REPORTS OF INTEREST
14. PUBLIC COMMENT
15. ADJOURNMENT

Meetings & Dates of Importance

March 6, 2012

Board of Supervisors

7:00 PM

March 7, 2012	Pension Committee	1:00 PM
March 7, 2012	Planning Commission	7:00 PM
March 8, 2012	Farmers Market	3-5:00 PM
March 8, 2012	Historical Commission	7:00 PM
March 12, 2012	Municipal Authority	7:00 PM
March 14, 2012	CDC	7:00 PM
March 14, 2012	Conservancy Board	7:00 PM

Reminder – NEWSLETTER ARTICLE SUBMISSION DUE DATES:

<u>Article Due Date</u>	<u>Delivery date</u>
May 2, 2012	July 1, 2012

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
February 20, 2012**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, February 20, 2012 at 7:00pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Joe McCawley, Jack Yahraes, Fran Beck, and Kevin Cummings. Also in attendance were: Carmen Battavio (Township Supervisor), Dan Barbato (Pennoni), Bob Adams, (Solicitor), Rick Smith (Township Manager), Mark Miller (Director of Public Works), Jesse Goldberg (Miller Environmental), Rick Harp (Miller Environmental) Scott Towler, and Walter Wujcik (Conservancy Board).

**Call to Order & Pledge of Allegiance**

Dana Pizarro called the meeting to order at 7:02pm 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/Other Members' Reports**

None

**Approval of Minutes**

The Chairman noted that the minutes of the January 9, 2012 meeting were approved as corrected.

**Approval of Invoices**

Jack moved to approve payment of the following invoices:

- a. Pennoni #494474, \$ 220.00
- b. Pennoni #494475, \$4,315.00
- c. Pennoni #494477, \$ 682.50

Joe seconded the motion. There was no public comment. The motion passed unanimously.

Jack moved to approve payment of the following invoice:

- d. Earth Core #6229, \$2,600.00

Fran seconded the motion. There was no public comment. The motion passed unanimously.

Jack moved to approve payment of the following invoices

- e. Gawthrop Greenwood #95900, \$ 476.68
- e. Gawthrop Greenwood #96712, \$1,349.00

Fran seconded the motion. There was no public comment. The motion passed unanimously.

**Liaison Reports**

Walter Wujcik reported that the conservancy board planed to plant additional material at the re-forestation area at Line Road and Paoli Pike, and that Keep East Goshen Beautiful Day would be held on April 14.

## **Financial Reports**

Rick advised that they would be distributed next month.

## **Old Business**

The Clinger invoice was discussed, and it was suggested that Rick write a letter advising Clinger that the Authority would consider a new invoice that depicted the hours and wages for the electrician only.

## **Goals**

1. Newsletter - Jack will prepare the article for May
2. West Goshen - Jack will attend the March West Goshen meeting.
3. RCSTP Tour – It will take place in September

## **New Business**

- a. Miller Environmental – Jesse Goldberg and Rick Harp were present to discuss some operational issues at the RCSTP. Jesse noted that they needed to run the centrifuge as much as possible to reduce the solids level at the plant. The solids in the digesters are at 2% and the centrifuge is designed to operate with 1-1.5% solids. He commented that the polymer was stale and the new polymer had been ordered. In addition while the centrifuge was designed to run at 20 to 90 gallons per minute they could only operate it at 40-45 gallons per minute. He noted that operating the centrifuge places an additional load on the plant. Finally he expressed the need to address the *Narcodia* issue in SBR 2.

Kevin and Joe both expressed a concern that the plant was not meeting permit. Rick Harp commented that SBR 3 and 4 were producing good quality effluent, the problem was the *Narcodia* in SBR 2. He said this was a result of the high organic loading to SBR 2. It was suggested that Miller obtain influent loading for each SBR.

In response to a question about the NOV Jesse said he would draft a response to DEP. The response would be sent to Bob Adams and Dan Barbato for review. Mark was asked to contact DEP and ask for an extra week to respond.

## **Executive Session**

The Authority met in executive session from 8:15 to 8:50 to discuss a pending legal matter.

## **New Business (Continued)**

- b. Pennoni Proposal for Construction Services for the Lockwood Project. Fran moved to accept the proposal with the condition that the fee shall not exceed \$16,000 without prior approval of the Authority. Jack seconded the motion. There was no public comment. The motion passed unanimously
- c. Lockwood Bids – Dan reviewed the bid results (attached) with the Authority. Jack moved to accept the bid from SJM Construction Company, Inc in the amount of \$178,179.20. Fran seconded the motion. There was no public comment. The motion passed unanimously

**Capacity Requests**

None

**Sewer Reports**

- a. Director of Public Works Report
- b. Pennoni Report
- c. Miller Environmental
- d. Flow Report

Dan acknowledged receipt of the above reports.

**Any Other Matter**

None

**Correspondence and Reports of Interest**

None

**Public Comment**

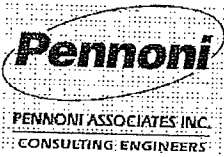
None

**Adjournment**

There being no further business, Joe moved to adjourn the meeting. Jack seconded the motion. The motion passed unanimously. The meeting was adjourned at 9:20 pm.

Respectfully submitted,

Louis F. Smith, Jr.  
Township Manager



# 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 #: 497664  
Invoice Date: 02/22/2012  
Project: EGMA1105  
Project Name: LCSTP Final Design & Permitting

For Services Rendered through: 02/12/2012

Final review and edits to plans and specs. Coordination with PennBID, posting of solicitation on PennBID, prebid meeting, preparation of addenda (3), and responses to RFIs.

