

**EAST GOSHEN MUNICIPAL AUTHORITY**

**June 14, 2010  
Monday, 7:00 PM**

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE
  - a. Ask if anyone will be taping the meeting?
2. RIDLEY CREEK REPORTS
  - a. Brickhouse Environmental -
  - b. Pennoni –
  - c. Costs Summary
  - d. Change Orders
  - e. Worth & Company, Inc.,
  - f. Tank Cleaning Bid
3. RIDLEY CREEK INVOICES

a. Hammond & McCloskey, #4513, 5/5/10	\$ 1,078.38
b. Hammond & McCloskey, #4523, 5/5/10	\$ 270.10
c. Pennoni, #440011, 5/25/10	\$ 19,287.50
d. Fisher Scientific, #3461600, 4/26/10	\$ 2,329.17
e. Fisher Scientific, #3781979, 5/12/10	\$ 1,485.63
f. Aqua Wastewater Mgt, #161112, 5/15/10	\$ 39,937.70
g. USA BlueBook, #155755, 5/21/10	\$ 456.81
h. Gawthrop Greenwood, #79963, 5/31/10	\$ 665.00
i. Gawthrop Greenwood, #79964, 5/31/10	\$ 836.00
j. Marco, #064873, 4/29/10	\$ 258.00
k. Worth and Company, #P28001, 5/31/10	\$178,290.62
4. CHAIRMAN’S REPORT/OTHER MEMBERS REPORTS
5. APPROVAL OF MINUTES
  - a. May 10, 2010
  - b. May 20, 2010
  - c. June 7, 2010
6. ENGINEER’S REPORT
  - a. Pennoni report
7. APPROVAL OF INVOICES

a. _General Fund reimbursement, Staples, 5/20/10	\$ 142.47
b. Gawthrop Greenwood, #79415, 4/30/10	\$ 627.00
c. Gawthrop Greenwood, #79416, 4/30/10	\$ 1,083.00
8. LIAISON REPORTS
9. FINANCIAL REPORTS
10. GOALS
11. OLD BUSINESS
  - a. Chester Creek Sewage Collection System Modeling
12. NEW BUSINESS
  - a. Memo – Ridley Creek Sewer Plant Project Outstanding Issues

Monday, June 14, 2010

- 13. CAPACITY REQUESTS
- 14.
- 15. SEWER REPORTS
  - a. Director of Public Works Report – May 2010
  - b. East Goshen Township Flows for 2010
  - c. Artesian Lockwood Chase Reports
  - d. Artesian Ridley Creek Report
- 16. ANY OTHER MATTER
- 17. CORRESPONDENCE AND REPORTS OF INTEREST
- 18.
- 19. PUBLIC COMMENT
- 20. ADJOURNMENT

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

<b><u>Article Due Date</u></b>	<b><u>Delivery date</u></b>
August 11, 2010	October 1, 2010
November 10, 2010	January 1, 2011

## **Project Manager's May 2010 Report**

### **Executive Summary**

Commencement of phase II of the Ridley Creek Sewage Treatment Plant (RCSTP) upgrade and expansion project progressed with the completion cleaning of the existing DAVCO treatment tanks. Aqua Wastewater Management, Inc. was contracted to remove and dispose of the sludge, grit and debris remaining in the treatment tanks after transfer of mixed liquor suspended solids (MLSS) to the new sequential batch reactors (SBRs). Demolition of existing main components included the removal of all lift station and forward flow EQ tank pumps, demolition of the previous influent lift station, clarifier drive mechanisms and related equipment, aeration tank drop piping and diffusers and the up flow sand filters. Refurbishment of the existing DAVCO treatment tanks to serve as treated effluent flow equalization and sludge holding tanks was initiated. Progress during May and the first week of June included complete refurbishment of DAVCO treatment tank number one (1) and initiation of the sand blasting and painting. Substantial progress was completed towards the installation of the underground piping linking the SBR effluent piping to the existing DAVCO tanks. The new sludge dewatering building concrete floor was cast in place and the construction of the masonry walls commenced on June 10<sup>th</sup>.

Operation of the SBRs and related equipment continued during the month. The manufacturer, Siemens, continued to coordinate with the Plant Operator to implement adjustments to the treatment plant system program and programmable logic controller (PLC). Regulatory compliance with the existing NPDES discharge permit for the month of May is not expected as the result of slightly elevated ammonia as nitrogen concentrations in the effluent. Improvements towards nitrification and ammonia as N removal are anticipated as the treatment process and programmable set points are adjusted for actual site conditions.

Key administrative and contractual items completed during the month included the acceptance and approval of Worth & Company change orders 001, 002, and 003 by the Municipal Authority. Included as part of the change orders, the overall substantial completion date was extended from June 30, 2010 to July 13, 2010. The Authority received a response from Pennoni Associates, Inc. regarding the Clinger letters dated March 15, 2010 and April 30, 2010. A meeting with representatives from Clinger and Pennoni was scheduled for June 11, 2010 to develop a solution for presentation to the Authority.

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East Goshen Municipal Authority  
Ridley Creek Sewage Treatment Plant Upgrade & Expansion Project  
May 2010 Project Manager Report

**To: East Goshen Municipal Authority Members**

**From: Scott A. Towler, P.E., Project Manager**  
**Dave W. Evans, Project Manager**

**CC: Evans Andrews, P.E., Authority Engineer**

**Date: June 10, 2010**

**Re: May 2010 – Project Manager Report for the Ridley Creek Capital Expansion Project:**

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**I. General Construction**

**1. Influent Meter Vault**

All work has been completed and the influent flow meter was placed in service May 5, 2010.

**2. Influent Lift Station**

All work has been completed and the influent flow meter was placed in service May 5, 2010.

**3. Manhole Number 1**

No change in status

**4. Storm Water Bio Retention Pond Adjacent to Manhole No. 1**

No change in status

**5. Screening Building**

- a. The screening building, grinder and fine screen were placed in service May 5, 2010.
- b. Relocation of the transfer fan approximately 3 vertical feet remains to be completed to prevent the fan from submergence in the event of flooding of the lower section of the screen building.
- c. Accumulation of grit and debris has been observed in the open channel prior to the grinder. The channel was cleaned on June 8, 2010 and will be monitored. Presently, removal of the grit and debris will require manual labor with appropriate safety precautions.

**6. Influent Force Main to SBRs**

No new activity.

7. **SBR Effluent Discharge & Disc Filter Feed Suction Piping**
  - a. On May 27, 2010, Trinity Excavation Company (TEC) installed the underground fourteen (14) inch piping from the existing control building to DAVCO No. 1.
  - b. Trinity Excavation Company (TEC) installed the fourteen (14) inch disc filter feed pump suction piping from the existing control building to the each of the existing DAVCO treatment tanks.
  - c. On June 8, 2010, TEC excavated the trench for the installation of the sixteen (16) inch ductile iron pipe from the SBRs to the existing DAVCO treatment tank number two (2).
  - d. Pressure testing of the disc filter feed suction piping is scheduled for the week of June 14, 2010.
  
8. **Flocculation Tank**
  - a. Two (2) remaining section of FRP require installation adjacent to the floc mixer.
  - b. Adjustment of the FRP decking parallel to the new treatment building remains to be completed.
  
9. **Disc Filters and Associated Equipment**
  - a. All work has been completed and the disc filters were placed in service May 5, 2010.
  - b. On June 7, 2010, Aqua Aerobics completed the replacement of all four (4) back wash valves on both disc filters. The work was performed as warranty work.
  - c. The Aqua Aerobics representative lowered the high level mounting bracket and float. The previous elevation setting allowed for the water level in the tank to rise and flow through the filter bypass without prompting for backwashing the disc filters. The water quality has improved.
  - d. Water has been observed to be present in the back wash pump oil reservoir sight glass for disc filter number 1. The manufacturer has been notified of the issue and to correct the problem.
  
10. **SBR Basins**
  - a. All work has been completed and three (3) of the four (4) SBRs were placed in service May 5, 2010.
  - b. On May 24, 2010, EGTMA Staff transferred MLSS from SBR No. 2 to SBR No. 3 to drain SBR No. 2. The objective was to perform an inspection of SBR No. 2 as part of investigating the discharge of MLSS from SBR No. 2 during a decant cycle. No malfunction was observed.
  - c. SBR Process Adjustments were implement as per Siemens:
    - i. May 28, 2010
      1. The air slope was increased to from 180 to 220.

2. The anoxic multiplier was reduced from 1.0 to 0.8.
  - ii. June 2, 2010
    1. The anoxic multiplier was reduced from 0.8 to 0.7.
  - iii. June 4, 2010
    1. The anoxic fill time was reduced from 70 minutes to 60 minutes.
    2. The WAS setting was increased from 3.0 to 3.5 minutes.
  - iv. June 7, 2010
    1. The maximum anoxic time was reduced from 60 minutes to 50 minutes.
  - v. June 9, 2010
    1. The air slope was increased from 220 to 230.
    2. The minimum aeration time was increased from 90 to 120 minutes.
11. **SBR Equipment**
  - a. Pennoni Associates provided Wm. H. Clinger wiring diagrams and guidance for the termination of the motor operated valves included as part of the aluminum sulfate chemical feed system to the individual SBRs.
12. **Treatment Building**
  - a. On June 9, 2010, the concrete apron for the overhead garage door was cast in place.
13. **Treatment Building Roof**

No new activity
14. **UV Disinfection System**
  - a. All work has been completed and the disc filters were placed in service May 5, 2010.
  - b. A loose wire was determined to correct the previous problem identified with UV bank No. 1. Both UV banks were placed in service on May 28, 2010 to ensure adequate disinfection during a SBR decant cycle.
  - c. Continuous monitoring of the effluent water temperature at the discharge side of the UV lamps is ongoing.
15. **Effluent Collection Box**

No new activity.
16. **Effluent Overflow Box**

No new activity.

- 17. Utility Water Piping**
  - a. The non-potable water system was placed in service.
  - b. The Authority Staff furnished and installed wall mounted hose reels, including hose within the Screen and New Treatment Buildings.
  
- 18. Apple Brook Discharge**
  - a. No new activity.
  - b. The pump is anticipated to be returned to service with when one effluent flow equalization basin is placed in service (possibly the end of June 2010).
  
- 19. Electrical**
  - a. Clinger had no scheduled Staff or employees on site during May.
  - b. Matt Burke was dispatched to RCSTP on May 28, 2010 to address issues with the influent lift station and floc tank mixer. Both issues were resolved and the equipment returned to service.
  - c. Wm. H. Clinger Corporation work crews are scheduled to return to the site on June 21, 2010. Clinger estimates four (4) weeks to complete the electrical equipment installation.
  
- 20. Rehabilitation of the existing Aeration Blowers**
  - a. Blower number 4 was delivered and installed.
  
- 21. New Sludge Dewatering Building**
  - a. On May 24, 2010, TEC began excavation of the foundation for the new sludge dewatering building.
  - b. On May 25, 2010, Heim Contractors were on site preparing the forms for the building cast-in-place footers.
  - c. On June 1, 2010, Heim Contractors is on site placing the block for the dewatering building foundation. The work was completed on June 1<sup>st</sup>.
  - d. On June 2, 2010, the three courses of concrete block for the foundation were filled with concrete. Two (2) cylinders were collected for testing.
  
- 22. DAVCO Tank Cleaning & Refurbishment**
  - a. On May 6, 2010, Aqua wastewater Management, Inc. began cleaning DAVCO treatment tanks number two (2).
  - b. On May 10, 2010, DAVCO treatment tank number two (2) was cleaned of liquid waste. The clarifier section was completely cleaned. The aeration tank section contained grit which was being removed.
  - c. On May 14, 2010, Aqua Wastewater Management completed cleaning, removal and disposal of the contents in both DAVCO treatment plants.
  - d. On May 24, 2010, installation of the fourteen (14) and sixteen (16) inch pipe flanges on the exterior of the tanks on DAVCO No. 1 were

completed. The openings in the wall between the aeration and sludge tanks to join the tanks together were cut in place.

- e. On May 27, 2010, installation of the fourteen (14) and sixteen (16) inch pipe flanges on the exterior of the tanks on DAVCO No. 2 were completed.
- f. On June 2, 2010, the drain lines from the clarifier which transect the former aeration section of the DAVCO tanks was replaced and welded in place for both DAVCO tanks.
- g. On June 2, 2010, DAVCO tank No. 1 is ready for sandblasting and painting.
- h. On June 2, 2010, observation of the waste activated sludge pipe flanges for both DAVCO tanks were welded in place.

**23. Demolition**

- a. Demolitions of the influent lift station commenced on May 8, 2010. The influent pumps, motors and grinder were removed. Observations on May 10, 2010 included removal of all piping, valves and the door and frame.
- b. On May 24, 2010, the lift station was observed to have been backfilled and leveled.
- c. On May 20, 2010, demolition of DAVCO treatment tank clarifier number one (1) was completed. The pipe penetrations through the clarifier walls were sealed with steel plates welded to cover the openings.
- d. On May 24, 2010, the removal of the aeration drop pipes and diffusers was completed in DAVCO NO. 1.
- e. On May 24, 2010, the removal of the aeration drop pipes and diffusers was completed in DAVCO NO. 2.
- f. On May 27, 2010, the Parkson up flow sand filters were removed for disposal.
- g. On June 2, 2010, demolition of the forward flow pumps, piping and concrete equipment pads was completed.

**24. Erosion and Sediment Controls**

- a. East Goshen Township Municipal Authority Worth & Company, Inc. continues to perform inspections of the E&S controls as required after a storm event.

**II. Payment Requests**

- a. Worth & Company pencil payment review was conducted on June 3, 2010. Worth & Company was instructed to include information regarding the approved change orders on the request for payment application.
- b. There was no payment request review conducted for Wm. H. Clinger Corporation.



**III. Release of Liens**

- a. Release of liens for equipment and subcontractors for Worth & Company are current.
- b. Copies of the release of liens for equipment and subcontractors for Wm. H. Clinger Corporation have been requested. The release of liens for equipment and subcontractors for Wm. H. Clinger Corporation are reported to be current.

**IV. Meetings**

- a. On May 13, 2010, the weekly progress meeting was conducted at the RCSTP site.
- b. On May 10, 2010, the East Goshen Township Municipal Authority conducted its monthly meeting.
- c. On May 19, 2010, prepared for and attended a meeting with Worth & Company and the East Goshen Township Municipal Authority to discuss proposed Worth & Company change orders 1 and 2. Change order number 1 was resolved and change order number 3 presented to Worth and Company.
- d. On May 20, 2010, the East Goshen Township Municipal Authority conducted a special meeting to discuss and approve Worth and Company PCO-19, PCO-20, PCO-21, PCO-22 and add eleven (11) days to the schedule.
- e. On May 27, 2010, the weekly progress meeting was conducted at the RCSTP site.

**V. Correspondence**

No formal letters were issued during the month

**VI. Extras Identified During the month**

- a. Worth & Company provided the Municipal Authority the executed change order number 001.
  - i. There was a result of a credit to the Authority of \$42,648.25 which resulted in an adjusted contract value of \$7,822,751.75
- b. The East Goshen Township Municipal Authority approved change order 002 for Worth & Company.
  - i. There was a result of a credit to Worth & Company of \$11,234.03 which resulted in an adjusted contract value of \$7,833,985.78.
- c. The East Goshen Township Municipal Authority approved change order 003 for Worth & Company.
  - i. There was a result of a credit to Worth & Company of \$35,438.56 which resulted in an adjusted contract value of \$7,869,424.24.

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**Potential Receipts Pending**

- a. Worth & Company credit for the reduced labor and schedule regarding the installation of the frost barrier within the internal perimeter of the new treatment building.
- b. Discussion of the cost benefits to Worth & Company regarding the BFP and construction of a temporary structure are recommended.

**VII. Issues for Reconciliation**

- a. Aqua Aerobics disc filter control panel was observed to produce a "basin transducer level out of range" alarm.
  - i. Worth & Company is coordinating with Aqua Aerobics to correct the deficiency.
- b. Siemens SBR Operational issues regarding low dissolved oxygen concentrations. The Plant Operator is coordinating with Siemens to adjust the process. Influent wastewater monitoring and process control testing will assist in resolving the problem.
- c. Pennoni Associates, Inc. formal letter response to East Goshen Township Municipal Authority regarding Clinger's March 15, 2010 letter.
- d. Clinger issued a letter dated April 30, 2010 to the East Goshen Township Municipal Authority explaining that they are proceeding with the installation of the conduit within the duct bank between the existing control building and new treatment plant. They also claim their position that the work is not included as part of the original plans as prepared by Pennoni Associates, Inc.
- e. Worth & Company issued a letter dated February 15, 2010 requesting for a substantial completion date of September 30, 2010.
- f. Worth and Company change orders for the structural steel modifications to the new treatment and screening buildings.

**VIII. Concerns to Monitor**

- a. Grit and debris accumulation in the influent flow channel prior to the grinder and screening unit.
- b. Performance of the SBR treatment process, specifically dissolved oxygen concentrations, aeration time, organic loadings and process control.
- c. Alkalinity feed system.
- d. Separation of the internal recycles flow volumes from the influent flow meter for accurate determination of the influent flows.

**IX. Start-up**

No dates have been established for the treated effluent storage, sludge holding, disc filter feed pumps or centrifuge dewatering system start up and training.

