

**EAST GOSHEN MUNICIPAL AUTHORITY**

**August 9, 2010**

**Monday, 7:00 PM**

1. CALL TO ORDER/PLEDGE OF ALLEGIANCE
  - a. Ask if anyone will be taping the meeting?
  - b. 7 to 8pm – Executive Session/Pending Legal Matter**
2. RIDLEY CREEK REPORTS
  - a. Brickhouse Environmental – Project Manager’s July 2010 Report
  - b. Pennoni – Engineers Report Dated August 5, 2010
  - c. Cost Summary Report Dated August 5, 2010
  - d. Change Orders – We will have one for Monday night to replace the cathodic protection for the DAVCO Tanks
  - e. Proposal for H2O Audit – July 1, 2010
  - f. Auto Dialer proposal
  - g. Proposal for Inspection Services – August 5, 2010
  - h. Consider authorizing sale of unneeded equipment.
3. RIDLEY CREEK INVOICES

a. Fastenal, #PAMAV3967, 6/29/10	\$ 193.93
b. Lenni Electric , #100646	\$ 1,019.00
c. Gawthrop Greenwood, #80671, 6/30/10	\$ 266.00
d. Hammond & McCloskey, #4616	\$ 328.70
e. Hach, #6818668	\$ 154.23
f. Hach, #6820686	\$ 347.26
g. Northern, #22150896	\$ 1,599.97
h. Pennoni, #446542	\$ 17,302.63
i. Worth, App. #20	\$ 426,170.00
j. Clinger, App. #16	\$ 33,313.24
k. Brickhouse, #5483	\$ 14,911.25
4. CHAIRMAN’S REPORT/OTHER MEMBERS REPORTS
5. APPROVAL OF MINUTES
  - a. July 12, 2010
6. ENGINEER’S REPORT
  - a. Pennoni Report – See August 5, 2010 Pennoni Report
7. APPROVAL OF INVOICES

a. Gawthrop Greenwood, #80670, 6/30/10	\$ 570.00
b. Maillie, Falconiero & Co., #84681, 6/16/10	\$ 1,900.00
c. Pennoni, #446544	\$ 472.50
8. LIAISON REPORTS
9. FINANCIAL REPORTS
  - a. August Report
10. GOALS
  - a. August Report
11. OLD BUSINESS
12. NEW BUSINESS

Monday, August 9, 2010

13. CAPACITY REQUESTS

14.

15. SEWER REPORTS

- a. Director of Public Works Report – July 2010
- b. East Goshen Township Flows for 2010
- c. Artesian Lockwood Chase Reports - July 2010
- d. Artesian Ridley Creek Report – July 2010

16. ANY OTHER MATTER

17. CORRESPONDENCE AND REPORTS OF INTEREST

- a. WGT 7/7/10 Meeting Minutes
- b. WGT Sewer Authority 2009 Annual Financial Statement

18.

19. PUBLIC COMMENT

20. ADJOURNMENT

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

**Article Due Date**

August 11, 2010

November 10, 2010

**Delivery date**

October 1, 2010

January 1, 2011

Monday, August 9, 2010

## Project Manager's July 2010 Report

### Executive Summary

Progress towards the completion of Phase II of the Ridley Creek Sewage Treatment Plant (RCSTP) upgrade and expansion project continued. Progress was achieved towards the installation of conduit and wiring for the equipment, control panels, sensor, light fixtures and general switches and receptacles within the sludge dewatering building. An August 17, 2010 date has been scheduled for start-up and training of the sludge dewatering equipment. Processing of sludge through the equipment is planned at the same time.

The ETMA Staff installed the drain piping from the existing building and connected it to the collection box prior to the influent wet well. Use of the treatment facility laboratory for process control testing has been utilized since the installation of the drain piping.

The interior and exterior painting of Davco tank #1 was completed. In addition, the hydrostatic testing was completed and passed the test. The interior of Davco tank #2 was completed with the exterior scheduled to be completed the week of August 9, 2010.