Phase : 2 -- Sewer Stakeout and Easements

Total Phase : 2 -- Sewer Stakeout and Easements

Labor :	1,286.00
Expense :	0.00
Phase Total :	1,286.00

Phase : 7 -- Bid Assistance

Total Phase : 7 -- Bid Assistance

Labor :	4,644.50
Expense :	0.00
Phase Total :	4,644.50

**Amount Due This Invoice**

**\$5,930.50**

Fee :	77,800.00
Prior Billings :	51,752.38
Current Billings :	5,930.50
Total Billings :	57,682.88

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 : 2 -- Sewer Stakeout and Easements

Labor Class	Hours/Units	Rate	Amount
Project Engineer	10.50	93.00	976.50
Associate Engineer	2.75	83.00	228.25
Engineering Technician I	1.25	65.00	81.25
<b>Labor Total:</b>	<b>14.50</b>		<b>1,286.00</b>

Total Phase : 2 -- Sewer Stakeout and Easements

Labor : \$1,286.00  
Expense : \$0.00

Phase : 7 -- Bid Assistance

Labor Class	Hours/Units	Rate	Amount
Project Engineer	44.00	93.00	4,092.00
Engineering Technician I	8.50	65.00	552.50
<b>Labor Total:</b>	<b>52.50</b>		<b>4,644.50</b>

Total Phase : 7 -- Bid Assistance

Labor : \$4,644.50  
Expense : \$0.00

Total Project : EGMA1105 -- LCSTP Final Design & Permitting

Labor : \$5,930.50  
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  
EGMA1105 Invoice Summary  
Invoice Date 12-27-2011

**Project:** EGMA1105  
**Pennoni Job No.:** LCSTP Final Design & Permitting  
**Invoice No:** 497668  
**Invoice Period:** 1/16/2012 to 2/12/2012  
**Initial Authorization:** \$ 77,800.00 **Date:** 5/5/2011  
**Contract Amount:** \$ 77,800.00  
**Previously Invoiced:** \$ 51,752.38  
**Current Invoice:** \$ 5,930.50  
**Invoiced to Date (\$):** \$ 57,682.88  
**Invoiced to Date (%):** 74%  
**Remaining Budget (\$):** \$ 20,117.12  
**Remaining Budget (%):** 26%

**Budget by Phase:**

**Phase No.** \*\*\*\*  
LCSTP Final  
Design &  
Permitting  
**Phase Name:**  
**Phase Budget:** \$ 77,800.00  
**Previously Invoiced:** \$ 51,752.38  
**Current Invoice:** \$ 5,930.50  
**Invoiced to Date (\$):** \$ 57,682.88  
**Invoiced to Date (%):** 74%  
**Remaining Budget (\$):** \$ 20,117.12  
**Remaining Budget (%):** 26%

**Comments:** Final review and edits to plans and specs. Coordination with PennBID, posting of solicitation on PennBID, prebid meeting, preparation of addenda (3), and responses to RFIs.





# 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 #: 497666  
Invoice Date: 02/22/2012  
Project: EGMA1109  
Project Name: Marydell Pump Station Diversion

For Services Rendered through: 02/12/2012

Continued plan preparation and incorporation of Township comments. PA One-Call and utility research.

Phase : 1 -- Design

Total Phase : 1 -- Design

Labor :	1,731.75
Expense :	0.00
Phase Total :	1,731.75

Amount Due This Invoice

\$1,731.75

Fee :	45,100.00
Prior Billings :	2,342.50
Current Billings :	1,731.75
Total Billings :	4,074.25

Phase : 1 -- Design

Labor Class	Hours/Units	Rate	Amount
Project Engineer	2.50	93.00	232.50
Project Engineer	0.75	90.00	67.50
Associate Engineer	17.25	83.00	1,431.75
<b>Labor Total:</b>	<b>20.50</b>		<b>1,731.75</b>

Total Phase : 1 -- Design

Labor :	\$1,731.75
Expense :	\$0.00

Total Project : EGMA1109 -- Marydell Pump Station Diversion

Labor :	\$1,731.75
Expense :	\$0.00

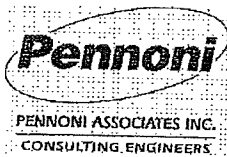
East Goshen Municipal Authority  
EGMA1109 Invoice Summary  
Invoice Date 12-27-2011

**Project:** EGMA1109  
**Pennoni Job No.:** Marydell Pump Station Diversion  
**Invoice No:** 497666  
**Invoice Period:** 12/12/2011 to 2/12/2012  
**Initial Authorization:** \$ 45,100.00 **Date:** 2/22/2012  
**Contract Amount:** \$ 45,100.00  
**Previously Invoiced:** \$ 2,342.50  
**Current Invoice:** \$ 1,731.75  
**Invoiced to Date (\$):** \$ 4,074.25  
**Invoiced to Date (%):** 9%  
**Remaining Budget (\$):** \$ 41,025.75  
**Remaining Budget (%):** 91%

**Budget by Phase:**

**Phase No.** \*\*\*\*  
**Phase Name:** Marydell Pump  
Station Diversion  
**Phase Budget:** \$ 45,100.00  
**Previously Invoiced:** \$ 2,342.50  
**Current Invoice:** \$ 1,731.75  
**Invoiced to Date (\$):** \$ 4,074.25  
**Invoiced to Date (%):** 9%  
**Remaining Budget (\$):** \$ 41,025.75  
**Remaining Budget (%):** 91%

**Comments:** Continued plan preparation and incorporation of Township comments.  
PA One-Call and utility 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 #: 497667  
Invoice Date: 02/22/2012  
Project: EGMA1201  
Project Name: 2012 General Services

For Services Rendered through: 02/12/2012

January Municipal Authority meeting.

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

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

Labor :	275.00
Expense :	0.00
Phase Total :	275.00

**Amount Due This Invoice**

\$275.00

Fee :	10,000.00
Prior Billings :	0.00
Current Billings :	275.00
Total Billings :	275.00

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

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	2.50	110.00	275.00
<b>Labor Total:</b>	<b>2.50</b>		<b>275.00</b>

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

Labor :	\$275.00
Expense :	\$0.00

Total Project : EGMA1201 -- 2012 General Services

Labor :	\$275.00
Expense :	\$0.00

East Goshen Municipal Authority  
EGMA1201 Invoice Summary  
Invoice Date 12-27-2011

**Project:** EGMA1201  
**Pennoni Job No.:** 2012 General Services  
**Invoice No.:** 497667  
**Invoice Period:** n/a to 2/12/2012  
**Initial Authorization:** \$ 10,000.00 **Date:** 2/22/2012  
**Contract Amount:** \$ 10,000.00  
**Previously Invoiced:** \$ -  
**Current Invoice:** \$ 275.00  
**Invoiced to Date (\$):** \$ 275.00  
**Invoiced to Date (%):** 3%  
**Remaining Budget (\$):** \$ 9,725.00  
**Remaining Budget (%):** 97%

**Budget by Phase:**

**Phase No.** \*\*\*\*  
**Phase Name:** 2012 General Services  
**Phase Budget:** \$ 10,000.00  
**Previously Invoiced:** \$ -  
**Current Invoice:** \$ 275.00  
**Invoiced to Date (\$):** \$ 275.00  
**Invoiced to Date (%):** 3%  
**Remaining Budget (\$):** \$ 9,725.00  
**Remaining Budget (%):** 97%

**Comments:** January Municipal Authority 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 Township  
1580 Paoli Pike  
West Chester, PA 19380-6199  
Attention: Louis F. Smith, Twp Mgr.