EAST GOSHEN MUNICIPAL AUTHORITY  
RIDLEY CREEK EXPANSION PROJECT  
SUMMARY

June 9, 2010

Includes bills paid at 5/10 and 5/20 meetings

Name	Budget or Contract amt.	This Month	To Date	Balance	% of work completed
<b>EXPENSES</b>					
Borrowing costs	\$52,250.00	\$0.00	\$52,250.00	\$0.00	100.00%
Worth	\$7,865,400.00	\$170,263.75	\$6,235,671.75	\$1,629,728.25	79.28%
change orders	-\$7,332.91	\$0.00	\$0.00	-\$7,332.91	0.00%
Clinger	\$974,000.00	\$34,539.38	\$837,199.44	\$136,800.56	85.95%
change orders	\$31,862.00	\$0.00	\$0.00	\$31,862.00	0.00%
Pennoni (Inspection) (05)	\$136,200.00	\$0.00	\$136,197.62	\$2.38	100.00%
Pennoni (Continued Services) (10)	\$99,700.00	\$19,243.40	\$91,817.98	\$7,882.02	92.09%
Pennoni (Rechargeable) (06)	\$20,000.00	\$0.00	\$12,961.75	\$7,038.25	64.81%
Brickhouse	\$175,000.00	\$11,931.25	\$102,637.50	\$72,362.50	58.65%
<b>Extras</b>					
Capital	\$87,224.91	\$0.00	\$47,461.42	\$39,763.49	54.41%
Capital (Identified but not paid)	\$73,696.00	\$0.00	\$0.00	\$73,696.00	0.00%
Trailer, Phone, Porta Pot & Internet	\$12,000.00	\$711.15	\$10,509.95	\$1,490.05	87.58%
<b>EXPENSES TOTAL</b>	<b>\$9,520,000.00</b>	<b>\$236,688.93</b>	<b>\$7,526,707.41</b>	<b>\$1,993,292.59</b>	<b>79.06%</b>
<b>RECEIPTS</b>					
Pennoni (Rechargeable)	-\$20,000.00	\$0.00	\$0.00	-\$20,000.00	0.00%
<b>NET</b>	<b>\$9,500,000.00</b>	<b>\$236,688.93</b>	<b>\$7,526,707.41</b>	<b>\$1,973,292.59</b>	

Retainage (10% until 50% of the project is done then it drops back to 5%)

Worth	\$328,193.25	5%
Clinger	\$42,245.28	5%
<b>Total</b>	<b>\$370,438.53</b>	

We have identified \$146,357 in potential extras.  
We also have \$464,195 in Grant Money available

J. RIDLEY CREEK RPTS  
C.  
8 pgs  
SUMMARY V2

EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 DETAIL  
 June 9, 2010

Worth	Date	Amount	Subtotals	Name	Description
	2/9/2009	\$561,150.00		Worth & Company	Application #1
	3/9/2009	\$480,825.00		Worth & Company	Application #2
	4/9/2009	\$768,780.00		Worth & Company	Application #3
	5/8/2009	\$125,352.90		Worth & Company	Application #4
	5/31/2009	\$485,103.12		Worth & Company	Application #5
	6/30/2009	\$287,975.00		Worth & Company	Application #6
	7/31/2009	\$138,217.50		Worth & Company	Application #7
	8/31/2009	\$679,793.40		Worth & Company	Application #8
	9/30/2009	\$504,310.98		Worth & Company	Application #9
	9/30/2009	\$222,861.55		Worth & Company	Application #10 (5% retainage)
	10/31/2009	\$724,089.05		Worth & Company	Application #11
	11/30/2009	\$379,360.17		Worth & Company	Application #12
	12/31/2009	\$374,772.62		Worth & Company	Application #13
	1/31/2010	\$207,881.86		Worth & Company	Application #14
	2/28/2010	\$69,077.35		Worth & Company	Application #15
	3/31/2010	\$75,857.50		Worth & Company	Application #16
	4/30/2010	\$170,263.75		Worth & Company	Application #17
		\$6,235,671.75	\$6,235,671.75		
Clinger					
	4/9/2009	\$22,152.64		Clinger	Application #1
	5/8/2009	\$15,714.77		Clinger	Application #2
	5/31/2009	\$77,973.43		Clinger	Application #3
	6/30/2009	\$12,567.46		Clinger	Application #4
	8/30/2009	\$10,855.98		Clinger	Application #5
	9/30/2009	\$111,255.75		Clinger	Application #6
	10/31/2009	\$59,344.83		Clinger	Application #7
	11/30/2009	\$145,354.05		Clinger	Application #8
	12/31/2009	\$94,727.00		Clinger	Application #9
	1/31/2010	\$139,092.94		Clinger	Application #10
	2/28/2010	\$58,514.64		Clinger	Application #11
	2/28/2010	\$41,530.78		Clinger	Application #12 (5% retainage)
		\$13,575.79		Clinger	Application #13
	5/2/2010	\$34,539.38		Clinger	Application #14
		\$837,199.44	\$837,199.44		
Pennoni					
	?	\$712.50		PENNONI ASSOCIATES INC.	RCSTP EXP. PROJ. SERV. THRU ?
	10/30/2008	\$943.50		PENNONI ASSOCIATES INC.	RCSTP EXP. PROJ. SERV. THRU 10/19/08
	12/5/2008	\$18,115.98		PENNONI ASSOCIATES INC.	RCSTP EXP. PROJ. SERV. THRU 11/30/08

Date	Amount	Subtotals	Name	Description
1/15/2009	\$12,929.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 12/28/08
2/5/2009	\$13,352.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 1/25/09
3/19/2009	\$31,288.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 3/1/09
4/8/2009	\$29,010.46		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 3/29/09
5/6/2009	\$22,436.46		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 4/26/09
7/29/2009	\$3,528.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 7/19/09
12/30/2010	\$16,482.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 12/31/10
1/29/2010	\$24,224.58		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 1/17/10
2/23/2010	\$13,057.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 2/14/10
4/1/2010	\$19,243.40		PENNONI ASSOCIATES INC.	
5/5/2010	\$18,810.50		PENNONI ASSOCIATES INC.	Through 4/18/2010
	\$224,134.38	\$224,134.38		
<b>Pennoni (rechargeable)</b>				
2/5/2009	\$2,840.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 1/25/09
3/19/2009	\$4,934.75		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 3/1/09
4/8/2009	\$3,777.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 3/29/09
5/6/2009	\$1,409.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ. SERV. THRU 4/26/09
	\$12,961.75	\$12,961.75		
<b>Brickhouse</b>				
5/12/2009	\$2,127.50		BRICKHOUSE	Apr-09
6/1/2009	\$8,452.50		BRICKHOUSE	May-09
7/1/2009	\$7,791.25		BRICKHOUSE	Jun-09
8/3/2009	\$9,315.00		BRICKHOUSE	Jul-09
9/1/2009	\$7,762.50		BRICKHOUSE	Aug-09
10/1/2009	\$7,417.50		BRICKHOUSE	Sep-09
11/2/2009	\$7,072.50		BRICKHOUSE	Oct-09
12/1/2009	\$7,963.75		BRICKHOUSE	Nov-09
1/4/2010	\$7,762.50		BRICKHOUSE	Dec-09
2/1/2010	\$7,618.75		BRICKHOUSE	Jan-10
3/1/2010	\$7,417.50		BRICKHOUSE	Feb-10
4/1/2010	\$10,005.00		BRICKHOUSE	Mar-10
5/3/2010	\$11,931.25		BRICKHOUSE	Apr-10
	\$102,637.50	\$102,637.50		
<b>Extras - Capital - Paid</b>				
12/22/2008	\$44.98		EAST GOSHEN TOWNSHIP	REIMBURSE GEN.FUND FOR OFFICE DEPOT
12/31/2008	\$88.00		FASTSIGNS	RED ON WHITE ALUM. SIGNS
1/12/2009	\$177.00		FASTSIGNS	SIGNS - PLEASE AVOID TOWNE DR....
12/1/2008	\$36.00		GREAT VALLEY LOCKSHOP	KEYS FOR CONTRACTOR
12/8/2008	\$160.80		GREAT VALLEY LOCKSHOP	PADLOCKS, REKEY CYLINDERS & KEYS
12/29/2008	\$474.82		HANSON AGGREGATES INC	36.95 TONS SUBBASE AGGREGATE
12/31/2008	\$908.00		HANSON AGGREGATES INC	70.66 TONS SUBBASE AGGREGATE
12/15/2008	\$2,089.39		LENNI ELECTRIC CORPORAT	TEMP SERV. FOR TRAILER - RIDLEY CRK
12/31/2008	\$120.00		LENNI ELECTRIC CORPORAT	SEWER PLANT - GUY WIRE RELOCATE
12/29/2008	\$7,865.00		MACANGA INC.	TRUCK & TRACKHOE RENTAL 12/5-12/18

398  
DETAIL

Date	Amount	Subtotals	Name	Description
12/1/2008	\$2,466.00		PATTERSON, MICHAEL J.	MATERIALS & LABOR - SPLIT RAIL FENCE
12/1/2008	\$4,907.72		PIPE XPRESS INC.	COPPER TUBING, BRASS COMP. COUPLING
12/15/2008	\$813.74		PIPE XPRESS INC.	BURIAL HYDRANT, BRASS CURB STOP, &
12/29/2008	\$129.00		RAM-T CORPORATION	2 FT. SILT FENCE
12/1/2008	\$1,183.00		RANSOME RENTAL COMPAN	CATERPILLAR - TRUCK LOADER RENTAL
12/8/2008	\$3,960.00		RANSOME RENTAL COMPAN	CATERPILLAR RENTAL 11/13-11/25/08
12/29/2008	\$908.00		RANSOME RENTAL COMPAN	CATERPILLAR RENTAL 12/15 - 12/18/08
12/31/2008	\$1,044.85		RANSOME RENTAL COMPAN	CATERPILLAR RENTAL 12/15-12/16/08
12/8/2008	\$119.95		SAFETY SOLUTIONS INC.	MEDICAL SUPPLIES
12/1/2008	\$635.60		US MUNICIPAL SUPPLY INC.	CUSTOM SIGNS - RIDLEY CREEK TREATMT
12/31/2008	\$157.50		GAWTHROP GREENWOOD	LEGAL
1/31/2009	\$936.50		GAWTHROP GREENWOOD	LEGAL
3/19/2009	\$1,246.64		HAMMOND & MCCMLOSY	WATER SERVICE
3/31/2009	\$1,254.00		GAWTHROP GREENWOOD	LEGAL
4/2/2009	\$274.21		PIPE XPRESS INC.	YARD HYDRANT #2
4/2/2009	\$1,910.28		HAMMOND & MCCMLOSY	WATER PIPING
5/11/2009	\$158.69		US MUNICIPAL SUPPLY INC.	3 SIGNS
4/30/2009	\$264.86		LENNI ELECTRIC CORPORAT	WIRED HOT WATER HEATER
5/31/2009	\$133.00		GAWTHROP GREENWOOD	LEGAL
6/30/2009	\$304.00		GAWTHROP GREENWOOD	LEGAL
7/17/2009	\$1,481.00		EAST GOSHEN TOWNSHIP	BLOWER MOTOR (REPAIRED AND KEPT AS A SPARE)
9/10/2009	\$254.85		AGWAY	TREE STAKES AND PEAT MOSS
8/25/2009	\$1,855.00		HARMONY HILL NURSERIES	16 TREES
8/31/2009	\$836.00		GAWTHROP GREENWOOD	2 MONTH LEGAL
11/19/2009	\$314.00		VIMCO	SEALER FOR FLOORS
10/31/2009	\$285.00		GAWTHROP GREENWOOD	LEGAL
12/31/2010	\$1,414.97		L/B water	YARD HYDRANT #2
12/18/2009	\$443.48		Grainger	Hose Reel 1 inch
12/18/2009	\$267.98		Grainger	Hose Reel 3/4 inch
2/2/2010	\$789.45		Fisher Scientific	Lab Equipment
2/28/2010	\$57.00		GAWTHROP GREENWOOD	LEGAL
3/15/2010	\$103.96		Matthews Ford	Van rental
3/31/2010	\$275.50		Grainger	Hose
3/31/2010	\$247.00		GAWTHROP GREENWOOD	LEGAL
4/7/2010	\$70.15		GREAT VALLEY LOCKSHOP	6 locks
4/14/2010	\$641.98		Grainger	Shelving
4/15/2010	\$1,127.48		Continental Fire & Safety	3" & 1.75" Hose
4/16/2010	\$28.58		Grainger	Phone
3/17/2010	\$1,092.01		Water Pollution Biology	Michael Geradi - Talk
2/22/2010	\$1,104.50		McNichols	Safety Grating
5/5/2010			HAMMOND & MCCMLOSY	WATER LINE OFFICE
5/5/2010			HAMMOND & MCCMLOSY	Hose fitting in storage room
4/26/2010			Fisher Scientific	BALANCE
4/29/2010			Fisher Scientific	COD HEATING BLOCK
5/3/2010			Fisher Scientific	DESICCATOR & OVEN
5/12/2010			Fisher Scientific	FURNACE

498  
DETAIL

Date	Amount	Subtotals	Name	Description
4/19/2010			Grainger	pump and hose
5/21/2010			USA Blue book	beakers
4/29/2010			Marco	3 10Lb dry Chem FX
4/26/2010			Cleaners Pro shop	cleaning equipment
5/9/2010			Staples	office equipment
4/30/2010			GAWTHROP GREENWOOD	Legal
<b>Total</b>	<b>\$47,461.42</b>	<b>\$47,461.42</b>		

**Extras - Capital - Identified capital extras that have not been paid**

	\$20,396.00			Driveway Restoration
	\$3,300.00			Restoration of parking area
	\$50,000.00			Paving at RCSTP (we received a credit from Worth)
<b>Total</b>	<b>\$73,696.00</b>	<b>\$73,696.00</b>		

**Trailer, Phone, Porta Potty & Internet**

12/15/2008	\$1,039.10		ACTON MOBILE INDUSTRIES	RENTAL MOBILE OFFICE
12/22/2008	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL - THRU 1/19/09
1/21/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL - 1/20-2/20/09
2/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL - 2/20- 3/20/09
3/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL - 3/20 - 4/19
4/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL - 4/20 - 5/19
5/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL 5-20 - 6/19
6/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	MOBILE OFFICE RENTAL 6/20 - 7/19
7/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	7/20 to 8/19
8/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	8/20/ to
9/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	thru 11/19
10/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	thru 12/19
11/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	Thru 1/19
12/10/2009	\$239.10		ACTON MOBILE INDUSTRIES	Thru 2/19/10
1/10/2010	\$239.10		ACTON MOBILE INDUSTRIES	Thru 3/19/10
2/10/2010	\$239.10		ACTON MOBILE INDUSTRIES	Thru 4/19
3/10/2010	\$239.10		ACTON MOBILE INDUSTRIES	Thru 5/19
4/10/2010	\$239.10		ACTON MOBILE INDUSTRIES	Thru 6/19
5/10/2010	\$239.10		ACTON MOBILE INDUSTRIES	Thru 6/19
<b>Total</b>	<b>\$5,342.90</b>	<b>\$5,342.90</b>		

12/15/2008	\$140.00		POTTY QUEEN	RENTAL PORTABLE TOILET - RIDLEY CRK
12/22/2008	\$64.47		POTTY QUEEN	RENTAL TOILET 12/23-1/10/08
2/8/2009	\$95.00		POTTY QUEEN	RENTAL TOILET 2/8-3/7
3/8/2009	\$95.00		POTTY QUEEN	RENTAL TOILET 3/8-4/4
4/5/2009	\$95.00		POTTY QUEEN	RENTAL TOILET 4/5-5/2
5/5/2009	\$95.00		POTTY QUEEN	RENTAL TOILET ????
7/26/2009	\$95.00		POTTY QUEEN	RENTAL 7/26 TO 8/22
8/23/2009	\$95.00		POTTY QUEEN	Rental 8/23 to 9/19
9/20/2009	\$95.00		POTTY QUEEN	RENTAL 9/20 to 10/17

Date	Amount	Subtotals	Name	Description
10/18/2009	\$95.00		POTTY QUEEN	10/18/09 to 11/14/09
11/14/2009	\$95.00		POTTY QUEEN	11/15 to 12/13
12/13/2009	\$95.00		POTTY QUEEN	12/13 to 1/9/10
1/10/2010	\$95.00		POTTY QUEEN	1/10/10 to 2/8/10
2/7/2010	\$95.00		POTTY QUEEN	2/7/10 to 3/6/10
3/7/2010	\$95.00		POTTY QUEEN	3/7 to 4/3
4/4/2010	\$95.00		POTTY QUEEN	4/4 to 5/1
5/2/2010	\$98.80		POTTY QUEEN	5/2 to 5/29
5/30/2010	\$96.90		POTTY QUEEN	5/30 to 6/26
	\$1,730.17	\$1,730.17		
12/22/2008	\$174.65		VERIZON -7041	NOVEMBER 25 - DECEMBER 6, 2008
1/7/2009	\$137.87		VERIZON -7041	BILLING DATE 1/07/09
2/7/2009	\$130.34		VERIZON -7041	BILLING DATE 2/07/09
3/7/2009	\$133.97		VERIZON -7041	BILLING DATE 3/7/09
4/7/2009	\$136.00		VERIZON -7041	BILLING DATE 4/7/09
5/7/2009	\$137.66		VERIZON -7041	BILLING DATE 5/7/09
6/7/2009	\$178.47		VERIZON -7041	BILLINGDATE 6/7/2009
7/7/2009	\$145.21		VERIZON -7041	Billing Date 7/7/09
8/7/2009	\$134.44		VERIZON -7041	Billing Date 8/7/09
9/7/2009	\$132.93		VERIZON -7041	Billing date 9/7/09
10/7/2009	\$133.43		VERIZON -7041	Billing date 10/7/09
11/7/2009	\$133.79		VERIZON -7041	Billing Date 11/7/09
12/7/2009	\$136.76		VERIZON -7041	Billing date 12/7/09
1/7/2010	\$135.11		VERIZON -7041	Billing date 1/7/10
2/7/2010	\$134.35		VERIZON -7041	Billing date 2/7/10
3/7/2010	\$134.34		VERIZON -7041	Billing date 3/7/10
4/7/2010	\$134.72		VERIZON -7041	Billing date 4/7/10
5/7/2010	\$136.37		VERIZON -7041	billing ddate 5/7/2010
	\$2,520.41	\$2,520.41		
8/31/2009	\$286.56		VERIZON	INTERNET (FIRST BILL)
9/28/2009	\$69.99		VERIZON	INTERNET
10/28/2009	\$69.99		VERIZON	INTERNET
11/28/2009	\$69.99		VERIZON	INTERNET
12/28/2009	\$69.99		VERIZON	INTERNET
1/28/2010	\$69.99		VERIZON	INTERNET
2/28/2010	\$69.99		VERIZON	INTERNET
3/28/2010	\$69.99		VERIZON	INTERNET
4/28/2010	\$69.99		VERIZON	INTERNET
5/28/2010	\$69.99		VERIZON	INTERNET
	\$916.47	\$916.47		
<b>Trailer, Phone, Porta Potty &amp; Internet Total</b>				
		\$10,509.95		



EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 POTENTIAL EXTRAS/RECEIPTS  
 June 9, 2010

Potential capital extras	
Pipe conduit Conflicts	\$30,000
Controls	\$10,000
Sludge room retrofit	\$10,000
HVAC Thermostats	\$5,000
Cathode Protection	\$10,000
Treatment Tanks	\$50,000
Electrician (increase in wages)	\$20,000
UV Channel	\$11,357
<b>Total potential extras</b>	<b>\$146,357</b>
Potential Receipts	
H2O Grant Money	\$464,195
<b>Total Potential Receipts</b>	<b>\$464,195</b>

EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 CHANGE ORDERS  
 June 9, 2010

NO.	AMOUNT	APPROVED	WORK	STATUS	PAID
1	\$3,209.70	2/24/09	BLOWER #1 REPAIR	APPROVED	NO
4	\$5,542.80	5/11/09	BLOWER #2 REPAIR	APPROVED	NO
?	\$4,617.08	????	BLOWER #3 REPAIR	APPROVED	NO
3	\$2,703.00	12/14/09	ANTI-FLOT COLLAR	APPROVED	NO
5	\$6,784.65	12/14/09	LARGER MIXER FOR FLOC TANK	APPROVED	NO
15	\$4,494.52	12/14/09	REMOVABLE RAILS ON SBR TANK	APPROVED	NO
17	\$6,126.78	3/8/10	BLOWER #4 REPAIR	APPROVED	NO
8	-\$6,250.00	3/8/10	CREDIT FOR CAST IRON PIPE	APPROVED	NO
	-\$20,000.00	2/8/10	Credit for Electric Wages	APPROVED	NO
9	-\$50,000.00	2/8/10	Credit for paving	APPROVED	NO
19	\$27,702.20	5/20/10	air drops	APPROVED	NO
20	\$3,516.77	5/20/10	2 doors	APPROVED	NO
21	\$18,094.59	5/20/10	walkways	APPROVED	NO
22	-\$13,875.00	5/20/10	Credit for concrete	APPROVED	NO
	<b>-\$7,332.91</b>				

Total

CLINGER

1	\$5,106.00	Denied	EXTEND 34 KV LINES	DENIED	NO
2	\$23,585.00	7/1/09	CORNER UNIT FOR MCC	APPROVED	NO
3	\$3,171.00	4/12/10	SERVICE DISCONNECT	APPROVED	NO
			Applebrook Pump	APPROVED	NO
	<b>\$31,862.00</b>				

Total

**HAMMOND & MC CLOSKEY, INC.**  
**PLUMBING & HEATING**  
**1 CANNON HILL DRIVE**  
**WEST CHESTER, PA 19382**

**COPY** 25509

**Invoice**

Date	Invoice #
5/5/2010	4513

Phone #
610-793-0411

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_

Billing Address: <b>CHARGED TO: 0742-7452</b> East Goshen Township <i>Relocate water line</i> 1580 Paoli Pike West Chester, PA 19380
---

Job Address: East Goshen Township Ridley Creek Sewer Treatment Plant West Chester, PA 19380
--

Telephone #:	P.O. No.	Terms:
610-692-7171		Due on receipt

Description	Amount
4/28/10 - Rerouted main water line in office area. Installed new hose faucet outside office door.	
1 - 1" TecTite coupling	23.87
1 - 3/4" TecTite coupling	11.32
50' - 1" CPVC pipe	83.50
10' - 3/4" CPVC pipe	8.20
8 - 1" CPVC ells	26.24
4 - 1" CPVC couplings	11.28
1 - 1" x 3/4" CPVC tee	4.21
6 - 2-1/8" unistrut pipe clamps	137.88
1 - 1" CxC ball valve	19.60
1 - 3/4" CxC ball valve	12.05
1 - 3/4" CxF drop ear ell	14.79
1 - 3/4" hose bibb	12.90
2 - 3/4" CxC ells 45 degrees	15.40
1" CxC 90 degree ell	13.30
30' - 1-1/8" pipe insulation	59.40
10' - 3/4" type-L copper tubing	48.60
2 - 3/4" CxC ells 90 degrees	10.84
misc. shop supplies (glue, anchors, solder, etc)	15.00
5.5 HRS. @ \$100 HR.	550.00
Thank you! We appreciate the opportunity to serve you and the confidence you have placed in us.	
<b>Total</b>	<b>\$1,078.38</b>

TERMS: NET DUE UPON RECEIPT; \$25 charge for checks returned NSF;  
 \$20 charge to transfer accounts to Transworld Systems for collection.