Operation of the SBRs and related equipment continued during the month. Paul Christensen of Siemens was on site from July 19 through the 22<sup>nd</sup> to provide troubleshooting and training. Adjustment to the programming was made in conjunction with Siemens and their programming subcontractor ICI. During the troubleshooting process, the SBR trend data indicates that a high organic loading may be present during the morning flows (ranging from 5:00 AM through Noon) This high loading adversely affects approximately two (2) cycles of the of the SBR process. Investigation towards identifying and quantifying the diurnal loading is ongoing. The aluminum sulfate chemical feed system activation has been delayed due to programming, wiring and pump operation issues.

A meeting between representatives from the Municipal Authority and the Authority's Solicitor was conducted on August 5, 2010 to discuss the outstanding claims by Wm. H. Clinger Corporation.

**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: August 5, 2010**

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

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**I. General Construction**

- 1. Influent Meter Vault**  
Allied Control Services (ACS) was on site to repair the flow meter under warranty.
- 2. Influent Lift Station**  
No change in status
- 3. Manhole Number 1**  
No change in status
- 4. Storm Water Bio Retention Pond No. 2 (Adjacent to Manhole No. 1)**
  - a. On July 20, 2010, the landscaper delivered and planted the shrubs within the bio-retention basin.
- 5. Screening Building**
  - a. On July 7, 2010, Spotts, the roofing contractor, completed the installation of the soffit and fascia on the Screening building.
- 6. Influent Force Main to SBRs**  
No change in status.
- 7. SBR Effluent Discharge, Disc Filter Feed Suction & WAS Piping**
  - a. The pipe and fittings from the SBRs to the Davco tanks is completed.
  - b. On July 12, 2010, the internal check valves for the disc filter feed pumps were installed. Installation of the pump suction piping and gates valves was initiated.
  - c. On August 3, 2010, installation of the disc filter feed pump suction and discharge piping was completed.

8. **Flocculation Tank**
  - a. Adjustment of the FRP decking parallel to the new treatment building remains to be completed.
9. **Disc Filters and Associated Equipment**

No change in status
10. **SBR Basins**

The davits for the pump lifting hoist were installed.
11. **SBR Equipment**

No change in status.
12. **Treatment Building**
  - a. Installation of the insulation and aluminum casing for the blower discharge piping located within the electric room was completed.
  - b. The aluminum sulfate feed system wiring and controls to the SBRs were field verified. The Watson Marlow manufacturer representative has been requested to determine the correct programming for the pumps.
13. **Treatment Building Roof**

No new activity
14. **UV Disinfection System**

No new activity
15. **Effluent Collection Box**

No change in status
16. **Effluent Overflow Box**

No change in status
17. **Utility Water Piping**

No change in status
18. **Apple Brook Discharge**

No change in status.
19. **Electrical**
  - a. On July 5, 2010, Wm. H. Clinger Corporation provided two (2) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster and centrifuge rooms continued.

- b. On July 6, 2010, Wm. H. Clinger Corporation provided two (2) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster, centrifuge and pump rooms continued.
- c. On July 7, 2010, Wm. H. Clinger Corporation provided four (4) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster, centrifuge and pump rooms continued.
- d. On July 8, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and two apprentices. The foreman was on site for ½ day. Adjusting the movs for the alum fed system and installing conduit.
- e. On July 9, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and two apprentices. Installation of conduit within the centrifuge room and light fixtures within the sludge dumpster room.
- f. On July 12, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and apprentice. Matt Burke on vacation this week. Installation of conduit and junction boxes within the centrifuge and dumpster rooms of the sludge dewatering building.
- g. On July 13, 2010, Wm. H. Clinger provided two (2) employees on site. One electrician and two apprentices. Matt Burke is on vacation. Assisted General Electric representatives with replacement variable frequency drive (VFD) for blower number 3 was replaced. Assisted Khloros with troubleshooting and adjusting the movs for the alum feed system.
- h. On July 14, 2010, Wm. H. Clinger Corporation not on site today.
- i. On July 15, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Matt Burke is on vacation. Installing conduit in the centrifuge room and pulling wires from centrifuge room to the pump room. Also working on installing conduit for the heaters within the dumpster and pump rooms.
- j. On July 15, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Matt Burke is on vacation. Pulling wires from the centrifuge room to the MCC.
- k. On July 19, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Installing light fixtures within the dewatering building and pulling wires.
- l. On July 20, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Installing conduits within the dewatering building dumpster room and seal-tite conduit to the motors for the sludge conveyors.
- m. On July 21, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Matt Burke was called off site