Invoice # : 497668  
Invoice Date : 02/22/2012  
Project : EGOS1201  
Project Name : Operations Support

For Services Rendered through: 02/12/2012

Review memo on filamentous bacteria growth. Meeting at RCSTP to examine solids at outfall.

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

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

Labor :	435.00
Expense :	0.00
Phase Total :	435.00

Amount Due This Invoice

435.00

Fee :	5,000.00
Prior Billings :	0.00
Current Billings :	435.00
Total Billings :	435.00

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

Labor Class	Hours/Units	Rate	Amount
Authority Engineer	3.00	110.00	330.00
Senior Engineer	1.00	105.00	105.00
<b>Labor Total:</b>	<b>4.00</b>		<b>435.00</b>

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

Labor : \$435.00

Expense : \$0.00

Total Project : EGOS1201 -- Operations Support

Labor : \$435.00

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

Client No: 6604-01M  
Invoice No. 96712

General Authority Services

Fees

		Hours	
01/09/2012	RFA		
	Review packet for meeting of Municipal Authority of 1/9/12.	0.50	
01/25/2012	SRM		
	Review contract for Lockwood; memo regarding changes to contract.	3.00	
01/26/2012	RFA		
	Review messages from Rick Smith regarding release of bid documents; review Steve McDonnell memos regarding Lockwood contract revisions; Message to Rick Smith regarding suggested revisions; review message from Smith regarding incorporation of revisions in Lockwood contract; Message to Rick Smith and Michael Ellis regarding document revisions.	1.80	
01/30/2012	RFA		
	Review revised agreement incorporating recommended changes in language; Message to Michael Ellis commenting on revised contract language for Lockwood project.	0.80	
	SRM		
	Review of edits.	1.00	
	For Current Services Rendered	7.10	1,349.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	3.10	\$190.00	\$589.00
Stephen R. McDonnell	4.00	190.00	760.00

Previous Balance	\$476.68
Total Current Charges	1,349.00
Balance Due	<u>\$1,825.68</u>

East Goshen Municipal Authority

General Authority Services

Page: 2  
01/31/2012

Client No: 6604-01M  
Invoice No. 96712

---

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.

Lockwood Chase Sanitary Sewer Diversion  
Contract No. SS-2012-1

(TO BE COMPLETED AFTER AWARD)

H. FORM OF AGREEMENT

THIS AGREEMENT made the \_\_\_\_\_ day of \_\_\_\_\_ in the year Two Thousand and \_\_\_\_, by and between SJM Construction Company, Inc., hereinafter called the Contractor, and East Goshen Municipal Authority, hereinafter called the Owner,

WITNESSETH, that the Contractor and the Owner for the considerations named, agreed as follows:

ARTICLE I - Scope of Work: The Contractor shall furnish all of the materials and perform all of the work shown on the drawings and described in the Specifications entitled:

*Lockwood Chase Sanitary Sewer Diversion  
CONTRACT No. SS-2012-1*

prepared by Pennoni Associates Inc., Consulting Engineers, Christiana Executive Campus, 121 Continental Drive, Suite 207, Newark, DE 19713, acting as and in these Contract Documents, entitled the Engineer, and shall do everything required by the Agreement and the Contract Documents.

ARTICLE II - The Contract Documents Consist of the Following:

- A. Advertisement
- B. Instruction to Bidders
- C. Form of Bid
- D. Form of Guaranty
- E. General Conditions
- F. Special Conditions
- G. Construction Specifications
- H. Form of Agreement  
Contractor's Release  
Statement of Surety Company
- I. Contract Bonds  
Performance Bond  
Labor and Materialmen's Bond  
Maintenance Bond
- J. List of Contract Drawings

Appendix A: NPDES Permit

Appendix B: Private Property Sanitary Sewer Easements

This Agreement form, together with these documents and drawings form the Contract and they are as fully a part of the Contract as if hereto attached or herein represented.



Lockwood Chase Sanitary Sewer Diversion  
Contract No. SS-2012-1

ARTICLE III - Time of Completion:

The work to be performed under this Contract shall be commenced on a date to be specified in a written order by the Owner or Engineer and shall be fully completed within 120 consecutive calendar days of the issuance of the notice to proceed.

ARTICLE IV - The Contract Sum:

The Owner shall pay the Contractor for the performance of the Contract, subject to additions and deductions provided therein, in current funds, the unit and/or lump sum prices, bid by Contractor, as indicated on attached certified TABULATION OF BIDS.

ARTICLE V - Failure to Complete Work on Time:

For each day so certified, the Contractor shall credit the Owner the sum of one hundred dollars (\$100.00) for each and every calendar day that the Contractor is in default in completing the work within the time specified. This sum is agreed upon as liquidated damages which the Owner shall suffer by reason of such default.

ARTICLE VI - Payment to Contractor

The Owner shall make payments on account to the Contractor as provided herein under the GENERAL AND/OR SPECIAL CONDITIONS.

ARTICLE VII - Acceptance and Final Payment as Release:

The acceptance by the CONTRACTOR of final payment shall be and shall operate as a release to the OWNER of all claims and all liability to the CONTRACTOR other than claims in stated amounts as may be specially excepted by the CONTRACTOR for all things done or furnished in connection with this WORK and for every act and neglect of the OWNER and others relating to or arising out of this WORK. Any payment, however, final or otherwise, shall not release the CONTRACTOR or his sureties from any obligations under the CONTRACT DOCUMENTS or the Performance BONDS, Payment BONDS, and Maintenance BONDS.

Final payment to the Contractor shall be made subject to his furnishing the Owner properly executed "CONTRACTOR'S RELEASE" and "STATEMENT OF SURETY" forms included in this Section.