HAMMOND & MC CLOSKEY, INC.  
 PLUMBING & HEATING  
 1 CANNON HILL DRIVE  
 WEST CHESTER, PA 19382

**COPY** 25509

**Invoice**

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07-129-745-1

Phone #
610-793-0411

Date	Invoice #
5/5/2010	4523

<b>Billing Address:</b> Press RM
East Goshen Township 1580 Paoli Pike West Chester, PA 19380

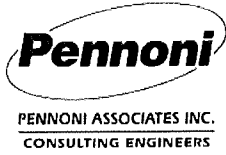
<b>Job Address:</b>
East Goshen Township Ridley Creek Sewer Treatment West Chester, PA 19380

Telephone #:	P.O. No.	Terms:
610-692-7171		Due on receipt

Description	Amount
5/5/10 - Installed hose fitting in storage room. Ran hose to sludge room and tied into PVC water line for press.	
2 HRS. @ \$100 HR.	200.00
1 - 3/4" hose faucet	11.30
1 - 3/4" x 1/2" x 1/2" brass tee	9.90
1 - 1/2" brass nipple	11.10
1 - 1" PVC S/40 tee	2.10
1 - 1" PVC S/40 "M" adapter	1.97
1 - 1" x 3/4" brass reducing coupling	14.10
1 - 1/2" x 3/4" CxM adapter	8.14
1' - 1/2" type "L" copper tubing	3.10
2 - S/S gear clamps	4.90
1 - 4' clothes washer hose	3.49

We appreciate your business and look forward to serving you again.	<b>Total</b>	\$270.10
--	--------------	----------

TERMS: NET DUE UPON RECEIPT; \$25 charge for checks returned NSF;  
 \$20 charge to transfer accounts to Transworld Systems for collection.



**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 # : 440011**  
**Invoice Date : 05/25/2010**  
**Project : EGMA0707**  
**Project Name : RCSTP Expansion**

**For Services Rendered through: 05/16/2010**

Construction meetings with contractors and Township; construction management; shop drawing and schedule review; site observation of construction and consultation with Township regarding same. Additional effort this invoice period has included Phase 2 start-up; review of the mixed liquor transfer from existing system to new SBR tanks with operator; troubleshooting control problems with UV system, effluent weir plate, and SBR #3 overload; responses to Contractor RFIs; schedule reviews; and review/negotiations of change orders with Township and contractors.

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.	\$121,700.00	\$91,817.98		\$111,105.48	\$19,287.50
<b>Total :</b>		<b>\$644,700.00</b>	<b>\$614,683.78</b>		<b>\$633,971.28</b>	<b>\$19,287.50</b>

**Amount Due This Invoice**

**\$19,287.50**

*OK RS  
6-2-10*

East Goshen Municipal Authority  
EGMA0707 Invoice Summary  
Invoice Date 05-25-2010

**Project:** RCSTP Expansion and Upgrade  
**Pennoni Job No.:** EGMA0707  
**Invoice No:** 440011  
**Invoice Period:** 4/19/2010 to 5/16/2010  
**Initial Authorization:** \$ 465,000.00 **Date:** 8/14/2007  
**Changes:** \$ - **Date:** 2/5/2009  
**Changes:** \$ 58,000.00 **Date:** 5/11/2009  
**Changes:** \$ 99,700.00 **Date:** 1/11/2010  
**Changes:** \$ 22,000.00 **Date:** 5/10/2010  
**Contract Amount:** \$ 644,700.00  
**Previously Invoiced:** \$ 614,683.78  
**Current Invoice:** \$ 19,287.50  
**Invoiced to Date (\$):** \$ 633,971.28  
**Invoiced to Date (%):** 98%  
**Remaining Budget (\$):** \$ 10,728.72  
**Remaining Budget (%):** 2%

**Budget by Phase:**

Phase No.	05	06	10
Phase Name:	Construction	Additional Engineering	Continued Eng Svcs
<b>Phase Budget:</b>	\$ 88,200.00	\$ 10,000.00	\$ 99,700.00
<b>Changes:</b>	\$ 48,000.00	\$ 10,000.00	\$ 22,000.00
<b>Contract Amount:</b>	\$ 136,200.00	\$ 20,000.00	\$ 121,700.00
<b>Previously Invoiced:</b>	\$ 136,197.62	\$ 16,469.18	\$ 91,817.98
<b>Current Invoice:</b>	\$ -	\$ 3,528.00	\$ 19,287.50
<b>Invoiced to Date (\$):</b>	\$ 136,197.62	\$ 19,997.18	\$ 111,105.48
<b>Invoiced to Date (%):</b>	100%	100%	91%
<b>Remaining Budget (\$):</b>	\$ 2.38	\$ 2.82	\$ 10,594.52
<b>Remaining Budget (%):</b>	0%	0%	11%

**Comments: Phase 10 - Continued Engineering Services**

Construction meetings with contractors and Township; construction management; shop drawing and schedule review; and site observation of construction. Consultation with Township regarding same.

Additional effort this invoice period has included Phase 2 start-up; review of the mixed liquor transfer from existing system to new SBR tanks with operator; troubleshooting problems with UV system, effluent weir plate and SBR #3 overload; responses to Contractor RFIs; schedule reviews; tracking pressure test failure; and review/negotiations of change orders with Township and contractors.

Invoiced effort does not include effort related to responding to the Electrical Contractor's letter of 3/15/2010.

East Goshen Municipal Authority  
EGMA0707 Invoice Summary  
Invoice Date 05-25-2010

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

<b>Category</b>	<b>Previous Hrs.</b>	<b>Current</b>	<b>Total Hrs.</b>
Authority Engineer	72.75	23.00	95.75
Senior Engineer	259.50	25.00	284.50
Senior Designer	98.00	30.00	128.00
Project Engineer	49.00	35.00	84.00
Associate Engineer	7.00	0.00	7.00
Graduate Engineer	43.00	0.00	43.00
Project Representative/Inspector	2.50	0.00	2.50
Technical Specialist (McAloon)	541.00	115.50	656.50
Engineering Technician I	13.50	0.00	13.50
Administrative Assistant I	0.50	0.00	0.50
<b>Totals</b>	<b>862.75</b>	<b>228.50</b>	<b>1315.25</b>

**Budget/Schedule Status (November to June):**

**Schedule % = 88%**  
**Budget % = 91%**



**Fisher Scientific**

Part of Thermo Fisher Scientific

REMIT TO:  
 ACCT# 026655-001  
 P.O. BOX 3648  
 BOSTON MA  
 02241-3648

INQUIRE AT: (800) 766-7000  
 4500 TURNBERRY DRIVE  
 HANOVER PARK IL  
 60133

D-U-N-S-00-432-1519  
 FEIN 23-2942737  
 ORIGINAL INVOICE

PLEASE REFER TO THIS INVOICE  
 NUMBER ON YOUR REMITTANCE

CUSTOMER PURCHASE ORDER NUMBER - RELEASE NUMBER  
 RIDLEY CREEK SEWAGE TREATMENT PLANT

INV. DATE  
 05/03/2010

3461600

**COPY**

ORDER NO. H01161270	ACCOUNT NO. 026655-001	CSO CHI	F.O.B. SHIPPING POINT	ORDER ENTRY DATE 04/26/2010	PAGE 1	DUPLICATE
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SOLD TO:

SHIP TO:

INVOICE TYPE:  
 NOR FON CON

EAST GOSHEN TOWNSHIP  
 1580 PAOLI PIKE  
 WEST CHESTER PA 19380-6107

MARK MILLER  
 EAST GOSHEN TOWNSHIP  
 1580 PAOLI PIKE  
 WEST CHESTER PA 19380-6107

THIS IS A  
 PARTIAL   
 SHIPMENT

DUE: 06/02/2010  
 TERMS: NET 30 DAYS FROM INVOICE DATE.  
 PAYABLE IN U.S. CURRENCY.

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07424-7452

Visit: [www.fishersci.com](http://www.fishersci.com)

DESCRIPTION	CATALOG NUMBER	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
CALLER-MARK MILLER PHONE-610-692-7171				
SHIPMENT NBR: 003 FROM: MWD ON: 05/03/2010				
DESICCATOR PASOLINA W/O HANDLE	08 647 44	1 EA	366.29	366.29
SHIPMENT NBR: 004 FROM: VND ON: 05/01/2010				
PRECISION PRE MECH OV 2.5 120V	11 475 138	1 EA	1,883.90	1,883.90
MERCHANDISE SUBTOTAL				2,250.19
SHIPPING				8.34
DIRECT SHIPMENT CHARGE				70.64
TOTAL INVOICE AMOUNT				2,329.17
FOR YOUR PROTECTION, OUR COMPANY DOES NOT ACCEPT CREDIT CARD NUMBERS VIA FAX OR EMAIL				
TELL US ABOUT YOUR RECENT CUSTOMER SERVICE EXPERIENCE BY COMPLETING A SHORT SURVEY. THIS SHOULD TAKE NO LONGER THAN THREE MINUTES. ENTER THE LINK INTO YOUR BROWSER AND ENTER THE PASSCODE SHOWN.				
<a href="http://survey.medallia.com/fishersci">http://survey.medallia.com/fishersci</a> PASSCODE: USA-PGH-CS1				
PLEASE USE REMIT TO ADDRESS ABOVE AND INCLUDE DEPT. NBR.				

See reverse side for complete terms and conditions or visit <http://www.fishersci.com/wps/portal/CMSTATIC?href=Footer/landcsale.jsp>

PAST DUE BALANCES ARE SUBJECT TO A FINANCE CHARGE. THIS SHIPMENT WAS DELIVERED IN PERFECT CONDITION AND SIGNED FOR BY THE TRANSPORTATION COMPANY. CONSIGNORS RESPONSIBILITY CEASES UPON DELIVERY OF GOODS TO CARRIER. DO NOT ACCEPT SHIPMENT SHOWING EVIDENCE OF DAMAGE OR SHORTAGE UNTIL AGENT OF CARRIER ENDORSES NOTATION TO THIS EFFECT ON FACE OF TRANSPORTATION RECEIPT. WITHOUT THIS DOCUMENTARY EVIDENCE CLAIM CANNOT BE FILED. SELLER CERTIFIES THAT ALL GOODS (OR SERVICES) COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACTS OF 1938, AS AMENDED, AND OF THE REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.  
 NO CREDIT WILL BE ALLOWED FOR MERCHANDISE RETURNED WITHOUT PRIOR AUTHORIZATION.

THE PRICES SHOWN ON THIS INVOICE ARE NET OF DISCOUNTS PROVIDED AT THE TIME OF PURCHASE. SOME PRODUCTS MAY BE SUBJECT TO ADDITIONAL DISCOUNTS AGREED UPON BETWEEN THE PARTIES.





Part of Thermo Fisher Scientific

REMIT TO: ACCT# 026655-001 P.O. BOX 3648 BOSTON MA 02241-3648

INQUIRE AT: (800) 766-7000 4500 TURNBERRY DRIVE HANOVER PARK IL 60133

D-U-N-S-00-432-1519 FEIN 23-2942737 ORIGINAL INVOICE

PLEASE REFER TO THIS INVOICE NUMBER ON YOUR REMITTANCE

COPY

CUSTOMER PURCHASE ORDER NUMBER - RELEASE NUMBER RIDLEY CREEK SEWAGE TREATMENT PLANT

INV. DATE 05/12/2010

3781979

ORDER NO. H01161270	ACCOUNT NO. 026655-001	CSO CHI	F.O.B. SHIPPING POINT	ORDER ENTRY DATE 04/26/2010	PAGE 1	DUPLICATE
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SOLD TO:

RECEIVED BY: \_\_\_\_\_

SHIP TO: MARK MILLER EAST GOSHEN TOWNSHIP 1580 PAOLI PIKE WEST CHESTER PA 19380-6107

INVOICE TYPE: NOR FON CON

THIS IS A PARTIAL SHIPMENT

EAST GOSHEN TOWNSHIP 1580 PAOLI PIKE WEST CHESTER PA 19380-6107

MAY 17 2010

DUE: 06/11/2010 TERMS: NET 30 DAYS FROM INVOICE DATE. PAYABLE IN U.S. CURRENCY.

Visit: www.fishersci.com

DESCRIPTION	CATALOG NUMBER	QUANTITY SHIPPED	UNIT PRICE	AMOUNT
CALLER-MARK MILLER PHONE-610-692-7171				
SHIPMENT NBR: 005 FROM: VND ON: 05/11/2010				
BT MUFFLE FURN MAN 120V50/60HZ	10 554 5	1 EA	1,401.54	1,401.54
MERCHANDISE SUBTOTAL				1,401.54
DIRECT SHIPMENT CHARGE				84.09
TOTAL INVOICE AMOUNT				1,485.63
FOR YOUR PROTECTION, OUR COMPANY DOES NOT ACCEPT CREDIT CARD NUMBERS VIA FAX OR EMAIL				
TELL US ABOUT YOUR RECENT CUSTOMER SERVICE EXPERIENCE BY COMPLETING A SHORT SURVEY. THIS SHOULD TAKE NO LONGER THAN THREE MINUTES. ENTER THE LINK INTO YOUR BROWSER AND ENTER THE PASSCODE SHOWN				
<a href="http://survey.medallia.com/fishersci">http://survey.medallia.com/fishersci</a> PASSCODE: USA-PGH-CS1				
PLEASE USE REMIT TO ADDRESS ABOVE AND INCLUDE DEPT. NBR.				
APPROVED BY: _____ DATE PAID: _____ CHECK #: _____ CHARGED TO: 07424-7452 Lab Equip.				

See reverse side for complete terms and conditions or visit <http://www.fishersci.com/wps/portal/CMSTATIC?href=Footer/landcsale.jsp>

PAST DUE BALANCES ARE SUBJECT TO A FINANCE CHARGE. THIS SHIPMENT WAS DELIVERED IN PERFECT CONDITION AND SIGNED FOR BY THE TRANSPORTATION COMPANY. CONSIGNORS RESPONSIBILITY CEASES UPON DELIVERY OF GOODS TO CARRIER. DO NOT ACCEPT SHIPMENT SHOWING EVIDENCE OF DAMAGE OR SHORTAGE UNTIL AGENT OF CARRIER ENDORSES NOTATION TO THIS EFFECT ON FACE OF TRANSPORTATION RECEIPT. WITHOUT THIS DOCUMENTARY EVIDENCE CLAIM CANNOT BE FILED. SELLER CERTIFIES THAT ALL GOODS (OR SERVICES) COVERED BY THIS INVOICE WERE PRODUCED IN COMPLIANCE WITH ALL APPLICABLE REQUIREMENTS OF SECTIONS 6, 7, AND 12 OF THE FAIR LABOR STANDARDS ACTS OF 1938, AS AMENDED, AND OF THE REGULATIONS AND ORDERS OF THE UNITED STATES DEPARTMENT OF LABOR ISSUED UNDER SECTION 14 THEREOF.

NO CREDIT WILL BE ALLOWED FOR MERCHANDISE RETURNED WITHOUT PRIOR AUTHORIZATION.

THE PRICES SHOWN ON THIS INVOICE ARE NET OF DISCOUNTS PROVIDED AT THE TIME OF PURCHASE. SOME PRODUCTS MAY BE SUBJECT TO ADDITIONAL DISCOUNTS AGREED UPON BETWEEN THE PARTIES.

**Aqua Wastewater Management, Inc.**

PO Box 822552  
 Philadelphia, PA 19182-2552  
 Customer Service (215) 799-2200  
 Toll-Free (800) 338-9271  
 Fax (215) 799-2205

**Invoice**

Number: 117366      Order Num 161112  
 Date: 28-May-2010      Serviced 15-May-2010  
 P.O. Number:  
 Job Description: 2-tank cleanings

BILL TO:      69434

East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380

JOB SITE

Ridley Creek STP  
 Town Drive & Line Road  
 West Chester, PA

Quantity	ServiceType	Amount	Tax	Warranty & Expiration	Extension
1	Disposal Charges	\$5,184.00	No	0 Days	\$5,184.00
TOTAL OF 54 TONS OF GRIT @ 96.00-A TON-SEE ATTACHED BREAKDOWN					
1	Disposal Charges	\$34,753.70	No	0 Days	\$34,753.70
TOTAL OF 153,100 GALLONS OF SLUDGE @ .227 A GALLON-SEE ATTACHED BREAKDOWN					

Taxable Amount	Tax Rate	Tax Description	Subtotal NonTaxed:	\$39,937.70
\$0.00	0	\$0.00 PA Tax Exempt	Subtotal Taxable:	\$0.00
Payment Terms	Payment	Adjustment	Late Charge	Subtotal Tax:
Net 30	\$0.00	\$0.00	\$0.00	\$0.00
				<b>Please Pay: \$39,937.70</b>

*(Signature)*  
 APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07424-7952

PA State Homeowner Protection Act, Registration #PA022859

A LATE CHARGE FEE OF 1.5% PER MONTH WILL BE APPLIED TO OVERDUE ACCOUNTS.