- to another job around 11:00 AM. Khloros was on site repairing and adjusting the alum feed system movs. Installing seal-tite conduit to the centrifuge motors.
- n. On July 22 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Matt Burke on site for ½ day, departed after status meeting. Installing wires and conduit within the sludge dewatering building pump room.
  - o. On July 23, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentices. Installing wires and conduit within the sludge dewatering building pump and centrifuge rooms. Foreman assisted Khloros with setting, adjusting and programming the Watson Marlow alum feed pumps and movs. All movs are operational.
  - p. On July 26, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Installing disconnect switches for the disc filter feed pumps. Installing conduit within the centrifuge room.
  - q. On July 27, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Installing wires and conduit within the sludge dewatering building centrifuge room. Pulling wires for the exhaust fans with the sludge dewatering building.
  - r. On July 28, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Matt Burke on site ½ day. Completing the installation of the disc filter feed pumps, wiring to the sludge conveyor s and alum feed controls.
  - s. On July 30, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working on the controls and limit switches for the slide gates for the reversing sludge conveyor.
  - t. On August 2, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working on the wiring for the filter feed pumps to the MCCC and wiring within the sludge dewatering building.
  - u. On August 3, 2010, Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working of power cables for the centrifuge motors and the disc filter feed pumps.
  - v. On August 4, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Installing conduit above the centrifuge platform. Began working on the lay out of the wiring for the home run duct bank between the new treatment and existing control buildings, Wire pull strings were placed through the home run conduits. This is the first day of work involving the home run dust bank (aka “additional duct bank”). It is estimated that one apprentice spent ¾ of the day on this task.

**20. Aeration Piping**

No change in status.

**21. New Sludge Dewatering Building**

- a. On July 6, 2010, Worth & Co provided a crew of two (2) men on site and worked on the sludge conveyor support system, and WAS piping brackets on the exterior of the Davco tanks.
- b. On July 12, 2010, Worth & Co. installed the SBR effluent and disc filter feed pipe fittings on the Davco tank, concentric fitting on the pumps, WAS piping and telescopic valves.
- c. On July 13, 2010, Worth & Co. installed the overhead doors on the sludge dewatering building, replacement steel entrance doors, welded the sludge conveyor I-Beam supports and sludge piping to the grinder.
- d. On July 19, 2010, the exterior finish system & insulation (EFIS) began to be applied to the exterior of the sludge dewatering building. The waterproofing coating and insulation were installed.
- e. On July 20, 2010, Worth & Co. installed the aeration manifold in Davco #1 and working on the disc filter feed discharge piping manifold. The painters completed the finish coat of interior paint within the dumpster room. The EFIS contractor sanded the insulation and began applying the first layer of mesh and cement mortar on the exterior of the building.
- f. On July 21, 2010, Worth & Co. completed the disc filter feed pump discharge manifold, installed the hoist davits on the SBRs and imitated work on the air compressor. The EFIS contractor completed the application of the mesh and cement mortar to the exterior of the building.
- g. On July 20, 2010, Cornerstone masonry contractors were on site installing the masonry lintel for the intake louver within the sludge pump room.
- h. On July 23, 2010, the centrifuge platform arrived today and assembly was initiated.
- i. On July 26, 2010, installation of the polymer and water piping within the centrifuge room, pipe stands for the disc filter feed manifold piping and patched lifting holes on the floc tank.
- j. On July 27, 2010, Worth & Co. continuing to assemble and install the centrifuge platform. The platform requires modification and Worth submitted a plan to Pennoni Associates for review and approval. Began transferring groundwater to Davco #1 to perform the hydrostatic test.
- k. On July 28, 2010, Worth & Co. poured the concrete housekeeping pads for the centrifuge polymer system and air compressor. Pennoni responded to Worth's modification to the centrifuge



platform. Completed the installation of the utility water piping within the centrifuge room.

1. Worth & Co. continuing to fill Davco #1 with groundwater, completed the disc filter feed suction and discharge piping manifolds, completed the air compressor and air lines within the sludge dewatering building.