If, after the work has been substantially completed, full completion is materially delayed through no fault of the Contractor, and the Engineer, so certifies, the Owner shall, upon certificate of the Engineers, and without terminating the Contract, make payment for the balance due for that portion of the work fully completed and accepted. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in triplicate each of which shall be deemed an original on the date first above written.

Lockwood Chase Sanitary Sewer Diversion  
Contract No. SS-2012-1

OWNER:

East Goshen Municipal Authority

BY \_\_\_\_\_

NAME \_\_\_\_\_  
(Please Type or Print)

TITLE \_\_\_\_\_

(SEAL)

ATTEST:

\_\_\_\_\_

NAME \_\_\_\_\_  
(Please Type or Print)

TITLE \_\_\_\_\_

CONTRACTOR:

SJM Construction Company, Inc.

BY 

NAME Stephen J. McGlynn  
(Please Type or Print)

TITLE President

ADDRESS PO Box 373, Spring House, Pa. 19477

\_\_\_\_\_

(SEAL)

ATTEST:



NAME Dorothy C. McGlynn  
(Please Type or Print)

\_\_\_\_\_

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

**FILE**

February 22, 2012

Mr. Robert Dina  
Wm. H. Clinger Corporation  
P.O. Box 158  
Concordville, PA 19331

Re: Ridley Creek Sewage Treatment Plant  
Invoice M 11143

Dear Bob:

The Municipal Authority discussed the above referenced invoice at their meeting on February 20, 2012. They did not believe it would be appropriate to pay to have two people respond to what was essentially a service call to determine if a repair was a warranty item.

In their experience the mechanic or electrician would respond, make an assessment of the situation and communicate the required information to his office. Based on the information the electrician would then advise us if the repair was covered under warranty or not.

They did note that they would consider payment of an invoice that reflected the labor cost for the electrician only. Accordingly if you can send a corrected invoice in the amount of \$614.04 they would consider it at their meeting on March 12, 2012.

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

Sincerely,



Louis F. Smith, Jr.  
Township Manager



Over a half-century of excellence

50 Baltimore Pike  
P.O. Box 158  
Concordville, PA 19331

Phone: (610) 459-1234  
Fax: (610) 459-8823  
Website: clingerelectric.com

Invoice

OK RS  
1-6-12

EAST GOSHEN MUNICIPAL AUTHORITY  
ATTN: ACCTS. PAYABLE  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380-6199

Invoice #: M11143  
Invoice Date: 12/23/11  
Due Date: 01/22/12  
PO #: VERBAL  
Customer ID: 204  
Contact: RICK SMITH  
Contact: MARK MILLER

Job: CEG800

RCSTP

CONSTRUCTION

Work Performed: Electrical - Miscellaneous

NON WARRANTY  
work

Description: Labor Thru Week Ending 12-25-11 Price Total

Work Order#:	Amount
PLEASE SEE ATTACHED	
WO#: 08690,08725	\$ 1,484.04
<i>[Signature]</i>	
Subtotal	\$ 1,484.04

2/20  
PAY For  
Electrical only  
Send letter to  
Bob Ann

Previously Paid \$0.00  
NET PAYMENT CURRENT DUE \$1,484.04

Please make checks payable to: Wm. H. Clinger Corp.





**WILLIAM H. CLINGER, CORP.**

P. O. Box 158  
736 Baltimore Pike  
Concordville, Pa. 19331  
phone (610) 459-1234  
fax (610) 459-8823

**WORK ORDER #08725**

SHEET 1 OF 1

FOR JOB CEG-800

TO: East Goshen Municipal Authority  
East Goshen Township  
1580 Paoli Pike  
West Chester, Pa. 19380-6199  
  
Attn: Mr. Rick Smith & Mr. Mark Miller  
  
  
**TERMS:** Net 30 Days

DATE RECEIVED BY OFFICE	
INVOICE #	
INVOICE DATE	
FOREMAN	Ed Kikut
CUSTOMER'S ORDER #	
T & M	X
CHANGE ORDER	
JOB NAME / NUMBER	CEG-800
JOB LOCATION	Plant
PERCENT COMPLETE	100.00%
WEEK ENDING*	12/25/11

\* Week begins on Monday and ends on Sunday.

QTY.	MATERIAL	PRICE	AMOUNT	DESCRIPTION OF WORK				
0.00				Troubleshoot ME-45 Floc Tank Mixer - Control Circuit Fault. Isolated cause				
-0.00				to 120V coming from FFCP. Reset the VFD and isolated the start circuit in the				
0.00				VFD. VFD was running in the HAND mode at 100%.				
0.00				Control company needs to fix this fault.				
OTHER CHARGES								
Subtotal			0.00					
10% Markup			0.00					
TOTAL OTHER							0.00	
	<b>LABOR</b>	<b>DATE</b>	<b>ST</b>	<b>OT</b>	<b>DT</b>	<b>HRS.</b>	<b>RATE</b>	<b>AMOUNT</b>
	Ed Kikut	12/21/11	ST			4.00	102.34	409.36
	Robert F. Dina, Sr.	12/21/11	ST			4.00	145.00	580.00
TOTAL HOURS AND LABOR								989.36
DATE COMPLETED:			TOTAL MATERIALS	0.00	TOTAL MATERIALS			0.00
			TOTAL OTHER			0.00		
			TAX					
			TOTAL OTHER			989.36		

Work Ordered by: Scott Towler  
  
Signature: \_\_\_\_\_



**2012**  
**EAST GOSHEN MUNICIPAL AUTHORITY GOALS**  
**MARCH REPORT**

ON-GOING

1. Submit an article for each newsletter.
  - a. Need by 2/8/12 - Kevin
  - b. Need by 5/9/12 -Jack
  - c. Need by 8/8/12
  - d. Need by 11/14/12
  - e. February 2013
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)
  - c. 3<sup>rd</sup> Quarter (September)
  - d. 4<sup>th</sup> Quarter (December) - Kevin
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 – Have tour in September

PROJECTS

1. Lockwood
  - a. Bid – Bid awarded 2/20
  - b. Pipe Installation
  - c. Abandon Plant
2. Marydell Pump Station
  - a. Design/Permit
  - b. Bid
  - c. Pipe Installation
  - d. Abandon Pump Station
3. Hershey Mill Pump station
  - a. Design/Permit
  - b. Bid
  - c. Pipe Installation
4. Reserve Pump station
  - a. Design/Permit
  - b. Bid
  - c. Pipe Installation
  - d. Abandon Pump Station

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

March 9, 2012

To: Municipal Authority  
From: Mark Miller  
Re: February Monthly Report

We have been assisting Scott Towler on an as-needed basis. We worked with the representative from Alfa Laval on getting the Centrifuge back in service. A bearing went out on the unit which required us to pull the center of the unit apart.