**From:** Please detach here and return the bottom portion with your payment.

East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380

Order No.	Invoice No.	Date	Amount Due
161112	117366	28-May-2010	<b>\$39,937.70</b>
			Serviced 15-May-2010

**To:**

**AS - Aqua Wastewater Management, Inc.**  
 PO Box 822552  
 Philadelphia, PA 19182-2552

OK to pay  
 New SPMA 6/9/2010



Remit to:  
 P.O. Box 9004  
 Gurnee, IL 60031-9004

TEL: (847) 689-9781  
 FAX: (847) 689-3001  
 TOLL FREE: 800-833-9886  
 F.E.I.N.: 52-2418852

AM 11 03

INVOICE NO.	PAGE NO.
155755	1 of 1
CUSTOMER NO.	DATE
796821	05/21/10

BILL TO: 796821  
 EAST GOSHEN TOWNSHIP  
 PW DEPT  
 1580 PAOLI PIKE  
 WEST CHESTER PA 19380  
 USA

SHIP TO: SAME  
 EAST GOSHEN TOWNSHIP  
 PW DEPT  
 1580 PAOLI PIKE  
 WEST CHESTER PA 19380  
 USA

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07424-7452

ATTN MARK MILLER

CUSTOMER P.O. NO.	SHIP DATE	SLP	TERMS	TAX CODE	SALES ORDER NO.	W/H	FREIGHT	SHIP VIA
PER MARK	05/21/10	CHH	NET 30	PAEXEMPT	795306	01	PREPAID	UPS

USA STOCK NO.	DESCRIPTION	ORDERED	SHIPPED	BACK ORDER	U/M	PRICE	PER	EXTENSION
34860	Griffin Low Form Beaker 1000ml Polypropylene, Nalgene PK/3	4	4	0	PK	34.15	PK	136.60
41332	Nalgene Settleometer, Jar & Lid Only - No Accessories	3	3	0	EA	99.95	EA	299.85

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: \_\_\_\_\_

**THANK YOU for your business!**  
 1.5% MONTHLY FINANCE CHARGE  
 ON AMOUNTS 30 DAYS PAST DUE  
 Discounts Apply to Merchandise Only

MERCHANDISE	MISCELLANEOUS	DISCOUNT	TAX	FREIGHT	TOTAL
436.45	.00	.00	.00	20.36	456.81

Should it become necessary to refer your unpaid balance to a collection agency, a collection fee, not to exceed 25% of the balance referred; plus reasonable attorney's fees; and court costs when necessary, will be added to the balance due.

Please Detach and Return Bottom Portion to Insure Proper Credit to Your Account

**\*\*\*\*IMPORTANT\*\*\*\***  
 Please include this customer #  
 on the face of your remittance check.



CUSTOMER NO.	INVOICE NO.	DATE	TOTAL
796821	155755	05/21/10	456.81

MA



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  
05/31/2010  
Client No: 6604-01M  
Invoice No. 79963

General Authority Services

Fees

		Hours	
05/10/2010	RFA		
	Review packet for 5/10/10 meeting of Authority; attend regular meeting of Authority.	3.50	
	For Current Services Rendered	3.50	665.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	3.50	\$190.00	\$665.00

Previous Balance \$627.00

Total Current Charges 665.00

05/19/2010 Fee Payment -627.00

Balance Due \$665.00

6/19/10  
OK R S

\$665.00

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.



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  
05/31/2010  
Client No: 6604-06M  
Invoice No. 79964

Ridley Creek Treatment Plant Upgrades/ Expansion

Fees

Hours

05/12/2010	RFA	Review RCSTP contract regarding percentage payment issue and releases of liens; telephone conference with Rick Smith regarding contract provisions regarding payment to contractor.	1.00	
05/13/2010	RFA	Review messages from Rick Smith regarding need for special meeting of Authority.	0.30	
05/14/2010	RFA	Review message from Evan Andrews regarding special meeting of Authority; review message from Rick Smith regarding special meeting.	0.60	
05/17/2010	RFA	Review letter from L. Smith to Clinger of 5/11/10.	0.30	
05/19/2010	RFA	Review agenda for special meeting of Authority 5/20/10; telephone conference with Rick Smith regarding special meeting of Municipal Authority.	0.70	
05/20/2010	RFA	Attend special meeting of Municipal Authority to act on Worth invoice and change orders.	1.20	
05/21/2010	RFA	Review message from Mark Miller regarding Ridley Creek STP sludge room walls.	0.30	
		For Current Services Rendered	4.40	836.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	4.40	\$190.00	\$836.00

East Goshen Municipal Authority

Page: 2

05/31/2010

Client No:

6604-06M

Invoice No.

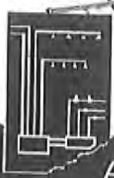
79964

Ridley Creek Treatment Plant Upgrades/ Expansion

	Previous Balance	\$1,330.00
	Total Current Charges	836.00
05/19/2010	Fee Payment	-304.00
	Balance Due	<u>\$1,862.00</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.

M A R C O



**MARCO INCORPORATED**  
 320 Commerce Drive - Exton, PA. 19341  
 Phone 610/363-2233 Fax 610/363-2866

**FIRE SUPPRESSION SPECIALISTS**

**THANK YOU  
 WE APPRECIATE  
 YOUR BUSINESS**

IF YOU HAVE A  
 PROBLEM PLEASE  
 CALL US AT  
 610/363-2233

**SC Invoice**

Invoice No. **064873**  
 Date 04/29/2010  
 Order No. SC00062840  
 Contract No  
 Cust ID EAST1580  
 Page 1 of 1

**BILL TO:**

EAST GOSHEN TOWNSHIP  
 MARK S MILLER  
 1580 PAOLI PIKE  
 WEST CHESTER, PA 19380

**SHIP TO:**

EAST GOSHEN TOWNSHIP  
 MARK S MILLER  
 1580 PAOLI PIKE  
 WEST CHESTER, PA 19380 Ph (610) 692-8950

F.O.B. POINT	SHIP VIA	TERMS	CUSTOMER P.O. NO.	ORDERED BY	SALES PER
--------------	----------	-------	-------------------	------------	-----------

		Net 15 Days	-	MARK S MILLER	0904
--	--	-------------	---	---------------	------

ITEM NUMBER AND DESCRIPTION	QTY SHIP	UNITS	PRICE	EXT. PRICE
111MPX010131 10 LB. MP DRY CHEM PORT FX 4A:80B:C (ABC10-W STRIKE FIRST)	3.00	EACH	86.00	258.00

APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07424.7452

**COPY**



**Contractor License Information**

PA PA014526	DE FSL0111	NJ P00032
Phila. 20674	MD MSC-184	VA 2705-101354A

Please Remit To:

**Marco Incorporated - 320 Commerce Drive Exton, Pa. 19341**

Sales Total	SalesTax	TOTAL
258.00	.00	258.00

OUR FEDERAL ID  
 NUMBER IS 23-1908247

A Service Charge of 1.5% (\$ 1.00 min) per Month  
 Will be Added to all Past Due Accounts.

To insure your account is credited Please  
 put the invoice number on Your Check.

**PLEASE PAY THIS INVOICE NO  
 STATEMENT WILL BE SENT.**

# Application and Certificate For Payment

<b>To Owner:</b> East Goshen Municipal Authority 1580 Paoli Pike West Chester, PA 19380  <b>From (Contractor):</b> Worth and Company, Inc. 6263 Kellers Church Road Pipersville, PA 18947  <b>Phone:</b> 267 362-1100	<b>Project:</b> Ridley Creek WWTP 1751 Towne Road Fred Papiernik 267-278-6108 West Chester, PA 19380  <b>Contractor Job Number:</b> P28001 <b>Via (Architect):</b> <b>Contract For:</b>	<b>Application No:</b> 18 <b>Period To:</b> 05/31/10 <b>Architect's Project No:</b> <b>Contract Date:</b> 10/22/08 <b>Date:</b> 05/31/2010
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## Contractor's Application For Payment

Change Order Summary	Additions	Deductions												
Change orders approved in previous months by owner														
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:15%;">Number</th> <th style="width:45%;">Date Approved</th> <th style="width:40%;">Change</th> </tr> </thead> <tbody> <tr> <td>CO-001</td> <td>05/31/10</td> <td style="text-align: right;">-42,648.25</td> </tr> <tr> <td>CO-002</td> <td>05/31/10</td> <td style="text-align: right;">11,234.03</td> </tr> <tr> <td>CO-003</td> <td>05/31/10</td> <td style="text-align: right;">35,438.56</td> </tr> </tbody> </table>	Number	Date Approved	Change	CO-001	05/31/10	-42,648.25	CO-002	05/31/10	11,234.03	CO-003	05/31/10	35,438.56		
Number	Date Approved	Change												
CO-001	05/31/10	-42,648.25												
CO-002	05/31/10	11,234.03												
CO-003	05/31/10	35,438.56												
<b>Totals</b>	46,672.59	-42,648.25												
<b>Net change by change orders</b>	<b>4,024.34</b>													

Original contract sum	7,865,400.00
Net change by change orders	4,024.34
Contract sum to date	7,869,424.34
Total completed and stored to date Retainage	6,751,539.34
5.0% of completed work	337,576.97
0.0% of stored material	0.00
Total retainage	337,576.97
Total earned less retainage	6,413,962.37
Less previous certificates of payment	6,235,671.75
<b>Current payment due</b>	<b>178,290.62</b>
Balance to finish, including retainage	1,455,461.97

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information, and belief the work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown herein is now due.

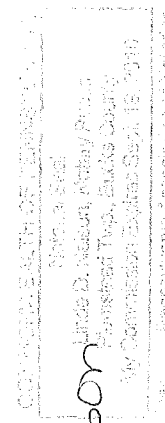
Contractor: Oru Barman Date: 6/3/10

State of: PA County of: Bucks

Subscribed and sworn to before me this 3rd day of June

2010 (Year). Notary public: Sandra D. Nelson

My commission expires \_\_\_\_\_



## Architect's Certificate for Payment

In accordance with the Contract Documents, based on on-site observations and the data comprising the above application the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the Amount Certified.

Amount Certified: \$ 178,290.62

Architect: [Signature] Date: 6/10/10

This Certification is not negotiable. The Amount Certified is payable only to the Contractor named herein. Issuance, payment, and acceptance of payment are without prejudice to any rights of the Owner or Contractor under this Contract.



# Application and Certificate For Payment -- page 2

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed			Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period							
CO-001	Blower Repairs	3,209.70	0.00	3,209.70	0.00	3,209.70	100.00	0.00	160.49		
CO-001A	Anit Flotation Collar	2,703.00	0.00	2,703.00	0.00	2,703.00	100.00	0.00	135.15		
CO-001B	Blower 2 repairs	5,542.80	0.00	5,542.80	0.00	5,542.80	100.00	0.00	277.14		
CO-001C	Top Entry Mixer change	6,784.65	0.00	6,784.65	0.00	6,784.65	100.00	0.00	339.23		
CO-001D	SBR Handrail	4,494.52	0.00	4,494.52	0.00	4,494.52	100.00	0.00	224.73		
CO-001E	Blower 3 Repairs	4,617.08	0.00	4,617.08	0.00	4,617.08	100.00	0.00	230.85		
CO-001F	Paving Credit	-50,000.00	0.00	-50,000.00	0.00	-50,000.00	100.00	0.00	-2,500.00		
CO-001G	SBR Wall Credit	-20,000.00	0.00	-20,000.00	0.00	-20,000.00	100.00	0.00	-1,000.00		
CO-002	PVC Credit Lieu of Cast Iron	-6,250.00	0.00	-6,250.00	0.00	-6,250.00	100.00	0.00	-312.50		
CO-002A	Concrete Wall @ UV Channel	11,357.25	0.00	11,357.25	0.00	11,357.25	100.00	0.00	567.86		
CO-002B	Blower 4 Repairs	6,126.78	0.00	6,126.78	0.00	6,126.78	100.00	0.00	306.34		
CO-003	(24) Air Drops	27,702.20	0.00	27,702.20	0.00	27,702.20	100.00	0.00	1,385.11		
CO-003A	New Doors	3,516.77	0.00	3,516.77	0.00	3,516.77	100.00	0.00	175.84		
CO-003B	Paint Digester Walkway	18,094.59	0.00	18,094.59	0.00	18,094.59	100.00	0.00	904.73		
CO-003C	Digester Concrete Credit	-13,875.00	0.00	-13,875.00	0.00	-13,875.00	100.00	0.00	-693.75		
	<b>Subtotal</b>	<b>4,024.34</b>	<b>0.00</b>	<b>4,024.34</b>	<b>0.00</b>	<b>4,024.34</b>	<b>100.00</b>	<b>0.00</b>	<b>201.22</b>		
<b>G1-000</b>	<b>Site Work &amp; Yard Piping</b>										
G1-001	Bonds	160,000.00	160,000.00	0.00	0.00	160,000.00	100.00	0.00	8,000.00		
G1-002	Insurance	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00	0.00	2,500.00		
G1-003	Mobilization	100,000.00	100,000.00	0.00	0.00	100,000.00	100.00	0.00	5,000.00		
G1-004	Pre-Planning/Schedule	20,000.00	16,000.00	4,000.00	0.00	20,000.00	100.00	0.00	1,000.00		
G1-005	Submittals - Dutchland	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00		
G1-006	Submittals - Jet Tech	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00		
G1-007	E & S Controls	25,000.00	15,000.00	0.00	0.00	15,000.00	60.00	10,000.00	750.00		
G1-008	Strip Topsoil	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00	0.00	2,500.00		
G1-009	Temporary Seed	5,000.00	3,000.00	0.00	0.00	3,000.00	60.00	2,000.00	150.00		

# Application and Certificate For Payment -- page 3

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period						
G1-010	Bioretention Basin 1	20,000.00	0.00	0.00	0.00	0.00	0.00	20,000.00	0.00	
G1-011	Bioretention Basin 2	20,000.00	5,000.00	0.00	0.00	5,000.00	25.00	15,000.00	250.00	
G1-012	Temporary Fence	9,000.00	6,300.00	0.00	0.00	6,300.00	70.00	2,700.00	315.00	
G1-013	Influent Force Main	85,000.00	85,000.00	0.00	0.00	85,000.00	100.00	0.00	4,250.00	
G1-014	Filter Feed Force Main	85,000.00	85,000.00	0.00	0.00	85,000.00	100.00	0.00	4,250.00	
G1-015	Filter Effluent	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00	0.00	2,750.00	
G1-016	System Effluent	55,000.00	55,000.00	0.00	0.00	55,000.00	100.00	0.00	2,750.00	
G1-017	Filter Feed Pump Suction	25,000.00	0.00	22,500.00	0.00	22,500.00	90.00	2,500.00	1,125.00	
G1-018	Filter Feed Pump Discharge	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
G1-019	Flocculation Tank to Filters	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00	0.00	2,500.00	
G1-020	4" WAS	45,000.00	4,500.00	0.00	0.00	4,500.00	10.00	40,500.00	225.00	
G1-021	Yard Drain	70,000.00	52,500.00	0.00	0.00	52,500.00	75.00	17,500.00	2,625.00	
G1-022	Sludge Pump Suction	25,000.00	0.00	12,500.00	0.00	12,500.00	50.00	12,500.00	625.00	
G1-023	Relocate Air Lines	20,000.00	0.00	0.00	0.00	0.00	0.00	20,000.00	0.00	
G1-024	Influent	45,000.00	45,000.00	0.00	0.00	45,000.00	100.00	0.00	2,250.00	
G1-025	Utility Water	75,000.00	63,750.00	0.00	0.00	63,750.00	85.00	11,250.00	3,187.50	
G1-026	Apple Brook Discharge	15,000.00	14,250.00	0.00	0.00	14,250.00	95.00	750.00	712.50	
G1-027	PVC Chemical Carrier Pipe	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
G1-028	Potable Water	45,000.00	38,250.00	6,750.00	0.00	45,000.00	100.00	0.00	2,250.00	
G1-029	8" Underdrain	40,000.00	30,000.00	0.00	0.00	30,000.00	75.00	10,000.00	1,500.00	
G1-030	1" Compressed Air	15,000.00	3,750.00	11,250.00	0.00	15,000.00	100.00	0.00	750.00	
G1-031	Sidewalks	15,000.00	0.00	0.00	0.00	0.00	0.00	15,000.00	0.00	
G1-032	VOID									
G1-033	VOID									
G1-034	Block	1,000.00	1,000.00	0.00	0.00	1,000.00	100.00	0.00	50.00	
G1-035	Chain Link Fence	30,000.00	0.00	0.00	0.00	0.00	0.00	30,000.00	0.00	

# Application and Certificate For Payment -- page 4

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period						
G1-036	Demo Existing Fence	10,000.00	5,000.00	0.00	0.00	5,000.00	50.00	5,000.00	250.00	
	<b>Subtotal</b>	<b>1,345,000.00</b>	<b>1,073,300.00</b>	<b>57,000.00</b>	<b>0.00</b>	<b>1,130,300.00</b>	<b>84.04</b>	<b>214,700.00</b>	<b>56,515.00</b>	
<b>G2-000</b>	<b>Pump Station &amp; Valve Vault</b>									
G2-001	Excavate Pump Station	52,000.00	52,000.00	0.00	0.00	52,000.00	100.00	0.00	2,600.00	
G2-002	Install Precast Pump Station	68,000.00	68,000.00	0.00	0.00	68,000.00	100.00	0.00	3,400.00	
G2-003	Install Anti-Flotation Collar	3,500.00	3,500.00	0.00	0.00	3,500.00	100.00	0.00	175.00	
G2-004	Backfill Pump Station	12,000.00	12,000.00	0.00	0.00	12,000.00	100.00	0.00	600.00	
G2-005	Excavate Valve Vault	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00	
G2-006	Install Valve Vault	28,000.00	28,000.00	0.00	0.00	28,000.00	100.00	0.00	1,400.00	
G2-007	Backfill Valve Vault	7,500.00	7,500.00	0.00	0.00	7,500.00	100.00	0.00	375.00	
G2-008	Painting	9,000.00	9,000.00	0.00	0.00	9,000.00	100.00	0.00	450.00	
G2-009	Pipe/Valves/Fittings	15,000.00	14,250.00	750.00	0.00	15,000.00	100.00	0.00	750.00	
G2-010	Influent Pumps	65,000.00	65,000.00	0.00	0.00	65,000.00	100.00	0.00	3,250.00	
	<b>Subtotal</b>	<b>275,000.00</b>	<b>274,250.00</b>	<b>750.00</b>	<b>0.00</b>	<b>275,000.00</b>	<b>100.00</b>	<b>0.00</b>	<b>13,750.00</b>	
<b>G3-000</b>	<b>Screen Building</b>									
G3-001	Excavate Screen Bldg; Elev 13'	38,000.00	38,000.00	0.00	0.00	38,000.00	100.00	0.00	1,900.00	
G3-002	Stone Underslab	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00	
G3-003	Form/Pour 18" Thick Slab	39,000.00	39,000.00	0.00	0.00	39,000.00	100.00	0.00	1,950.00	
G3-004	Form/Pour Exterior Walls	65,000.00	65,000.00	0.00	0.00	65,000.00	100.00	0.00	3,250.00	
G3-005	Backfill	12,000.00	10,800.00	0.00	0.00	10,800.00	90.00	1,200.00	540.00	
G3-006	Excavate Footers; Elev 28"	7,000.00	7,000.00	0.00	0.00	7,000.00	100.00	0.00	350.00	
G3-007	Form/Pour Footers	12,000.00	12,000.00	0.00	0.00	12,000.00	100.00	0.00	600.00	
G3-008	Install Masonry Frost Wall	9,000.00	9,000.00	0.00	0.00	9,000.00	100.00	0.00	450.00	
G3-009	Pour Slab	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00	
G3-010	Form/Pour Channel Walls	50,000.00	50,000.00	0.00	0.00	50,000.00	100.00	0.00	2,500.00	
G3-011	Install Exterior Masonry Walls	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00	0.00	1,500.00	