## 22. **DAVCO Painting & Refurbishment**

- a. On July 6, 2010, crews of three (3) men were on site painting Davco #1 tank hand rails and begin sand blasting and applying the first coat of paint to Davo #2 former clarifier tank area.
- b. On July 7, 2010, a crew of three (3) men were on site continuing with painting Davco #1 tank hand rails and begin sand blasting and applying the first coat of paint to Davo #2 former clarifier tank area.
- c. On July 8 and 9, 2010, a crew of five (5) men were on site applying block filler coating to the interior walls of the sludge dewatering building. The interior of Davco #1 former clarifier tank was sand blasted coated with the first of three applications of paint. The former sludge holding tank area was sand blasted and coated with the first application of paint.
- d. On July 12, 2010, a crew of five (5) men was on site applying block filler to the interior walls of the centrifuge and dumpster rooms.
- e. On July 14, 2010, a crew of three (3) men was on site applying block filler to the interior of the sludge dewatering building.
- f. On July 19, 2010, a crew of three (3) men began applying the finish coat of paint to the interior of the sludge dewatering building.
- g. On July 20, 2010, a crew of three (3) men completed the application of the finish coat of paint on the interior of the dumpster room and approximately half of the centrifuge room. Sand blasting and painting the interior of Davco #2 continued.
- h. On July 21, 2010, a crew of five (5) completed the finish coat of paint on the interior of the dumpster and centrifuge rooms. Approximately one third of the interior of Davco #2 was observed to be sand blasted and applied with the initial coat of paint.
- i. On July 22, 2010, a crew of three (3) men was on site continuing to sand blast and paints the interior of Davco #2 and applies touch up paint to the hand rails and walkway on Davco #1.
- j. On July 23, 2010, a crew of four (4) men was on site continuing to sand blast and paints the interior of Davco #2. The interior of the sludge pump room walls and ceiling was completed. Application of paint on the exterior of the flocc tank was initiated.

- k. On July 26, 2010, a crew of three (3) men was on site cleaning spent ballast from Davco #1.
- l. On July 27, 2010, a crew of three (3) men was on site sand blasting and painting the hand rails and walkways on Davco #2. Application of the first coat of paint on the interior tank walls of Davco #2 walls was completed.
- m. On July 28, 2010, a crew of three (3) men was on site continuing to sand blast and paints the hand rails and walkways on Davco #2.
- n. On July 29, 2010, a crew of three (3) men was on site applying the final coat of paint to the interior of Davco #2. The hand rails and walkways were painted with the finish color.
- o. On July 30, 2010, application of the finish coat of paint on the former clarifier and sludge holding tank areas on the interior of Davco #2 was completed. Approximately half of the former aeration tank area was painted. The exterior of the flocculation tank painting was completed.

**23. Demolition**  
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.

**25. Payment Requests**

- a. Worth & Company pencil payment review was conducted on July 28, 2010.
- b. Wm. H. Clinger Corporation pencil payment review was conducted on August 4, 2010.

**26. Release of Liens**

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

**27. Meetings**

- a. On July 8, 2010, attended the biweekly construction progress meeting at the wastewater treatment facility.
- b. On July 12, 2010, prepared for and attended the East Goshen Township Municipal Authority. The meeting included an executive session for discussion of pending legal matters.
- c. On July 22, 2010, attended the biweekly construction progress meeting at the wastewater treatment facility.
- d. On July 26, 2010, attended a PADEP inspection performed by Dave Wolfinger (PADEP).

**28. Correspondence**

No formal letters were issued during the month

**29. Extras Identified During the month**

None

**30. 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.

**31. Issues for Reconciliation**

- a. Verify influent diurnal organic loadings, specifically between 5:00 AM and 12:00 PM to adjust operational strategy for improving the treatment process.
- b. Pennoni Associates, Inc. formal letter response to East Goshen Township Municipal Authority regarding Clinger's March 15, 2010 letter.
- c. 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.
- d. Worth & Company issued a letter dated February 15, 2010 requesting for a substantial completion date of September 30, 2010.
- e. Worth and Company change orders for the structural steel modifications to the new treatment and screening buildings.