We are in the process of gathering data on the PECO service coming into the plant. I will have a report on the findings next month.

Sue and I have been gathering data for the Chapter 94.

Since the last meeting we had 12 alarms and 16 dig notifications.





**MEMORANDUM**

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

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

**DATE:** March 7, 2012

**SUBJECT:** Engineer's Report

---

**Invoices**

- Invoices with summaries are provided under separate cover.

**Ridley Creek Sewage Treatment Plant (RCSTP)**

- We reviewed correspondence from DEP including the NPPDES permit and the NOV response letter to DEP, and provided edits. Matt McAloon performed a thorough inspection of the plant over several days and provided a summary of the existing conditions. The report is provided under separate cover. Design Engineer Tim Daily is scheduled to meet Scott Towler at the plant to review current operations and clarify the intent of the design. Dan Barbato is in frequent contact with Scott Towler for coordination. The new NPDES permit went into effect on March 1.

**I/I Metering Project**

- No change since the last report. The Township continues to meter flows at selected locations. Temporary meters are in operation at locations as recommended. Upon receipt of tributary connection data from the Township, Pennoni will review permanent meter data (particularly in the Chester Creek Service Area), make recommendations for 2012 temporary metering, and identify potential I&I problem areas.

**Ridley Creek Consent Order**

- The final report is in progress and will be submitted to DEP before the end of the month. Reports after this date will continue to be prepared semi-annually but will be for internal Authority use only.

**LCSTP Elimination**

- Bids were received on February 15, 2012. SJM Construction Company, Inc. of Spring House, PA was awarded the contract with a total bid (conditionally including the Add Item) of \$178,179.20.

## EGMA 1200

- SJM contract paperwork was received in our office on March 7.
- The current schedule is:

Receipt of Contractor Bonding and Insurance (10 days) = 3/7/12

Contract Execution = 3/12/12

Notice to Proceed = 3/13/12

Construction (120 days) = approx 3/13/12 – 7/10/12

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

- Based upon the comments and responses from the Township on our proposed construction methodologies and sewer re-alignments, we are in the process of assembling plan sets and permitting applications. A separate plan set will be prepared for each diversion. The current intent is to bid the Reserve PS and Marydell PS diversions in one solicitation since they are nearly identical construction scopes: open cut sewer construction with one jack & bore location each. The HMPS diversion will be a separate solicitation since it will be a different construction methodology, directional drilling.

### **Marydell PS Elimination Planning**

- We have performed a PA One Call and have coordinated field markout and acquisition of utility plans with the various utility companies. We have also received subsurface drilling data for the adjacent groundwater monitoring wells, and rock appears to be much deeper than the proposed work, so all excavation is planned to be unclassified. Based upon the utility and subsurface information, we are finalizing plans and preparing permitting applications.

### **Applebrook Spray Irrigation NPDES Permit Renewal**

- The NPDES discharge permit was issued by DEP on February 21.

### **Annual Chapter 94 Reports**

- The annual updates to the Chapter 94 report are in progress. Reports are due by the end of this month. Similar to last year, we will meet with the Township to review developments and changes over the past year.

# **BIG FISH ENVIRONMENTAL SERVICES, INC.**

## **Ridley Creek Sewage Treatment Plant Operations Report**

**Plant Operations Report for the period February 22, 2012 through March 8, 2012**

### **Executive Summary**

#### *SBR Operations and Solids Dewatering/Disposal*

Sequencing batch reactors (SBRs) numbered 2, 3 and 4 were evaluated using chemical and physical test methods. Sample collection and testing for each SBR to determine the mixed liquor suspended solids (MLSS) concentrations, pH, total alkalinity, COD, settleability, ammonia as nitrogen, nitrite as nitrogen, nitrate as nitrogen, sludge volume index (SVI), F:M ratio, depth of clear water as measured from the water surface during settle, idle and static fill phases.

Data gathered was used to implement adjustments to the treatment processes to reduce solids carryover from the SBRs into the post flow equalization tanks and outfall. These adjustments included reducing the velocity of the flow rate from the SBRs during the decant phase, adjusting low water levels (LWL), reducing sludge wasting rates, manual decants to remove "clean" water and dissolved oxygen set points. During the two week period, approximately 2 pallets of soda ash was added to the SBRs and aerated sludge holding tanks to increase the pH and total alkalinity concentrations within a pH range of greater than 7.1 standard units and total alkalinity of greater than 200 mg/L as CaCO<sub>3</sub>.

Daily sample collection for the influent, final effluent pre-disc filter and final effluent outfall was conducted to monitor the outfall discharge for compliance with the NPDES permit. It is anticipated total suspended solids (TSS) and fecal coliform concentrations may exceed the discharge permit limitations during the month of February. Present final effluent water quality indicates compliance with the new NPDES permit limitations that became effective March 1, 2012 should be achieved. The aluminum sulfate chemical feed system is off line and is planned to be placed in service on an as needed basis to enhance total phosphorus removal.

Solids processing was delayed as a result of excessive temperature for the rear bearing. The bearing was replaced on March 2<sup>nd</sup> and the centrifuge was placed in service during the afternoon and evening. Two (2) dumpsters of dewatered solids were removed from the facility on March 5<sup>th</sup>, a third dumpster removed on March 7<sup>th</sup> and two (2) dumpsters scheduled for March 9<sup>th</sup>. Approximately 25,000 to 30,000 gallons of liquid sludge at 1.7% total solids fills one dumpster. The centrifuge is operating at a maximum sludge feed rate of 30 gpm operating on a machine load of 43%.

The corrective action plan was implemented with a few adjustments to reflect the current condition of the facility upon commencing operation. The foam concentration remains excessive on SBR number and efforts to reduce and remove the foam are ongoing. Foam concentrations on SBRs 3 and 4 are significant, however, sludge settleability has improved resulting in "clear water" decants. Continued operation monitoring and adjustments are planned during march to restore the SBRs to the original intended design performance.