# Application and Certificate For Payment -- page 5

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed			Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period							
G3-012	Structural Steel	3,000.00	3,000.00	0.00	0.00	3,000.00	100.00	0.00	150.00		
G3-013	Misc Metals	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00		
G3-014	Rough Carpentry	24,000.00	24,000.00	0.00	0.00	24,000.00	100.00	0.00	1,200.00		
G3-015	Dryvit	18,000.00	18,000.00	0.00	0.00	18,000.00	100.00	0.00	900.00		
G3-016	FRP Grating	4,000.00	4,000.00	0.00	0.00	4,000.00	100.00	0.00	200.00		
G3-017	Hollow Metal & FRP Doors	1,500.00	1,500.00	0.00	0.00	1,500.00	100.00	0.00	75.00		
G3-018	Overhead Doors	17,500.00	17,500.00	0.00	0.00	17,500.00	100.00	0.00	875.00		
G3-019	Trolley & Hoist	2,000.00	2,000.00	0.00	0.00	2,000.00	100.00	0.00	100.00		
G3-020	Plumbing	5,000.00	5,000.00	0.00	0.00	5,000.00	100.00	0.00	250.00		
G3-021	HVAC	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00	0.00	500.00		
G3-022	Painting	12,000.00	12,000.00	0.00	0.00	12,000.00	100.00	0.00	600.00		
<b>G4-000</b>	<b>Subtotal</b>	<b>380,000.00</b>	<b>378,800.00</b>	<b>0.00</b>	<b>0.00</b>	<b>378,800.00</b>	<b>99.68</b>	<b>1,200.00</b>	<b>18,940.00</b>		
<b>G4-000</b>	<b>Grinder w/Rotating Screen &amp; Auger</b>										
G4-001	Screen	180,000.00	180,000.00	0.00	0.00	180,000.00	100.00	0.00	9,000.00		
<b>G5-000</b>	<b>Subtotal</b>	<b>180,000.00</b>	<b>180,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>180,000.00</b>	<b>100.00</b>	<b>0.00</b>	<b>9,000.00</b>		
<b>G5-000</b>	<b>Precast/Post Tensioned SBR Tanks</b>										
G5-001	Bulk Excavate SBR Structure	100,000.00	100,000.00	0.00	0.00	100,000.00	100.00	0.00	5,000.00		
G5-002	Stone Underslab-SBR Structure	30,000.00	30,000.00	0.00	0.00	30,000.00	100.00	0.00	1,500.00		
G5-003	Concrete Base Slab for SBR	690,000.00	690,000.00	0.00	0.00	690,000.00	100.00	0.00	34,500.00		
G5-004	Backfill Tank	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00		
G5-005	Walls & Walkways	750,000.00	750,000.00	0.00	0.00	750,000.00	100.00	0.00	37,500.00		
G5-006	Misc Metals	60,000.00	57,000.00	0.00	0.00	57,000.00	95.00	3,000.00	2,850.00		
<b>G6-000</b>	<b>Subtotal</b>	<b>1,650,000.00</b>	<b>1,647,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1,647,000.00</b>	<b>99.82</b>	<b>3,000.00</b>	<b>82,350.00</b>		
<b>G6-000</b>	<b>Treatment Building</b>										
G6-001	Excavate Footers	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00	0.00	2,000.00		
G6-002	Pour Footers	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00		

# Application and Certificate For Payment -- page 6

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18 Date: 05/31/10 Period To: 05/31/10  
 Contractor's Job Number: P28001  
 Architect's Project No:

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period						
G6-003	Pour Pier Footers	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00	0.00	500.00	
G6-004	Pour Piers	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00	
G6-005	Masonry Frost Walls	15,000.00	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00	
G6-006	Backfill	8,000.00	6,400.00	0.00	0.00	6,400.00	80.00	1,600.00	320.00	
G6-007	Stone Under Slab	6,000.00	6,000.00	0.00	0.00	6,000.00	100.00	0.00	300.00	
G6-008	Plumbing Under Slab	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00	0.00	500.00	
G6-009	Concrete Slab	18,000.00	17,100.00	0.00	0.00	17,100.00	95.00	900.00	855.00	
G6-010	Precast Flocculation Tank	35,000.00	35,000.00	0.00	0.00	35,000.00	100.00	0.00	1,750.00	
G6-011	Precast Effluent Storage Tank	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00	
G6-012	Poured In Place UV Channel	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
G6-013	Masonry	72,000.00	72,000.00	0.00	0.00	72,000.00	100.00	0.00	3,600.00	
G6-014	Structural Steel & Deck	28,000.00	28,000.00	0.00	0.00	28,000.00	100.00	0.00	1,400.00	
G6-015	Misc Metals	25,000.00	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
G6-016	FRP Grating	10,000.00	7,500.00	0.00	0.00	7,500.00	75.00	2,500.00	375.00	
G6-017	Dryvit	35,000.00	35,000.00	0.00	0.00	35,000.00	100.00	0.00	1,750.00	
G6-018	EPDM Roofing	40,000.00	40,000.00	0.00	0.00	40,000.00	100.00	0.00	2,000.00	
G6-019	Caulking	5,000.00	2,500.00	2,500.00	0.00	5,000.00	100.00	0.00	250.00	
G6-020	Hollow Metal & FRP Doors	2,500.00	2,250.00	0.00	0.00	2,250.00	90.00	250.00	112.50	
G6-021	Overhead Doors	19,500.00	19,500.00	0.00	0.00	19,500.00	100.00	0.00	975.00	
G6-022	Painting	35,000.00	31,500.00	0.00	0.00	31,500.00	90.00	3,500.00	1,575.00	
G6-023	Top Entry Mixer	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00	
G6-024	Plumbing	23,000.00	23,000.00	0.00	0.00	23,000.00	100.00	0.00	1,150.00	
G6-025	HVAC	50,000.00	40,000.00	7,500.00	0.00	47,500.00	95.00	2,500.00	2,375.00	
<b>Subtotal</b>		575,000.00	553,750.00	10,000.00	0.00	563,750.00	98.04	11,250.00	28,187.50	
<b>G7-000</b>	<b>SBR/Chem Feed &amp; Process Piping</b>									
G7-001	SBR Equipment	790,000.00	782,100.00	7,900.00	0.00	790,000.00	100.00	0.00	39,500.00	

# Application and Certificate For Payment --- page 7

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period						
G7-002	Polymer Feed System	18,000.00	9,000.00	0.00	0.00	9,000.00	50.00	9,000.00	450.00	
G7-003	Chem Feed Pumps & Piping	18,000.00	16,200.00	0.00	0.00	16,200.00	90.00	1,800.00	810.00	
G7-004	Inline Static Mixers	25,500.00	25,500.00	0.00	0.00	25,500.00	100.00	0.00	1,275.00	
G7-005	Inline Grinder	8,500.00	0.00	0.00	0.00	0.00	0.00	8,500.00	0.00	
G7-006	Utility Water Pumps & Controls	80,000.00	80,000.00	0.00	0.00	80,000.00	100.00	0.00	4,000.00	
G7-007	Instrumentation & Controls	127,000.00	107,950.00	0.00	0.00	107,950.00	85.00	19,050.00	5,397.50	
G7-008	FRP Chemical Tank	25,000.00	22,500.00	2,500.00	0.00	25,000.00	100.00	0.00	1,250.00	
G7-009	Process Piping	245,000.00	232,750.00	0.00	0.00	232,750.00	95.00	12,250.00	11,637.50	
G7-010	Relocated Apple Brook Pump	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00	
<b>Subtotal</b>		<b>1,345,000.00</b>	<b>1,284,000.00</b>	<b>10,400.00</b>	<b>0.00</b>	<b>1,294,400.00</b>	<b>96.24</b>	<b>50,600.00</b>	<b>64,720.00</b>	
<b>G8-000</b>	<b>Filtration &amp; UV System</b>									
G8-001	Disk Filters	470,000.00	470,000.00	0.00	0.00	470,000.00	100.00	0.00	23,500.00	
G8-002	Filter Feed Pumps	10,000.00	0.00	0.00	0.00	0.00	0.00	10,000.00	0.00	
G8-003	UV System	180,000.00	180,000.00	0.00	0.00	180,000.00	100.00	0.00	9,000.00	
<b>Subtotal</b>		<b>660,000.00</b>	<b>650,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>650,000.00</b>	<b>98.48</b>	<b>10,000.00</b>	<b>32,500.00</b>	
<b>G9-000</b>	<b>Sludge Digestion &amp; Post EQ Tank</b>									
G9-001	Demo Interior	20,000.00	0.00	20,000.00	0.00	20,000.00	100.00	0.00	1,000.00	
G9-002	Sandblasting & Painting	160,000.00	0.00	0.00	0.00	0.00	0.00	160,000.00	0.00	
G9-003	Course Bubble Diffuser	30,000.00	25,550.00	0.00	0.00	25,550.00	85.17	4,450.00	1,277.50	
G9-004	Centrifugal Blower Recondition	20,000.00	8,000.00	0.00	0.00	8,000.00	40.00	12,000.00	400.00	
G9-005	Aeration Tank Rehabilitation	45,000.00	0.00	22,500.00	0.00	22,500.00	50.00	22,500.00	1,125.00	
<b>Subtotal</b>		<b>275,000.00</b>	<b>33,550.00</b>	<b>42,500.00</b>	<b>0.00</b>	<b>76,050.00</b>	<b>27.65</b>	<b>198,950.00</b>	<b>3,802.50</b>	
<b>GG10-000</b>	<b>Sludge Dewatering Bldg Addition</b>									
GG10-001	Demo Centrifuge	8,000.00	0.00	8,000.00	0.00	8,000.00	100.00	0.00	400.00	
GG10-002	Demo Building	10,000.00	0.00	10,000.00	0.00	10,000.00	100.00	0.00	500.00	
GG10-003	Sawcut Floor	8,000.00	0.00	0.00	0.00	0.00	0.00	8,000.00	0.00	



# Application and Certificate For Payment -- page 9

To Owner: East Goshen Municipal Authority  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 18  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 05/31/10  
 Period To: 05/31/10

Item Number	Description	Scheduled Value	Work Completed			Materials Presently Stored	Completed and Stored to Date	Balance to Finish	Retention	Memo
			Previous Application	This Period	%					
GG14-001	Lump Sum	11,000.00	0.00	0.00	0.00	0.00	11,000.00	0.00	0.00	
<b>GG18-000</b>	<b>Alternate G-18</b>									
GG18-001	Lump Sum	125,000.00	125,000.00	0.00	0.00	125,000.00	0.00	0.00	6,250.00	
	<b>Subtotal</b>	<b>1,180,400.00</b>	<b>489,215.00</b>	<b>63,000.00</b>	<b>0.00</b>	<b>552,215.00</b>	<b>628,185.00</b>	<b>46.78</b>	<b>27,610.75</b>	

**Application Total** 7,869,424.34 6,563,865.00 187,674.34 0.00 6,751,539.34 85.79 1,117,885.00 337,576.97



5. MINUTES  
7.  
6 pgs

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**DRAFT #2**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**May 10, 2010**

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The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday May 10, 2010 at 7:00 p.m. at the East Goshen Township building. Members in attendance were: Fran Beck, Jack Yahraes, Joseph McCawley, Dana Pizarro and Michael Steinberger. Also in attendance were: Rick Smith, Township Manager; Scott Towler from Brickhouse Environmental; Evan Andrews, Authority Engineer; Bob Adams, Authority Solicitor, Ellen Carmody, Historical Commission; and Megan Hedgecock, Planning Commission.

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**COMMON ACRONYMS:**

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<i>MA - Municipal Authority</i>	<i>I&amp;I - Inflow &amp; 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 &amp; 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>

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**1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

Chairman Jack Yahraes called the meeting to order at 7:00 p.m. and led those present in the Pledge of Allegiance. There was a moment of silence to remember our Armed Forces.

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**2. RCSTP REPORTS**

a. Brickhouse Report - Scott reported that Phase I of the Ridley Creek Sewage Treatment Plant (RCSTP) upgrade and expansion project has largely been completed as of May 5, 2010. There are a few equipment issues from phase I which need to be resolved that will carry over into phase II. These issues were not believed to be significant enough to discontinue moving forward with the remaining phases.

During the month of April, final preparations were completed to allow the SBRs to be filled with treated effluent from the existing treatment plant to simulate the treatment process. Using several electric pumps, treated effluent was transferred from the effluent overflow box into the dog house manhole where it flowed by gravity through the Screen Building into the influent lift station. The influent lift station pumped the water into one of the four (4) SBRs. The SBRs cycled through all of the treatment cycles in the same manner as if they contained mixed liquor suspended solids with raw wastewater. Representatives from Siemens were on site to provide training and start up services.

During this "wet test" period, the Authority Staff assisted Worth & Company to simulate plant operation during a significant rain event. Additionally, power failures were simulated to evaluate the effect of the treatment plant equipment. Items of concern included replacing a failed overload relay for SBR number 3 mixer pump, Siemens UV lamp bank number 1 (which has been resolved), and the Aqua Aerobics disc filter control panel. Correction actions for the Siemens and Aqua Aerobics control panel will carry over into Phase II.

1 Key administrative and contractual items on task for presentation to the Authority Board  
2 members include discussion of Worth & Company’s letter dated February 15, 2010  
3 requesting change in the substantial completion date of June 30, 2010 to September 30, 2010  
4 and Clinger letters dated March 15, 2010 and April 30, 2010.  
5

6 Mike asked if there are any problems, delays, etc. anticipated with start up. Regarding the  
7 existing drain line in the treatment plant, Worth said it was out of their scope and not shown  
8 on the proposed plan. Evan confirmed that they did install a new pipe. On day 2 the SBRs  
9 were short cycling and quality of the effluent was not good. Now they are working on a  
10 normal 6 hour cycle. DEP representatives have been out twice and are pleased with what  
11 they see. Three existing metal tanks are empty and being cleaned. There will be a 5 day  
12 continuous run when all phases are complete.  
13

14 b. Tank Cleaning Bid – The bid went to Aqua with the lowest bid of \$24,234.00. Other  
15 bids received were: US Environmental \$25,014.00  
16 Franc Environmental \$34,016.00  
17 Russell Reed \$34,586.00  
18 McGovern Environmental \$46,534.00  
19

20 **RCSTP CHANGE ORDERS**

21 A. None  
22

23 **3. RCSTP INVOICES**

24 A. Grainger, #9217937037, 3/31/10, \$275.50 and Grainger #9228782778, 4/14/10, \$641.98  
25 and Grainger #9231297822, 4/16/10, \$28.58. Joe moved to approve payment of these 3  
26 invoices. Fran seconded the motion. There was no further discussion or public comment.  
27 The motion passed unanimously.  
28

29 B. Continental Fire & Safety, #37184, 4/15/10, \$1,127.48. Mike moved to approve  
30 payment. Joe seconded the motion. There was no further discussion or public comment.  
31 The motion passed unanimously.  
32

33 C. Brickhouse Environmental, #5333, 5/3/10, \$11,931.25. Joe moved to approve payment.  
34 Dana seconded the motion. There was no further discussion or public comment. The motion  
35 passed unanimously.  
36

37 D. Worth & Co., #P28001, 4/30/10, \$170,263.75. Joe moved to approve payment. Fran  
38 seconded the motion. Discussion followed regarding the fact that Worth & Co. still has not  
39 submitted the invoice properly to show change order credits of \$42,700. The motion was  
40 opposed unanimously. Rick will direct staff that this won’t be paid until properly submitted.  
41

42 E. Wm. H. Clinger Corp, #EGMA0707, 5/2/10, \$34,539.38. Mike moved to approve  
43 payment. Dana seconded the motion. Joe pointed out that the note on page 18 stating that  
44 “upon receipt Clinger will pay...” is not a release of liens. They must use the proper form,  
45 and the form must be signed and notarized. Liens have to be received before payment is  
46 given in order to be sure the subcontractors have been paid. Mike changed the motion to

**Aqua Wastewater Management, Inc.**

PO Box 822552  
 Philadelphia, PA 19182-2552  
 Customer Service (215) 799-2200  
 Toll-Free (800) 338-9271  
 Fax (215) 799-2205

**Invoice**

Number: 117366      Order Num 161112  
 Date: 28-May-2010      Serviced 15-May-2010  
 P.O. Number:  
 Job Description: 2-tank cleanings

BILL TO:      69434


East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380

JOB SITE

Ridley Creek STP  
 Town Drive & Line Road  
 West Chester, PA

Quantity	ServiceType	Amount	Tax	Warranty & Expiration	Extension
1	Disposal Charges	\$5,184.00	No	0 Days	\$5,184.00
	TOTAL OF 54 TONS OF GRIT @ 96.00-A TON-SEE ATTACHED BREAKDOWN				
1	Disposal Charges	\$34,753.70	No	0 Days	\$34,753.70
	TOTAL OF 153,100 GALLONS OF SLUDGE @ .227 A GALLON-SEE ATTACHED BREAKDOWN				

Taxable Amount	Tax Rate	Tax	Description	Subtotal NonTaxed:	\$39,937.70
\$0.00	0	\$0.00	PA Tax Exempt	Subtotal Taxable:	\$0.00
				Subtotal Tax:	\$0.00
Payment Terms	Payment	Adjustment	Late Charge	Please Pay:	<b>\$39,937.70</b>
Net 30	\$0.00	\$0.00	\$0.00		

  
 APPROVED BY: \_\_\_\_\_  
 DATE PAID: \_\_\_\_\_  
 CHECK #: \_\_\_\_\_  
 CHARGED TO: 07424-7482

PA State Homeowner Protection Act, Registration #PA022859

A LATE CHARGE FEE OF 1.5% PER MONTH WILL BE APPLIED TO OVERDUE ACCOUNTS.