**32. Concerns to Monitor**

- a. Grit and debris accumulation in the influent flow channel prior to the grinder and screening unit.
- 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. Performance of the SBR treatment process, specifically dissolved oxygen concentrations, aeration time, organic loadings and process control.
- d. Alkalinity feed system.
- e. Separation of the internal recycles flow volumes from the influent flow meter for accurate determination of the influent flows.
- f. Adjustment of the FRP decking parallel to the new treatment building remains to be completed.
- g. Expenses and or schedule delays related to resolving the conflict with the sludge conveyor and sludge platform as identified on June 29, 2010. Corrective actions required engineering review, approval and modification to the centrifuge support stand system. Additional changes were required as of July 27, 2010, which were later approved on July 28,, 2010.
- h. Auto dialer for the new SBR treatment building has malfunctioned on several occasions. As of August 4, 2010, the unit was removed for repair.

**33. Equipment Start-up**

August 17, 2010 is scheduled for the centrifuge and sludge conveyor start up and training.

**MEMORANDUM**

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

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

**DATE:** August 5, 2010

**SUBJECT:** Engineer's Report

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**RCSTP Upgrade and Expansion**

- Construction phase services continue including: progress meetings with the Contractors and Township every other Thursday; observation services continue including coordination and communication with Brickhouse and the Township; receipt, review, and return of Contractor submittals; negotiation, review, and approval of Payment Requests.
- A breakdown of effort expended over the past month by Pennoni is provided with the invoice detail.
- An estimate of Pennoni effort to observe the remaining construction, start-up activities, contract close-out, and as-built drawing preparation is being provided separately. The new tentative substantial completion date is August 27, 2010, as presented by Worth and Co. at the August 5, 2010 progress meeting.

**RCSTP Soda Ash System**

- Pennoni has been investigating the Acrison dry chemical feed system for possible application at the RCSTP. Vendor provided cost estimate, purchase has been tabled by the Board.

**I/I Metering Project**

- The Township continues to meter flows at selected locations. Metering data is being reviewed for the period of March through June. Meters are still installed and collecting data. Township to provide updated data.

**Ridley Creek Consent Order**

- The third Semi-Annual Report was prepared and submitted to DEP on March 26, 2010 as required by the CO&A. The next report is due to DEP by September 30, 2010 and will address comments received from Mr. Goldberg on 6/8/2010.

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

- These documents were provided to the Township for submittal to DEP. Received comments from DEP and in process of addressing.

**Marydell PS Elimination Planning**

- The notification letters (Component 4) and associated documents are being prepared for distribution to planning and health department for their review and comment.

EAST GOSHEN MUNICIPAL AUTHORITY  
RIDLEY CREEK EXPANSION PROJECT  
SUMMARY

Includes bills paid at 7/12 meetings

August 5, 2010

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%
<b>Worth</b>					
change orders	\$7,865,400.00	\$299,633.25	\$6,713,595.62	\$1,151,804.38	85.36%
Clinger	\$4,024.34	\$0.00	\$0.00	\$4,024.34	0.00%
change orders	\$974,000.00	\$40,633.52	\$877,832.96	\$96,167.04	90.13%
	\$31,862.00	\$0.00	\$0.00	\$31,862.00	0.00%
<b>Pennoni (Inspection) (05)</b>					
Pennoni (Continued Services) (10)	\$136,200.00	\$0.00	\$136,197.62	\$2.38	100.00%
Pennoni (Rechargeable) (06)	\$133,200.00	\$17,901.25	\$129,006.73	\$4,193.27	96.85%
Brickhouse	\$20,000.00	\$0.00	\$12,961.75	\$7,038.25	64.81%
	\$175,000.00	\$11,845.00	\$124,803.75	\$50,196.25	71.32%
<b>Extras</b>					
Capital	\$42,367.66	\$1,096.03	\$96,377.71	-\$54,010.05	227.48%
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	\$540.17	\$11,423.28	\$576.72	95.19%
<b>EXPENSES TOTAL</b>	<b>\$9,520,000.00</b>	<b>\$371,649.22</b>	<b>\$8,154,449.42</b>	<b>\$1,365,550.58</b>	<b>85.66%</b>
<b>RECEIPTS</b>					
Grant	\$464,195.00				
Pennoni (Rechargeable)	-\$20,000.00	\$0.00	\$0.00	-\$20,000.00	0.00%
<b>NET</b>	<b>\$9,964,195.00</b>	<b>\$371,649.22</b>	<b>\$8,154,449.42</b>	<b>\$1,345,550.58</b>	