**RCSTP Final Effluent**

Sample date	Ammonia as N, mg/L	CBOD <sub>5</sub> , mg/L	TSS, mg/L	Total Phosphorus, mg/L	Fecal Coliform
5-Jan	0.24	4	12	0.98	10
12-Jan	0.2	3	4	0.14	300
19-Jan	0.2	3	4	0.13	10
26-Jan	0.22	2	4	0.33	280
2-Feb	0.2	4	5	0.21	10
9-Feb	0.2	3	4	0.59	10
16-Feb	0.29	3	4	0.3	10
23-Feb	0.61	3	4	0.79	10
2-Mar	1.89	3	4	1.9	20
9-Mar	0.57	3	4	0.62	10
16-Mar	0.2	3	4	0.52	10
23-Mar	0.2	3	4	1.52	10
6-Apr	0.73	3	4	2.66	10
13-Apr	0.2	7	6	7.26	10
20-Apr	1.55	3	4	1.47	10
27-Apr	9.61	23	10	10.5	330
4-May	9.64	7	4	2.31	10
11-May	27.5	12	10	7.03	10
18-May	8.87	3	5	4.84	10
25-May	15.8	8	4	0.58	10
1-Jun	5.28	3	4	1.21	10
8-Jun	0.2	7	4	1.17	10
15-Jun	0.48	3	4	3.98	10
22-Jun	0.33	3	4	3.92	10
6-Jul	0.56	3	4	3.88	10
13-Jul	1.91	3	4	0.83	10
20-Jul	9.18	3	4	2.61	10
27-Jul	0.2	3	4	11.1	10
3-Aug	0.2	3	4	3.53	10
10-Aug	0.2	3	4	0.19	10
17-Aug	0.2	3	4	0.13	10
24-Aug	5.26	6	4	1.84	30
31-Aug	0.2	3	4	1.78	10
7-Sep	1.93	3	4	0.06	10
14-Sep	0.2	3	4	0.12	10
21-Sep	11	3	4	0.07	10
28-Sep	11.1	3	4	0.09	10
5-Oct	9.41	3	4	0.49	10
12-Oct	1.57	3	4	0.28	30
19-Oct	0.91	3	4	0.11	10
26-Oct	0.59	3	9	0.59	160
2-Nov	5.1	4	9	0.44	10

9-Nov		12.6		3		4		0.12		10
16-Nov		15.7		5		10.8		0.3		10
23-Nov		14.2		3		6		0.16		390
30-Nov		6.57		4		5		0.19		20000
7-Dec		15.1		3		6		0.15		10
14-Dec		16.1		6		4		0.16		10
21-Dec		21.8		5		5		0.13		10
28-Dec		6.82		12		52.7		0.52		1900
4-Jan		2.46		7	<	4		0.1	<	10
11-Jan	<	0.2	<	3	<	4		0.13	<	10
18-Jan	<	0.2	<	3		6		0.28	>	10
25-Jan		0.21		5		15.6		0.86	>	2000
1-Feb	<	0.2	<	3	<	4		0.5	<	10
8-Feb		0.35		11		71		2.57	<	10
15-Feb		2.81		3		22.2		1.86	<	10
22-Feb		2.58		15.4		84		2.7		0

Annual Average

5.03

4

6

1.67

19



1.0000
1.0000
2.5911
4.3010
1.0000
1.0000
1.0000
3.2788
1.0000
1.0000
1.0000
3.3010
1.0000
1.0000
1.0000
0.0000

136	140	41.2	5.73
124	215	47.4	6.16
299	423	37.8	8.58
329	1360	82.6	23.8
134	278	41.6	5.5
170	158	39.3	4.72
152	100	47.1	5.16
617	580	47.3	9.89
257	221	51.7	6.71
246	216	42	6.17
94	850	75.1	23
151	96	30.2	3.25
222	160	46.5	5.61
275	310	48.2	8.06
334	947	70.8	11.1
183	1240	186	59.6

21.6

1.2759

277

423

59.9

10.65

Oil & Grease, mg/L	Total Alkalinity, mg/L	BOD <sub>5</sub> /CBOD <sub>5</sub> Removal	TSS Removal	Total Phosphorus removal
		99.6%	99.7%	98.5%
		97.8%	97.4%	97.7%
		97.8%	98.2%	97.8%
		99.3%	98.3%	94.2%
		98.3%	98.8%	96.7%
		98.0%	97.0%	87.4%
		97.0%	98.5%	96.0%
		98.8%	99.1%	86.2%
		96.1%	97.5%	64.4%
		98.1%	98.2%	88.8%
		97.0%	98.4%	93.8%
		98.7%	97.7%	74.2%
		98.0%	91.5%	
		93.8%	98.0%	
		99.0%	98.6%	
		95.4%	97.8%	
		94.0%	98.4%	60.7%
		94.9%	94.5%	0.0%
		96.5%	98.6%	71.4%
		93.2%	97.9%	91.0%
		96.3%	99.1%	91.4%
		95.0%	99.1%	90.6%
		98.4%	98.9%	62.8%
		99.1%	98.4%	76.2%
		97.7%	98.8%	56.6%
		99.3%	99.1%	94.8%
		99.9%	99.8%	92.0%
		98.3%	98.8%	0.0%
		99.6%	99.8%	92.1%
		98.6%	99.3%	98.3%
		99.7%	99.6%	99.3%
		93.6%	98.5%	70.2%
		98.0%	98.8%	72.3%
		97.7%	97.0%	99.0%
		97.1%	93.3%	96.5%
		96.6%	92.9%	98.4%
		97.9%	97.1%	98.2%
		97.2%	96.8%	92.7%
		98.6%	96.8%	95.8%
		98.5%	98.0%	98.5%
		98.7%	95.1%	92.4%
		98.7%	97.7%	95.0%