**From:** Please detach here and return the bottom portion with your payment.

East Goshen Township  
 1580 Paoli Pike  
 West Chester, PA 19380

Order No.	Invoice No.	Date	Amount Due
161112	117366	28-May-2010	<b>\$39,937.70</b>
		Serviced 15-May-2010	

**To:**

**AS - Aqua Wastewater Management, Inc.**  
 PO Box 822552  
 Philadelphia, PA 19182-2552

Back  
 For MA  
 MTS

1 payment is approved contingent upon receipt of properly signed and notarized liens from the  
2 beginning of the contract. Joe seconded this motion. There was no further discussion or  
3 public comment. The motion passed unanimously.  
4

5 F. Pennoni, #438249, 5/5/10, \$18,810.50. Dana moved to approve payment. Joe seconded  
6 the motion. There was no further discussion or public comment. The motion passed  
7 unanimously.  
8

9 Mike noted that regarding the invoices, he wants Evan’s signature on all copies before the  
10 meeting starts.  
11

12 **4. CHAIRMAN’S REPORT**

13 A. Jack thanked Dana for making it possible for him to attend the PMAA meeting. It was  
14 very interesting.  
15

16 B. Jack went to the West Goshen meeting. They approved the Board’s request.  
17

18 C. Jack acknowledged the invitation to the joint ABC meeting on Saturday, May 15, 2010  
19 from 8:30 to 11:00 am.  
20

21 **5. APPROVAL OF MINUTES**

22 A. Joe moved to approve the minutes of the April 12,, 2010 meeting as corrected. Dana  
23 seconded the motion. The motion passed unanimously.  
24

25 **6. ENGINEER’S REPORT**

26 Evan reported that construction phase services continue including: progress meetings with  
27 the Contractors and Township every other Thursday; observation services continue,  
28 including coordination and communication with Brickhouse and the Township; receipt,  
29 review, and return of Contractor submittals; negotiation, review, and approval of Payment  
30 Requests.  
31

32 A breakdown of effort expended over the past month by Pennoni is provided with the  
33 invoice detail. At present the current authorized schedule (11/2009 to 6/2010) is  
34 approximately 75% complete and budget is approximately 92% expended. Equipment start-  
35 up, “SBR seeding”, and contractor RFI’s and coordination has been consuming much of our  
36 time for the past three months.  
37

38 I/I Metering Project –The Township continues to meter flows at selected locations.  
39

40 Ridley Creek Consent Order – Temporary flow meters have been installed by the Township  
41 at the locations noted above under “I/I Metering Project”. Public Works has been  
42 aggressively locating and repairing sewers and laterals where I/I is observed.  
43

44 The third Semi-Annual Report was prepared and submitted to DEP on March 26, 2010 as  
45 required by the CO&A. No comments have been received. The next report is due to DEP  
46 by September 30, 2010.

1  
2 LCSTP Elimination, Hershey Mill PS Diversion, Reserve (Sherman) PS and Marydell PS  
3 Elimination Planning – The updated reports will be available this month.  
4

5 **7. APPROVAL OF INVOICES**

6 A. Gawthrop Greenwood, #78561, 3/31/10, \$627.00. Fran moved to approve payment.  
7 Joe seconded the motion. There was no further discussion or public comment. The motion  
8 passed unanimously  
9

10 B. Gawthrop Greenwood, #78562, 3/31/10, \$304.00. Mike moved to approve payment.  
11 Fran seconded the motion. There was no further discussion or public comment. The motion  
12 passed unanimously  
13

14 C. Pennoni, #438211, 5/3/10, \$315.00. Fran moved to approve payment. Mike seconded  
15 the motion. There was no further discussion or public comment. The motion passed  
16 unanimously  
17

18 D. Pennoni, #438212, 5/3/10, \$367.50. Joe moved to approve payment. Dana seconded the  
19 motion. There was no further discussion or public comment. The motion passed  
20 unanimously  
21

22 **8. LIAISON REPORTS**

23 A. Historical Commission – Ellen noted that Living History Day is June 5, 2010. The  
24 Town Tours and Village Walks are July 22, 2010. They will use a Revolutionary theme.  
25 Since this is a County-wide event, they need lots of help with parking, etc.  
26

27 B. Planning Commission – Megan reported that they recommended approval of the  
28 National Bank of Malvern plan.  
29

30 **9. FINANCIAL REPORTS**

31 Rick stated that the grant was received and contracts sent to Worth.  
32

33 **10. GOALS**

34 Jack has the article ready for the Township Newsletter. Dana will attend the 2<sup>nd</sup> Quarter  
35 West Goshen meeting on June 2, 2010.  
36

37 **11. OLD BUSINESS**

38 A. Budget for 2010 – An update was included in the May packet. It was broken down as  
39 Mike requested. Mike moved to approve the 2010 Operating budget as amended. Fran  
40 seconded the motion. There was no further discussion or public comment. The motion  
41 passed unanimously.

42 Mike moved to approve the Ridley Creek Budget as presented. Fran seconded the motion.  
43 There was no further discussion or public comment. The motion passed unanimously.  
44

45 B. Applebrook Spray Permit. Rick will send a letter to Hank Berber at Applebrook  
46 regarding this issue.

C. The Board reviewed and discussed Pennoni's response to the Wm. Clinger Corp. letters. Rick will forward it to Clinger stating that the Board would like to meet with them to discuss it.

**12. NEW BUSINESS**

A. Diffuser Heads - Evan noted that they will need 48 new diffuser heads at \$65 each plus labor, etc. Joe moved to authorize the purchase and installation of diffuser heads up to \$10,000.00. Fran seconded the motion. There was no further discussion or public comment. The motion passed unanimously.

B. Pennoni – Joe noted that Pennoni has been over by 30% each month. Of the money allocated to carry through to June 30, 2010, there is only \$8,000.00 left. Pennoni has been invoicing \$18,000.00 per month. Evan explained the amount of work being done. Joe moved to raise the allowance for Pennoni's services to 6/30/2010 by \$22,000.00. Mike seconded the motion. There was no further discussion or public comment. The motion passed unanimously.

**13. CAPACITY REQUESTS**

None

**14. SEWER REPORTS**

Mark Miller's written report follows:

Meter: Meters were read on a daily basis. The portable meters are being read on a weekly basis.

C.C. Collection – We have been busy making repairs to the system. To date, we have repaired 8 major breaks. We have several more to replace.

R.C. Collection - We have made several repairs to the system. We will be replacing manhole covers in the Bowtree Development due to large pick holes.

Plants – The plants are running well, no problems to report.

Ridley Creek Plant – As I reported earlier, the plant went live on May 4, 2010.

PA One Calls – 112 PA One Calls for the month of April 2010.

Alarms – 14 alarms for the month of April

**15. ANY OTHER MATTER**

None

**16. CORRESPONDENCE**

None

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**17. PUBLIC COMMENT**

None

**19. ADJOURNMENT**

There being no further business, Mike moved to adjourn the meeting. Dana seconded the motion. There was no further discussion or public comment. The motion passed unanimously. The public meeting was adjourned at 9:30 p.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary

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**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**SPECIAL MEETING MINUTES**  
**May 20, 2010**

The East Goshen Township Municipal Authority held a special meeting on Thursday May 20, 2010 at 8:00 a.m. at the East Goshen Township building. Members in attendance were: Fran Beck, Jack Yahraes, Joseph McCawley (by phone), and Dana Pizarro. Also in attendance were: Rick Smith, Township Manager; Scott Towler and Dave Evans from Brickhouse Environmental; Evan Andrews, Authority Engineer; Bob Adams, Authority Solicitor, and Carmen Battavio, Township Supervisor.

**COMMON ACRONYMS:**

- |   |  |
|---|--|
| <i>MA- Municipal Authority</i>          | <i>I&amp;I – Inflow &amp; 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 &amp; 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>                            |

**1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

Chairman Jack Yahraes called the meeting to order at 8:00 a.m. and led those present in the Pledge of Allegiance. There was a moment of silence to remember our Armed Forces.

**2. NEW BUSINESS**

**a.** Worth, application No. 17, 4/30/10, \$170,263.75. After consultation with the counselor, Rick reported that this invoice should be paid. Worth agreed to a 2 day extension to July 2, 2010. They will apply the credit when the payment is authorized. Dana moved to approve payment of the Worth application No. 17 for \$170,263.75 and to authorize a 2-day extension to July 2, 2010 and authorize Jack to sign the change order. Fran seconded the motion. There was no further discussion. The motion passed unanimously.

**b. Worth Change Orders**

1. PCO-19, 5/17/10, \$27,702.20. This is for replacing the air drops in the former aeration (DAVCO) tanks with a time extension of 4 days. The existing aeration diffusers are beyond repair and must be replaced. The drop Pipes are pitted and should be replaced. This is not included in the original contract. There will be 48 diffusers. Stainless steel is required so Dana asked that it be included in the materials description. Fran moved to approved payment and include Stainless Steel in the description. Dana seconded the motion. There was no further discussion. The motion passed unanimously.

2. PCO-20, 5/17/10, \$3,516.77. This is for 2 additional doors in the dewatering building per Township request. They are rusted through at the bottom. The skylight will be removed and block work will be installed. This PCO has a time extension of 1 day. Dana moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.



1 3. PCO-21, 5/17/10, \$18,094.59. This is to sandblast and paint the existing  
2 DAVCO walkways per Township request with a time extension of 6 days (need to  
3 verify number of days with Worth). This PCO is necessary since the walkway is no  
4 longer being removed in order to give better access to the sludge digesters. The  
5 Contract had called for these to be removed. This includes a credit of \$4,000.00  
6 which was the cost to demolish. They are rusted but the supports are sound. Joe said  
7 to be sure there is a welder at the inspection to take care of any spots. Also, specify  
8 epoxi paint will be used and the surface prep and finish will be the same as the other  
9 walkways. Joe moved to approve payment. Dana seconded the motion. There was  
10 no further discussion. The motion passed unanimously.  
11

12 4. PCO-22, 5/17/10, CREDIT amount of \$13,875.00. This is to DELETE concrete  
13 removal in the DAVCO clarifier floor and raising the fill and draw piping by  
14 approximately 13 inches. The impact to the project is a change in operating levels in  
15 the post-equalization tank which can be accommodated with no other changes.  
16 There is no time extension involved with the PCO. Joe moved to approve PCO-22.  
17 Dana seconded the motion. There was no further discussion. The motion passed  
18 unanimously.  
19

#### 20 C. Additional Items of Discussion

21 1. An additional PCO is being prepared by Worth for sandblasting and painting the  
22 existing equalization tank per Township request. The ESTIMATED value of the  
23 PCO is in the amount of \$21,000 for the tank interior and \$19,000 for the tank  
24 exterior. According to Worth, there is a possibility to reduce this price if alternate  
25 steel preparation and painting specifications were allowed. The reduction is reported  
26 to be in the 30% to 40% range. Joe recommended doing the interior but wait to go to  
27 bid for the exterior. The condition of the tank is the same as the others. Decision on  
28 this was deferred.  
29

30 2. The sludge dewatering building walls were to remain and the rest of the building  
31 added on. The plain masonry walls now are not as sturdy as anticipated. It is  
32 recommended to take down the wall so the new work is knitted in cleanly. The roof  
33 above is already gone. Cost has not been determined but will include removal of the  
34 wall down to the existing slab, build up the wall, finish it and frame in the door. It  
35 was suggested that 2 more options be considered, drill the walls and fill with  
36 concrete or buttress inside to tie to the main wall.

37 Jack moved to authorize Rick Smith to move forward with this project if the cost is  
38 under \$5,000.00. If it is over \$5,000.00, the Authority will decide by email how they  
39 want to proceed. Fran seconded the motion. There was no further discussion. The  
40 motion passed unanimously.  
41

42 Mark will send photos of these areas to the Authority members.  
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**3. PUBLIC COMMENT**

None

**4. ADJOURNMENT**

There being no further business, Jack moved to adjourn the meeting. Dana seconded the motion. There was no further discussion or public comment. The motion passed unanimously. The meeting was adjourned at 8:40 a.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary

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G. MINUTES  
C.  
1/11

**DRAFT**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**SPECIAL MEETING MINUTES**  
**June 7, 2010**

The East Goshen Township Municipal Authority held a special meeting on Monday, June 7, 2010 at 9:00 a.m. at the East Goshen Township building. Members in attendance were: Fran Beck, Jack Yahraes, and Joseph McCawley (by phone). Also in attendance were: Rick Smith, Township Manager; Scott Towler Brickhouse Environmental; and Mark Miller, Public Works Director.

**COMMON ACRONYMS:**

<i>MA- Municipal Authority</i>	<i>I&amp;I – Inflow &amp; 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 &amp; 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>

**1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE**

Chairman Jack Yahraes called the meeting to order at 9:00 a.m.

**2. NEW BUSINESS**

a. Centrifuge – Scott reported regarding the platform the centrifuge is to be installed upon. The original plan called for a total height of 9 feet. The vertical distance has to be increased to 9 feet 6 inches. Pennoni provided an alternate plan using concrete piers 5 feet high and an I beam. This cost may be over \$5,000.00. Pennoni will provide the updated plan tomorrow. Galvanized steel is preferred but takes time to produce. A decision was made to use epoxy coated steel. Mount Pleasant is used by Worth to get steel. Joe moved to authorize Mark Miller to spend up to \$10,000.00 for a steel and concrete foundation for the centrifuge. Fran seconded the motion. There was no further discussion. The motion passed unanimously.

**3. ADJOURNMENT**

There being no further business, Fran moved to adjourn the meeting. Jack seconded the motion. There was no further discussion or public comment. The motion passed unanimously. The meeting was adjourned at 9:30 a.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary

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CHECK REQUEST FORM

Approved:	_____
Date Paid:	_____
Check #	_____
Charged to:	<u>07424 7454</u>

Date Form submitted: 5/20/10  
 Date & Time Check Needed: \_\_\_\_\_

Pay to the Order of: EAST Goshen Twp  
 Mailing Address: \_\_\_\_\_  
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Amount of Check: 142.47

- Special Instructions: (Check One)
- Mail Check REGULAR MAIL
  - Mail Check: EXPRESS MAIL
  - Return Check to Requester
  - Hold Check until: \_\_\_\_\_

Explanation of Expenses: Reimburse Gen Fund for  
07-MA Construction Expense  
office supplies - STAPLES  
 \_\_\_\_\_

Request Submitted by: \_\_\_\_\_





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105 E. Swedesford Road  
Exton, PA 19341  
(610) 594-2553

SALE 1499986 10 001 2  
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QTY SKU PI

\*\*\*\*Special Promotion\*\*\*\*  
\*\*\*\*Limit 1 at 6.99 ea\*\*\*\*

1	HP 2GB USB FLASH D 751492381039	6.
	Regular Price	12.99ea
	Special Savings	-6.00ea
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1	GE DUPLEX INWALL A 030878861915	5.29
1	RECORD BOOK 300 PG 718103077811	23.99
1	RECORD BOOK 300 PG 718103077811	23.99
1	ATT CRODED SPRPHONE 650530018961	29.9
1	CL BLK KOSKIN 24 C 085854106870	9.9
1	STAPLES 290 DESKTD 718103112499	13.9
1	SPLS 25PK DBLSIDE 718103020565	7.
	SUBTOTAL	134.
	Standard Tax 6.00%	8.
	TOTAL	\$142.

Staples Charge 142.47  
Card No.: XXXXXXXXXXXX0128 [S]  
Auth No.: 017241

TOTAL ITEMS 9

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APPROVED BY: \_\_\_\_\_  
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CHARGED TO: 07424-7452  
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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

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East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380

Page: 1  
04/30/2010  
Client No: 6604-01M  
Invoice No. 79415

General Authority Services

Fees

		Hours	
04/09/2010	RFA Review packet for Authority meeting of 4/12/10.	0.50	
04/12/2010	RFA Attend regular meeting of Authority.	2.00	
	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			\$627.00
Total Current Charges			475.00
04/22/2010 Fee Payment			-475.00
Balance Due			<u>\$627.00</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.



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

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West Chester PA 19380

Page: 1  
04/30/2010  
Client No: 6604-06M  
Invoice No. 79416

Ridley Creek Treatment Plant Upgrades/ Expansion

Fees

		Hours		
04/12/2010	RFA	Attend executive session of Authority to discuss Clinger and Worth issues relating to RCSTP.	1.00	
04/13/2010	RFA	Review correspondence from Clinger dated March 15, 2010 and multiple exhibits attached thereto regarding reasons for delay and increased cost.	1.00	
04/14/2010	RFA	Review message from Rick Smith with proposed letter to Clinger.	0.40	
	RFA	Message to Rick Smith regarding letter to Clinger for meeting date.	0.30	
04/16/2010	RFA	Review Clinger and Worth agreements and associated contract documents.	1.20	
04/23/2010	RFA	Conference with Rick Smith, Authority members and consultants regarding resolution of Clinger claim.	1.50	
04/27/2010	RFA	Telephone conference with Rick Smith regarding Aqua PA tank cleaning bid.	0.30	
		For Current Services Rendered	5.70	1,083.00

Recapitulation

<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	5.70	\$190.00	\$1,083.00
Previous Balance			\$304.00
Total Current Charges			1,083.00



East Goshen Municipal Authority

Page: 2

04/30/2010

Client No: 6604-06M

Invoice No. 79416

Ridley Creek Treatment Plant Upgrades/ Expansion

04/22/2010	Fee Payment	-57.00
	Balance Due	<u>\$1,330.00</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.

**2010  
EAST GOSHEN MUNICIPAL AUTHORITY GOALS  
JUNE REPORT**

ON-GOING

1. Submit an article for each newsletter.
  - a. Need by 2/10/10 Fran - **Completed**
  - b. Need by 5/12/10 Jack - completed
  - c. Need by 8/11/10 Joe
  - d. Need by 11/10/10 Dana
2. Attend West Goshen Meetings quarterly – more often if needed.
  - a. 1<sup>st</sup> Quarter (March) Fran - **Completed**
  - b. 2<sup>nd</sup> Quarter (June) Dana
  - c. 3<sup>rd</sup> Quarter (September) Joe
  - d. 4<sup>th</sup> Quarter (December) Jack
3. Respond to capacity requests in 45 days or less.  
**Michael Mirarchi (143 Line Road) request of 1/21/10 granted on 4/12/10).**
4. Implement I & I Plan. - **Ongoing – March Report filed**
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 during the start up period when the SBR unit is running on treated effluent.  
SBR Tour conducted on 3/15/10
3. Invite Board of Supervisors and all other ABC members to a primer educational session on SBR's.  
SBR Class conducted on 3/15/10
4. Have Siemens conduct a training session for Artesian 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.
5. Obtain Act 537 Plan approval for the Reservoir Road PS Diversion Project.

FUNDING

1. H20 Grant – Obtain funding and use monies (\$464,195) to pay for construction at RCSTP. **We have submitted the payment request.**



11 QD BUSINESS  
Differ To June mtg  
2/10/10

February 3, 2010

10-16507

Rick Smith, Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

RECEIVED AFTER  
AGENDA  
WAS PRINTED

**RE: Chester Creek Sewage Collection System Modeling  
Estimated Fee and Schedule**

Dear Mr. Smith:

As discussed January 29, 2010, we recommend that a hydraulic model be developed for the Township's Chester Creek Sewage Collection System similar to the model developed in 2009 for the Ridley Creek Sewage Collection System. The purpose of this modeling is to determine if any physical constraints exist which would not allow for the conveyance of peak wet weather flow to West Goshen as well as the effect of future development within this service area and diversions from the service area to the Ridley Creek Sewage Collection System.