97.8%	97.1%	97.9%
96.0%	95.0%	95.1%
99.0%	98.6%	98.1%
98.8%	99.6%	99.2%
97.8%	97.8%	97.3%
96.5%	97.5%	96.6%
96.7%	95.0%	97.5%

| 311  
220  
258  
242

44.5

97.5%	97.7%	85.4%
-------	-------	-------

2008 FLOWMETERS

2012 FEBRUARY 1ST QUARTER- METERS FROM WEST GOSHEN - CC COLLECTION

Precip Inches	DATE	WESTTOWN WAY		ELLIS LANE		PAOLI PIKE		WILSON DRIVE		SUMMIT		NET FLOWS
		READING	GPD	READING	GPD	READING	GPD	READING	GPD	READING	GPD	
0.00	02/01/12	2,416,731	1,232,000	22,793,406	149,890	11,661,721	57,310	13,200,678	73,530	20,400		951,270
0.00	02/02/12	2,417,946	1,215,000	22,807,997	145,910	11,666,441	47,200	13,207,380	67,020	20,400		954,870
0.00	02/03/12	2,419,152	1,206,000	22,822,558	145,610	11,671,600	51,590	13,214,935	75,550	20,400		933,250
0.00	02/04/12									20,400		0
0.00	02/05/12									20,400		0
0.00	02/06/12	2,422,743	1,197,000	22,866,156	145,327	11,691,622	66,740	13,229,441	48,353	20,400		936,580
0.00	02/07/12	2,423,940	1,197,000	22,880,508	143,520	11,698,489	68,670	13,236,247	68,060	20,400		916,750
0.18	02/08/12	2,425,146	1,206,000	22,895,106	145,980	11,704,799	63,100	13,242,654	64,070	20,400		932,850
0.00	02/09/12	2,426,300	1,154,000	22,908,942	138,360	11,711,234	64,350	13,249,753	70,990	20,400		880,300
0.05	02/10/12	2,427,696	1,396,000	22,925,099	161,570	11,718,839	76,050	13,256,548	87,950	20,400		1,070,430
0.30	02/11/12									20,400		0
0.00	02/12/12									20,400		0
0.00	02/13/12	2,431,022	1,108,667	22,966,607	138,360	11,735,259	54,733	13,274,239	52,303	20,400		863,270
0.15	02/14/12	2,432,211	1,189,000	22,980,672	140,650	11,741,490	62,310	13,281,019	67,800	20,400		918,240
0.00	02/15/12	2,433,554	1,343,000	22,996,958	162,860	11,748,810	73,200	13,288,548	75,290	20,400		1,031,650
0.17	02/16/12	2,434,503	949,000	23,008,560	116,020	11,754,659	58,490	13,294,130	55,820	20,400		718,670
0.00	02/17/12	2,435,659	1,156,000	23,022,453	138,930	11,761,189	65,300	13,300,523	63,930	20,400		887,840
0.00	02/18/12									20,400		0
0.00	02/19/12									20,400		0
0.00	02/20/12									20,400		0
0.00	02/21/12	2,440,180	1,130,260	23,077,623	137,925	11,787,398	65,523	13,319,360	47,093	20,400		879,710
0.00	02/22/12	2,441,246	1,066,000	23,090,971	133,480	11,793,687	62,890	13,325,873	65,130	20,400		804,500
0.20	02/23/12	2,442,437	1,191,000	23,104,522	135,510	11,799,117	54,300	13,332,839	69,660	20,400		931,530
0.15	02/24/12	2,443,562	1,125,000	23,118,143	136,210	11,803,840	47,230	13,339,373	65,340	20,400		876,220
0.00	02/25/12									20,400		0
0.00	02/26/12									20,400		0
0.00	02/27/12	2,446,923	1,120,333	23,158,736	135,310	11,822,163	61,077	13,355,959	55,287	20,400		868,660
0.00	02/28/12	2,448,076	1,153,000	23,171,744	130,080	11,828,099	59,360	13,363,299	73,400	20,400		887,460
1.25	02/29/12	2,449,195	1,119,000	23,184,752	130,080	11,834,305	62,060	13,370,463	71,640	20,400		917,280
2.45			1,172,663		140,579		61,074		65,911			908,067
	MONTH TO DATE				DAILY LOC	INQUIRER	EG TWP					
	NORMAL MONTH TO DATE						2.45					
	YEAR TO DATE											
	NORMAL YEAR TO DATE						5					



## 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											
APRIL											
MAY											
JUNE											
JULY											
AUGUST											
SEPTEMBER											
OCTOBER											
NOVEMBER											
DECEMBER											
<b>Total Flows</b>											
<b>Monthly Ave</b>	<b>1,234,548</b>	<b>146,582</b>	<b>65,402</b>	<b>67,676</b>	<b>20,400</b>	<b>68,321</b>	<b>82,082</b>	<b>181,656</b>	<b>964,480</b>	<b>6,742</b>	<b>11,839</b>

To  
West Goshen

954,889



## 2012 SUMMARY OF METER READINGS

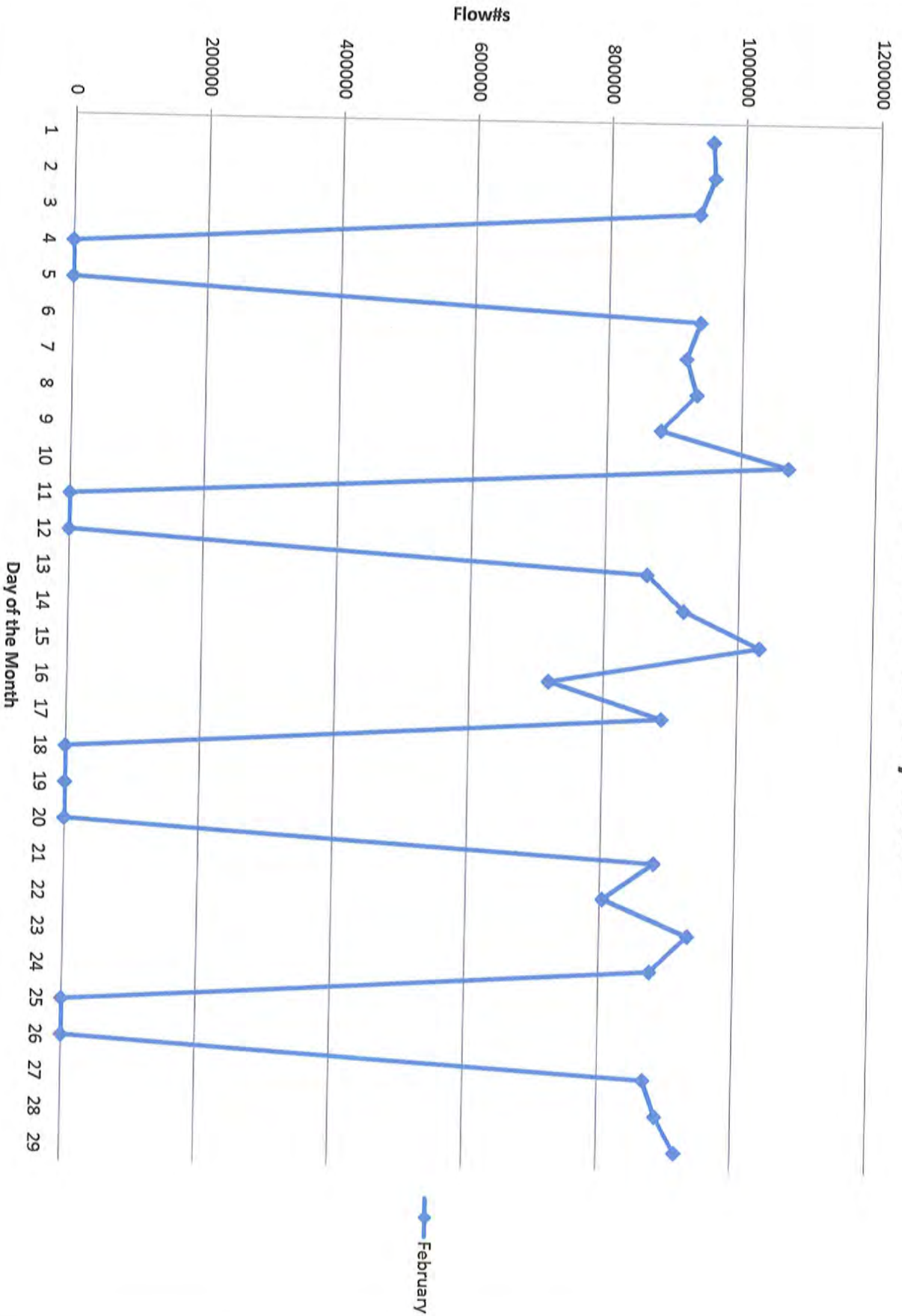
WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT
-----------------	---------------	---------------	-----------------	--------

JANUARY	1,296,433	152,585	69,729	69,440	20,400
FEBRUARY	1,172,663	140,579	61,074	65,911	20,400
MARCH					
APRIL					
MAY					
JUNE					
JULY					
AUGUST					
SEPTEMBER					
OCTOBER					
NOVEMBER					
DECEMBER					

Total Flows

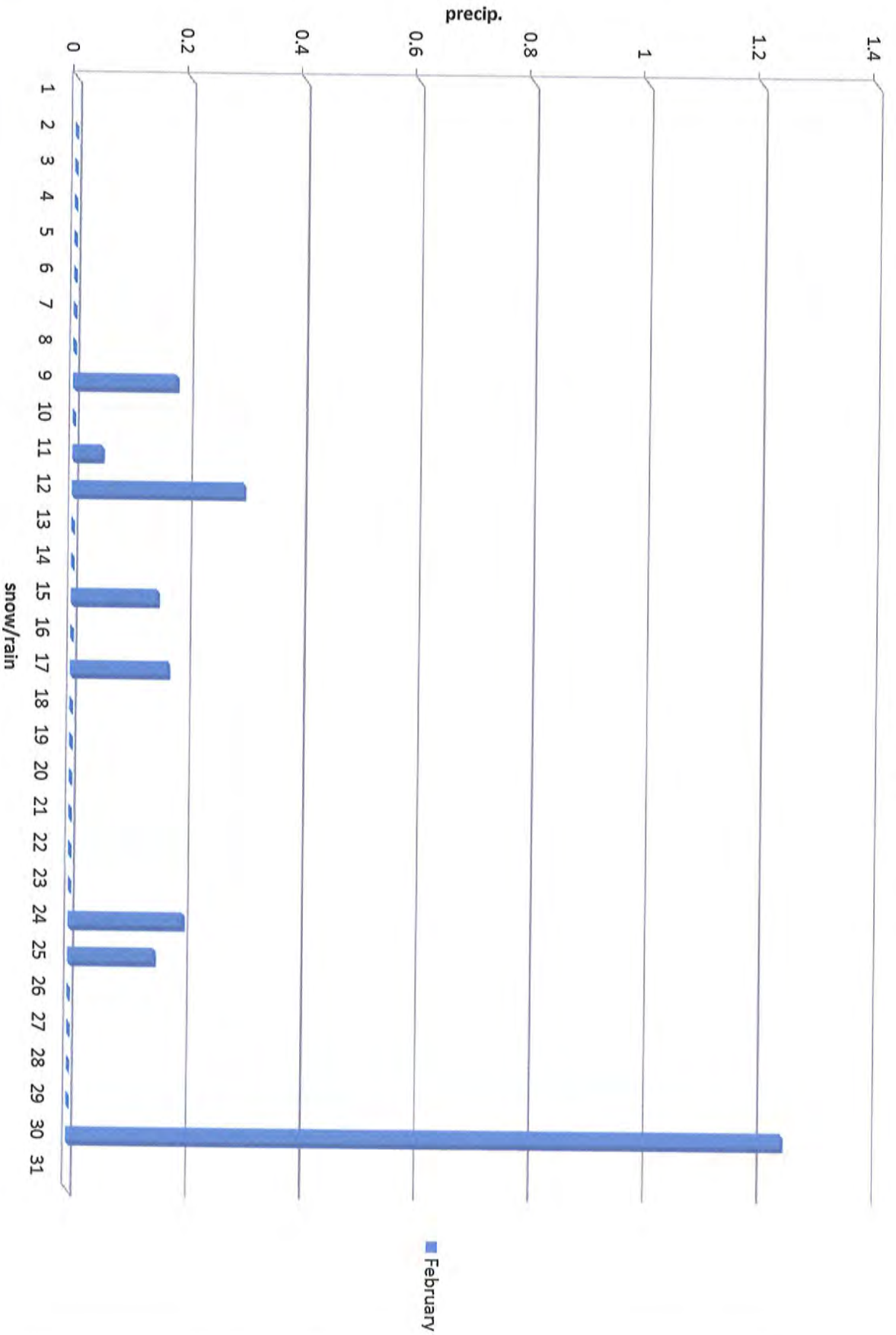
Monthly Ave	1,234,548	146,582	65,402	67,676	20,400
-------------	-----------	---------	--------	--------	--------

# Flowmeters February 2012





# February Precip. 2.45 - 2012





# 2012 Monthly Precipitation