**SCOPE OF WORK**

The estimated fee and schedule presented here is for model development, analysis, and mapping updates.

- Collect sewer plans previously scanned by the Township
- Review these plans and develop a network model of the sewage collection system
- Estimate base flows into the sewer network at selected "nodes"
- Using sewer data on the available plans (pipe lengths, sizes, materials and elevations), construct a hydraulic model of the sewer system using SewerCAD, a software package created to analyze sewer systems.
- Calibrate the hydraulic model using available flow meter data collected under the inflow and infiltration abatement program as well as the Township's permanent meters.
- Project wet weather peak flows in the sewer system using the meter data.
- Estimate future flows through the sewer system using data available in the Township's Chapter 94 Reports. Apply the future flows to the base flows and re-run the hydraulic model for future dry weather and wet weather flows.

PRO WG Sewer Modeling.doc

- Identify physical constraints on the sewer system that do not allow for the conveyance of peak wet weather flow to West Goshen, if any.
- For identified constraints, if any, develop and conduct a brief evaluation of alternatives to relieve the constraint.
- Prepare a report summarizing the model development, analysis and identified constraints, if any, and alternatives to relieve the constraints.

## **SCHEDULE**

Immediately upon authorization we will initiate the model development and analysis. Note that we have already collected the majority of sewer maps as available from the Township in an effort to expedite the schedule.

## **ESTIMATED FEE**

The estimated fee for this scope of work is \$26,900.00, to be billed on an hourly basis at our standard rates established in our current Engineering Services Agreement. Please note that this estimated fee does not include surveying services that might be necessary to locate or verify sewer locations or elevations in the field. These services, if needed, can be provided at our standard rates.

Should you have any questions or need additional information, please do not hesitate to call.

Very truly yours,

**PENNONI ASSOCIATES INC.**



Evan R. Andrews, P.E.  
Authority Engineer

12. NEW POWER WESS  
2.  
8 pages

**Memo**  
**East Goshen Township**  
**1580 Paoli Pike**  
**West Chester, PA 19380**

**Voice (610) 692-7171**  
**Fax (610) 425-8950**  
**E-mail [rsmith@eastgoshen.org](mailto:rsmith@eastgoshen.org)**

Date: June 10, 2010  
To: Municipal Authority  
From: Rick Smith, Township Manager  
Re: Ridley Creek Sewer Plant Project  
Outstanding Issues

Completion – The current date for substantial completion is August 6, 2010.

Pennoni – At your meeting on May 10<sup>th</sup> you authorized an additional \$22,000 for construction services which brought the budget up to \$121,700. Upon the payment of the current invoice there will be a balance of \$10,500. I would suggest that you authorize another \$22,000 to get us thru July.

Brickhouse – Our agreement with Brickhouse contemplated that substantial completion would occur in June. I have asked them to modify their work sheet to reflect he fact that it will not occur as scheduled. They have projected their hours and costs thru the Authority meeting in September. If we close up everything by that date we will be \$22,000 under budget,

Clinger- We are scheduled to meet with Clinger on Friday. I will e-mail a synopsis of the meeting.

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

2010  
**FILE**

May 14, 2010

Mr. Evan Andrews, PE  
Pennoni Associates Inc.  
One Drexel Plaza  
3001 Market Street, Second Floor  
Philadelphia, PA 19104

Re: Ridley Creek Sewage Treatment Plant SBR Expansion  
Continued Construction Services  
Proposal dated May 6, 2010

Dear Evan:

At their meeting on May 10, 2010, the East Goshen Municipal Authority authorized the expenditure of up to \$22,000 for continued construction services for the upgrade and expansion of the Ridley Creek Sewer Treatment Plant. This funding is anticipated to cover construction services until June 30, 2010.

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

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PENNONI ASSOCIATES INC.  
CONSULTING ENGINEERS

May 6, 2010

EGMA0707

Rick Smith, Township Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

Re: RCSTP Upgrade and Expansion  
Continued Construction Services

Dear Mr. Smith:

As you know, Pennoni provided an estimated fee for Continued Construction Services that was accepted and approved by the Authority Board on January 11, 2010. At the time that the estimated fee was prepared (November 4, 2009), the construction was expected to be complete by June 30, 2010. It has since become apparent that the construction will likely continue until September 30, 2010 followed by contract close-out activities.

The approved estimated fee was \$99,700.00. As of Pennoni's current invoice (#438249 dated May 5, 2010), Pennoni has expended \$91,817.98 through April 18, 2010. The authorized budget is expected to exceed the current authorization with the next invoice (effort through May 21, 2010).

Over the past 5 months, the rate of effort expended by Pennoni on this project is approximately \$18,400 per month. Given the projected construction end date of September 30, 2010 (5 months from now), and approximately 1 month of project close-out activities (punchlist, contractor final application for payment, as-built plans, etc.), Pennoni recommends that the authorized budget for Continued Construction Services be increased by \$110,000.00 (rounded).

Pennoni will continue to make every effort to minimize our effort on the project, however given the history of the construction to date, we cannot provide a final estimate of engineering services required to complete this project.

Should you have any questions or need additional information, please do not hesitate to call.

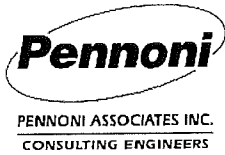
Very truly yours,

PENNONI ASSOCIATES INC.

Evan R. Andrews, P.E.  
Authority Engineer



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**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 # : 440011  
Invoice Date : 05/25/2010  
Project : EGMA0707  
Project Name : RCSTP Expansion

For Services Rendered through: 05/16/2010

Construction meetings with contractors and Township; construction management; shop drawing and schedule review; site observation of construction and consultation with Township regarding same. Additional effort this invoice period has included Phase 2 start-up; review of the mixed liquor transfer from existing system to new SBR tanks with operator; troubleshooting control problems with UV system, effluent weir plate, and SBR #3 overload; responses to Contractor RFIs; schedule reviews; and review/negotiations of change orders with Township and contractors.

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.	\$121,700.00	\$91,817.98		\$111,105.48	\$19,287.50
<b>Total :</b>		<b>\$644,700.00</b>	<b>\$614,683.78</b>		<b>\$633,971.28</b>	<b>\$19,287.50</b>

Amount Due This Invoice

**\$19,287.50**

East Goshen Municipal Authority  
EGMA0707 Invoice Summary  
Invoice Date 05-25-2010

<b>Project:</b>	RCSTP Expansion and Upgrade		
<b>Pennoni Job No.:</b>	EGMA0707		
<b>Invoice No:</b>	440011		
<b>Invoice Period:</b>	4/19/2010	to	5/16/2010
<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>Contract Amount:</b>	\$ 644,700.00		
<b>Previously Invoiced:</b>	\$ 614,683.78		
<b>Current Invoice:</b>	\$ 19,287.50		
<b>Invoiced to Date (\$):</b>	\$ 633,971.28		
<b>Invoiced to Date (%):</b>	98%		
<b>Remaining Budget (\$):</b>	\$ 10,728.72		
<b>Remaining Budget (%):</b>	2%		

<b>Budget by Phase:</b>			
<b>Phase No.</b>	<b>05</b>	<b>06</b>	<b>10</b>
<b>Phase Name:</b>	<b>Construction</b>	<b>Additional Engineering</b>	<b>Continued Eng Svcs</b>
<b>Phase Budget:</b>	\$ 88,200.00	\$ 10,000.00	\$ 99,700.00
<b>Changes:</b>	\$ 48,000.00	\$ 10,000.00	\$ 22,000.00
<b>Contract Amount:</b>	\$ 136,200.00	\$ 20,000.00	\$ 121,700.00
<b>Previously Invoiced:</b>	\$ 136,197.62	\$ 16,469.18	\$ 91,817.98
<b>Current Invoice:</b>	\$ -	\$ 3,528.00	\$ 19,287.50
<b>Invoiced to Date (\$):</b>	\$ 136,197.62	\$ 19,997.18	\$ 111,105.48
<b>Invoiced to Date (%):</b>	100%	100%	91%
<b>Remaining Budget (\$):</b>	\$ 2.38	\$ 2.82	\$ 10,594.52
<b>Remaining Budget (%):</b>	0%	0%	11%

**Comments: Phase 10 - Continued Engineering Services**

Construction meetings with contractors and Township; construction management; shop drawing and schedule review; and site observation of construction. Consultation with Township regarding same.

Additional effort this invoice period has included Phase 2 start-up; review of the mixed liquor transfer from existing system to new SBR tanks with operator; troubleshooting problems with UV system, effluent weir plate and SBR #3 overload; responses to Contractor RFIs; schedule reviews; tracking pressure test failure; and review/negotiations of change orders with Township and contractors.

Invoiced effort does not include effort related to responding to the Electrical Contractor's letter of 3/15/2010.

698

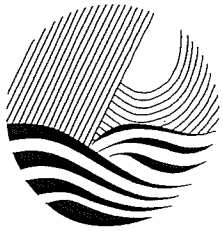
East Goshen Municipal Authority  
EGMA0707 Invoice Summary  
Invoice Date 05-25-2010

Effort by Labor Category under Phase 10:

Category	Previous Hrs.	Current	Total Hrs.
Authority Engineer	72.75	23.00	95.75
Senior Engineer	259.50	25.00	284.50
Senior Designer	98.00	30.00	128.00
Project Engineer	49.00	35.00	84.00
Associate Engineer	7.00	0.00	7.00
Graduate Engineer	43.00	0.00	43.00
Project Representative/Inspector	2.50	0.00	2.50
Technical Specialist (McAloon)	541.00	115.50	656.50
Engineering Technician I	13.50	0.00	13.50
Administrative Assistant I	0.50	0.00	0.50
<b>Totals</b>	<b>862.75</b>	<b>228.50</b>	<b>1315.25</b>

Budget/Schedule Status (November to June):

Schedule % = 88%  
Budget % = 91%



**Brickhouse  
Environmental**  
*Consultants and Engineers*

June 10, 2010

Mr. Louis F. Smith, Jr., Manager  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

RE: Ridley Creek Sewer Treatment Plant Expansion  
Project Manager Schedule Supplement  
BE Project No. 09-2532-0

Dear Mr. Smith:

This letter's purpose is to notify the Authority of a time extension within the approved original budget estimate for Brickhouse Environmental's role as Project Manager for the Ridley Creek Sewer Plant Expansion and provide the enclosed adjusted Project Management Schedule Supplement.

Brickhouse Environmental's original not to exceed budget (\$175,030 at \$115 per hour) was based upon a 67 week duration to August 8, 2010. This included Construction Contract Closeout Project Management tasks that extended beyond Construction Substantial Completion.

Approved Change Orders for construction adjustments have extended the estimated Construction Substantial Completion into Week 64. Accordingly, the enclosed Schedule reflects adjustment by extending Brickhouse Environmental's involvement to Week 73 and the Monthly Authority Meeting in September 2010. Despite this time extension and as shown on the enclosed Schedule, Brickhouse Environmental does not expect to reach the original approved \$175,030 due to our actual hours, to date, being less than originally estimated. A contingency of hours and value beyond the adjusted Schedule's projected totals remain in the approved original budget for Brickhouse Environmental.

We have enjoyed our association with you and the Authority and hope this information is helpful. Please contact me with any questions.

Best Regards,

*David W. Evans*  
David W. Evans  
Project Manager

Encl.  
cc: Scott Towler, P.E., Project Manager  
DWE/ps  
J:\092532-0\Correspondence\Projected Totals Letter.doc

515 South Franklin Street  
West Chester, PA 19382

Phone 610.692.5770  
Fax 610.692.8650



**Brickhouse Environmental**

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

The original budget estimate was adjusted from 67 weeks for a cumulative \$175,030 (at \$115/hour) to 73 weeks for the same cumulative \$175,030 (at \$115/hour) in order to:  
 1. Reflect actual total as of May 31, 2010 as a new baseline; and  
 2. Develop a new schedule based upon Substantial Construction Completion in week 64 (18-July-2010) and Construction Contract Closeout in week 73 (19-Sep-2010).

Week Ending	Project Management			Projected Totals			Actual Totals		
	Project Management	Cumulative Hours	Cumulative Fees	Monthly Fees	Project Management	Cumulative Hours	Cumulative Fees	Monthly Fees	
31-May-10	4	982.25	\$112,959	\$9,660	89.8	982.25	\$112,958.75	\$10,321.25	
6-Jun-10	24	1,006	\$115,719						
13-Jun-10	24	1,030	\$118,479						
20-Jun-10	24	1,054	\$121,239						
27-Jun-10	24	1,078	\$123,999						
30-Jun-10	16	1,094	\$125,839	\$12,880					
4-Jul-10	8	1,102	\$126,759						
11-Jul-10	24	1,126	\$129,519						
18-Jul-10	24	1,150	\$132,279						
25-Jul-10	24	1,174	\$135,039						
1-Aug-10	24	1,198	\$137,799	\$11,960					
8-Aug-10	24	1,222	\$140,559						
15-Aug-10	24	1,246	\$143,319						
22-Aug-10	20	1,266	\$145,619						
29-Aug-10	20	1,286	\$147,919						
31-Aug-10	6	1,292	\$148,609	\$10,810					
5-Sep-10	12	1,304	\$149,989						
12-Sep-10	16	1,320	\$151,829						
19-Sep-10	8	1,328	\$152,749	\$4,140					

The above schedule reflects projected totals. A contingency budget of 194 hours and \$22,281 remains to meet the original contract total value.

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

June 4, 2010

To: Municipal Authority  
From: Mark Miller  
Re: May 2010 Monthly Report

**Meter:** Meters were read on a daily basis. We continue to read the portable meters.

**C.C. Collection:** To date we have repaired 14 INI problems. I have spoken with two plumbers that have stated they have repaired seven sewers where they have found clean out pipe's have separated. We believe this was caused by the frost during the winter.

**R.C. Collection:** Two more repairs were made for INI.

**Pumping Station:** All pumping stations were cleaned. The stations were visited on a routine basis. We did experience a problem with the transducer at the Barkway Pumping Station.

**Lochwood Plant:** The plant was visited by the Public Works Department on a daily basis. The bar screen was cleaned. We did have a problem with one of the floating aerators. Lenni Electric was used to trouble shoot the meter.

**Ridley Creek Plant:** Was visited on a daily basis. Township personal assisted the plant operator on an as-needed basis. We have had some minor problems with regards to equipment. Vendors have been very responsive during the start up.

**Ridley Expansion:**

The wet well have been removed. The demolition of the sludge room has been completed. Worth and Company has completed the demolition of equipment on the two tanks. They are installing the new piping in the tanks. The new walls in the sludge room are going up.

Township personal removed the Roto mat and pumps from the wet well and Eq. tank, I have contacted several of our vendors to let them know this equipment is for sale.

The Transducers and mag meters were removed, these can be used at our pumping stations.

**Pa One Calls:**

We received 74 PA One calls for the Month of May.

**Alarms:**

12 alarms for the month of May.

2008 FLOWMETERS

2010 MAY 2ND QUARTER

Precip. Inches	DATE	WESTTOWN WAY		ELLIS LANE		FAOLI PIKE		WILSON DRIVE		SUMMIT		NET FLOWS
		READING	GPD	READING	GPD	READING	GPD	READING	GPD	READING	GPD	
0	05/01/10											0
0.5	05/02/10											0
1.27	05/03/10	1,637,576	1,365,000	13,650,449	155,845	7,604,043	86,305	8,821,754	48,173	20,400	20,400	1,074,678
0	05/04/10	1,639,137	1,561,000	13,669,172	187,230	7,614,181	101,380	8,828,374	66,200	20,400	20,400	1,206,190
0	05/05/10											0
0	05/06/10	1,641,994	1,428,500	13,701,297	160,625	7,632,070	89,445	8,842,359	69,925	20,400	20,400	1,108,505
0	05/07/10											0
0	05/08/10											0
0	05/09/10											0
0	05/10/10	1,647,200	1,301,500	13,760,188	147,228	7,666,053	84,958	8,863,096	51,843	20,400	20,400	1,017,473
0	05/11/10	1,648,477	1,277,000	13,774,429	142,410	7,673,858	78,050	8,866,361	52,850	20,400	20,400	1,003,690
0.12	05/12/10	1,649,827	1,350,000	13,789,542	151,130	7,682,816	89,580	8,874,263	58,820	20,400	20,400	1,050,470
0	05/13/10	1,651,142	1,315,000	13,804,675	151,330	7,691,429	86,130	8,880,242	59,790	20,400	20,400	1,017,750
0	05/14/10	1,652,427	1,285,000	13,818,874	141,990	7,699,986	85,570	8,886,221	59,790	20,400	20,400	997,650
0	05/15/10											0
0	05/16/10											0
0.68	05/17/10	1,656,224	1,265,667	13,861,072	140,660	7,725,670	85,613	8,897,503	37,607	20,400	20,400	1,001,787
0.44	05/18/10	1,657,496	1,272,000	13,874,556	134,840	7,734,377	87,070	8,901,962	44,590	20,400	20,400	1,005,500
0	05/19/10	1,658,901	1,405,000	13,890,777	162,210	7,743,659	92,820	8,907,004	50,420	20,400	20,400	1,099,550
0	05/20/10	1,660,179	1,278,000	13,904,889	141,120	7,752,152	84,930	8,912,375	53,710	20,400	20,400	998,240
0	05/21/10	1,661,477	1,288,000	13,918,426	135,370	7,760,648	84,960	8,917,854	54,790	20,400	20,400	1,022,880
0.3	05/22/10											0
0.8	05/23/10											0
0	05/24/10	1,665,149	1,224,000	13,958,382	133,187	7,766,365	85,723	8,928,987	37,110	20,400	20,400	967,980
0	05/25/10	1,666,361	1,212,000	13,970,960	125,780	7,794,548	81,830	8,934,214	52,270	20,400	20,400	952,120
0	05/26/10	1,667,695	1,334,000	13,984,905	139,450	7,803,525	89,770	8,940,097	58,830	20,400	20,400	1,045,950
0.62	05/27/10	1,668,961	1,266,000	13,998,534	136,290	7,812,134	86,090	8,945,860	57,630	20,400	20,400	985,990
0	05/28/10	1,670,241	1,280,000	14,012,114	135,800	7,820,823	86,890	8,952,833	69,730	20,400	20,400	987,580
0.15	05/29/10											0
0	05/30/10											0
0.00	05/31/10											0
4.88			1,317,648		145,694		87,062		54,671		20,400	1,030,221

DAILY LOC INQUIRER EG TWP

MONTH TO DATE  
 NORMAL MONTH TO DATE  
 YEAR TO DATE  
 NORMAL YEAR TO DATE (DL)



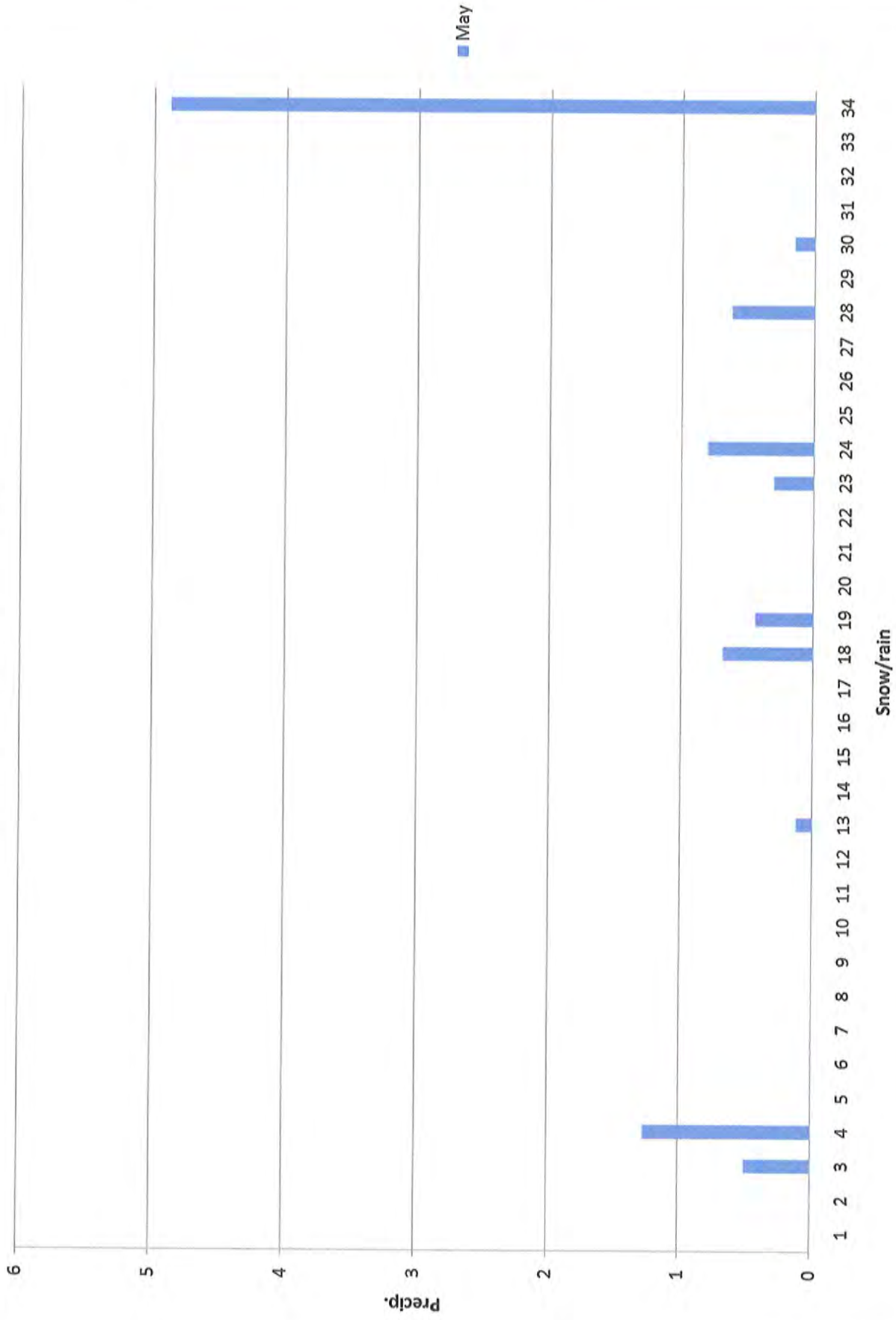


## 2010 SUMMARY OF METER READINGS

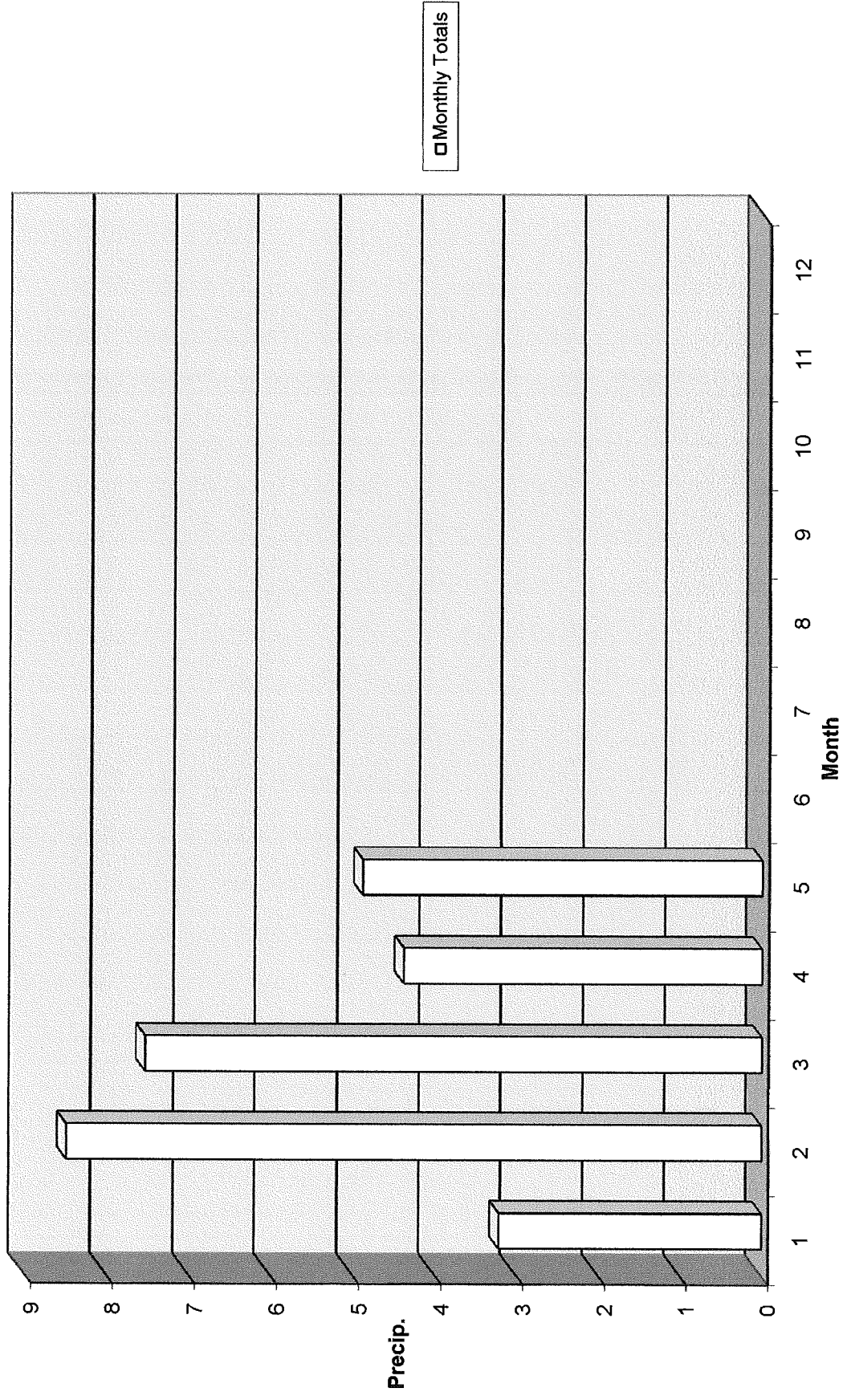
	WESTTOWN WAY	ELLIS LANE	PAOLI PIKE	WILSON DRIVE	SUMMIT	HERSHEY MILL	ASHBRIDGE	HICKS	RESERVOIR	SHERMAN	BARKWAY
JANUARY	1,425,517	123,265	81,325	63,991	20,400	83,711	103,900	363,921	882,367	5,627	13,543
FEBRUARY	1,462,759	132,866	74,793	70,879	20,400	77,500	103,327	332,371	906,362	5,456	13,156
MARCH	1,603,009	170,328	75,607	63,240	20,400	102,840	146,865	404,526	1,071,132	5,071	19,213
APRIL	1,545,846	174,279	89,043	67,148	20,400	85,455	126,703	386,665	991,262	5,303	13,956
MAY	1,317,648	145,694	87,062	54,671	20,400	63,587	86,855	355,426	836,562	5,802	11,248
JUNE											
JULY											
AUGUST											
SEPTEMBER											
OCTOBER											
NOVEMBER											
DECEMBER											
<b>Total Flows</b>											
<b>Monthly Ave</b>	<b>1,470,956</b>	<b>149,286</b>	<b>81,566</b>	<b>63,986</b>	<b>20,400</b>	<b>82,619</b>	<b>113,530</b>	<b>368,582</b>	<b>937,537</b>	<b>5,452</b>	<b>14,223</b>

To  
West Goshen                      1,176,118

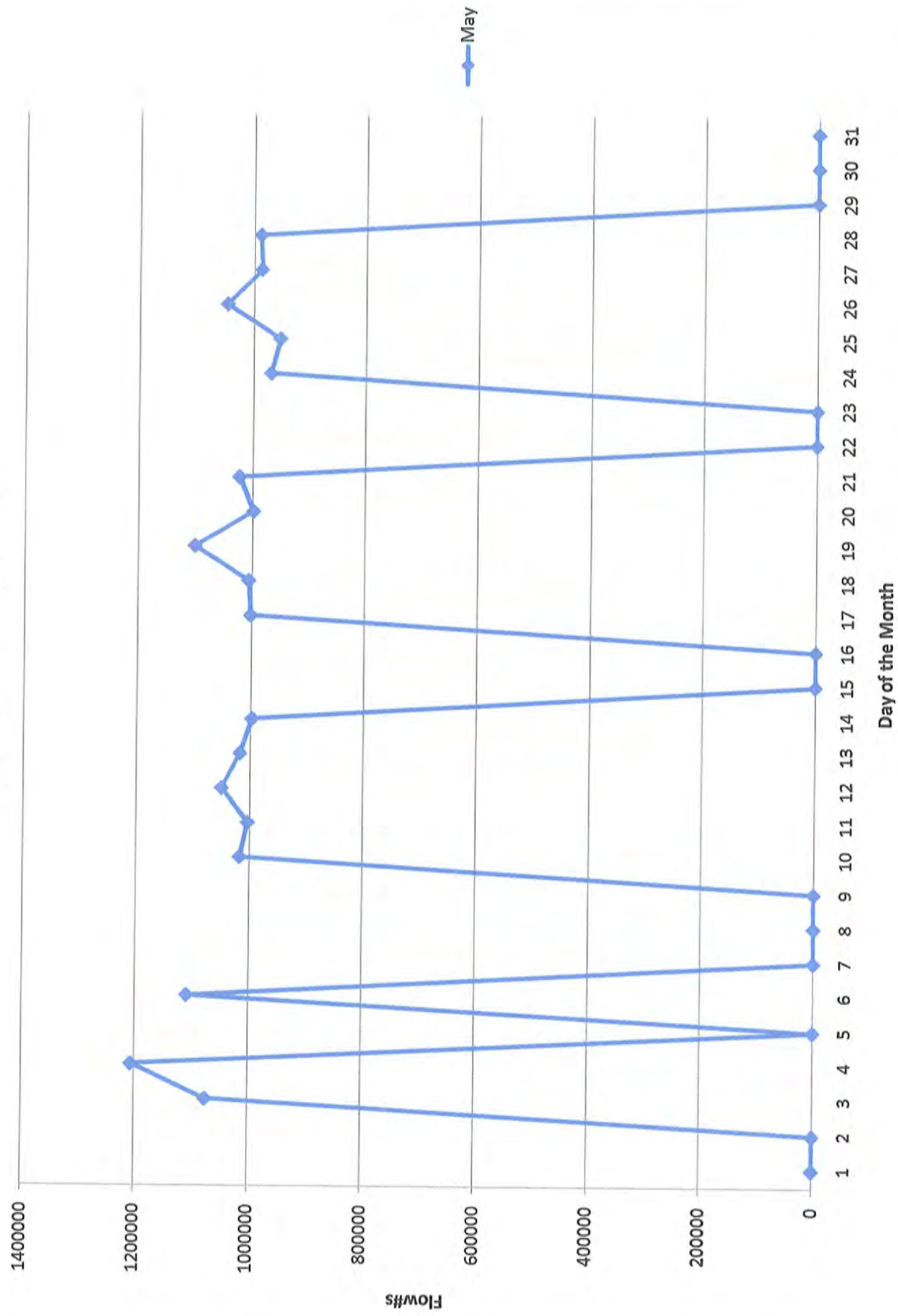
# May Precip. 4.88 - 2010



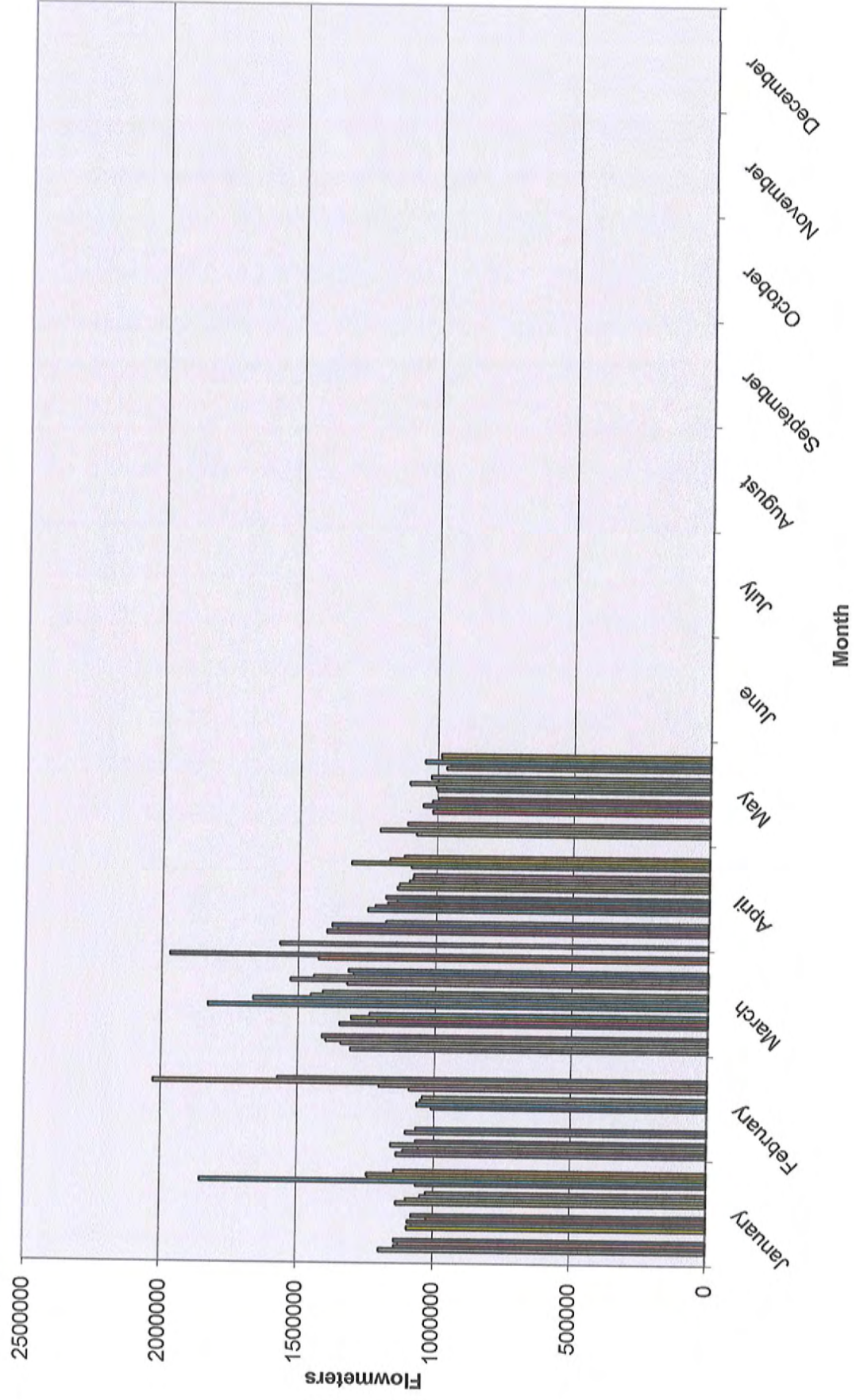
# Monthly Totals 2010 (Jan-Dec)



# Flowmeters May 2010



# Monthly Totals 2010 Jan-Dec



# BOARD OF SUPERVISORS

EAST GOSHEN TOWNSHIP

CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

**FYI**

May 20, 2010

Dear Property Owner:

The purpose of this letter is to inform you that Mr. Benjamin Mudry, 1137 N. Chester Rd., has applied for a Zoning Variance requesting relief from the zoning ordinance. Mr. Mudry is requesting dimensional relief from the side yard setback requirements of the ordinance; §240-9-G. The applicant proposes to construct a 330 square foot deck that will encroach 6 feet into the required 20' side yard setback area.

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

**This application is scheduled to be discussed during the meetings outlined below:**

**June 2, 2010** - Planning Commission meeting (workshop at 7 pm, formal meeting @ 7:30 pm)

**June 15, 2010** – Board of Supervisors meeting (workshop at 7:00 pm, formal meeting @ 8:00 pm)

**June 30, 2010** – Zoning Hearing Board (meeting @ 7:30 pm) (**Zoning Hearing**)

All meetings and hearings are held at the Township Building and are open to the public. This application and all associated information are available for review during normal business hours. Please give me a call at 610-692-7171 or email me at [mgordon@eastgoshen.org](mailto:mgordon@eastgoshen.org) if you have any questions or need additional information.

Sincerely,



Mark A. Gordon  
Township Zoning Officer

Cc: All Township Authorities, Boards and Commissions

**BOARD OF SUPERVISORS**  
EAST GOSHEN TOWNSHIP

CHESTER COUNTY  
1580 PAOLI PIKE, WEST CHESTER, PA 19380-6199

May 25, 2010

Dear Property Owner:

The purpose of this letter is to inform you that Liberty Towers, LLC has applied for a Zoning Variance requesting relief from the zoning ordinance. The applicant is requesting that the Zoning Hearing Board grant relief to allow a Wireless Communications Facility use in the C-2 Zoning District, and for dimensional relief from the rear yard setback requirements. If granted the relief the applicant proposes to construct a 150 foot tall Wireless Communications tower behind the Wawa store at 1594 Paoli Pike.

The applicant requests relief from the following sections of the Township Zoning Ordinance: §240-15.B and §240-15.G.

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

**This application is scheduled to be discussed during the meetings outlined below:**

**June 2, 2010** - Planning Commission meeting (workshop at 7:00 pm, formal meeting @ 7:30 pm)

**July 6, 2010** - Board of Supervisors meeting (workshop at 7:00 pm, formal meeting @ 8:00 pm)

**July 15, 2010** - Zoning Hearing Board (meeting @ 7:30 pm) (**Zoning Hearing**)

All meetings are held at the Township Building and are open to the public and are subject to change. The variance application is available for review during normal business hours. Please give me a call at 610-692-7171 or email me at [mkgordon@eastgoshen.org](mailto:mkgordon@eastgoshen.org) if you have any questions or need additional information.

Sincerely,



Mark A. Gordon  
Township Zoning Officer

Cc: All Township Boards and Commissions  
Richard J. Lemanowicz, Esq. (Via Email and First Class Mail)