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

Worth	\$353,348.72	5%
Clinger	\$47,955.08	5%
<b>Total</b>	<b>\$401,303.80</b>	

We have identified \$56,357 in potential extras.  
We also have \$464,195 in Grant Money available

EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 DETAIL  
 August 5, 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	\$267,975.00		Worth & Company	Application #6
	7/3/12/2009	\$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	\$374,772.82		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
	5/31/2010	\$178,290.62		Worth & Company	Application #18
	6/30/2010	\$299,633.25		Worth & Company	Application #19
		\$6,713,595.62	\$6,713,595.62		
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	\$10,856.98		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)
	5/2/2010	\$13,575.79		Clinger	Application #13
	6/30/2010	\$34,539.38		Clinger	Application #14
		\$40,633.52		Clinger	Application #15
		\$877,832.96	\$877,832.96		

Pennoni



Date	Amount	Subtotals	Name	Description
10/30/2008	\$712.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU ?
12/5/2008	\$943.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 10/19/08
1/15/2009	\$18,115.98		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 1/130/08
2/5/2009	\$12,929.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 12/28/08
3/19/2009	\$13,352.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 1/25/09
4/8/2009	\$31,288.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 3/1/09
5/6/2009	\$29,010.46		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 3/29/09
7/29/2009	\$22,436.46		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 4/26/09
12/30/2010	\$3,528.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 7/19/09
1/29/2010	\$16,482.50		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 12/31/10
2/23/2010	\$24,224.58		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 1/17/10
4/1/2010	\$13,057.00		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 2/14/10
5/5/2010	\$19,243.40		PENNONI ASSOCIATES INC.	RCSTP EXP.PROJ.SERV. THRU 2/14/10
5/25/2010	\$18,810.50		PENNONI ASSOCIATES INC.	Through 4/18/2010
6/29/2010	\$19,287.50		PENNONI ASSOCIATES INC.	Through 5/16/2010
	\$17,901.25		PENNONI ASSOCIATES INC.	Through 6/20/10
	\$261,323.13	\$261,323.13		

Pennoni (rechargeable)				
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		

Brickhouse				
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
6/1/2010	\$10,321.25		BRICKHOUSE	May-10
7/1/2010	\$11,845.00		BRICKHOUSE	Jun-10
	\$124,803.75	\$124,803.75		

Extras - Capital - Paid				
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

Date	Amount	Subtotals	Name	Description
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 SUBGRADE 2 AGGREGATE
12/15/2008	\$2,089.39		LENNI ELECTRIC CORPORATI	TEMP SERV. FOR TRAILER - RIDLEY CRK
12/31/2008	\$120.00		LENNI ELECTRIC CORPORATI	SEWER PLANT - GUY WIRE RELOCATE
12/29/2008	\$7,865.00		MACANGA INC.	TRUCK & TRACKHOE RENTAL 12/5-12/18
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
12/1/2008	\$813.74		PIPE XPRESS INC.	BURIAL HYDRANT, BRASS CURB STOP, &
12/15/2008	\$129.00		RAM-T CORPORATION	2 FT. SILT FENCE
12/29/2008	\$1,183.00		RANSOME RENTAL COMPAN	CATERPILLAR - TRUCK LOADER RENTAL
12/1/2008	\$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 CORPORATI	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
1/19/2009	\$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		Granger	Hose Reel 1 inch
12/18/2009	\$267.98		Granger	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		Granger	Hose
3/31/2010	\$247.00		GAWTHROP GREENWOOD	LEGAL
4/7/2010	\$70.15		GREAT VALLEY LOCKSHOP	6 locks
4/14/2010	\$641.98		Granger	Shelving
4/15/2010	\$1,127.48		Continental Fire & Safety	3" & 1.75" Hose
4/16/2010	\$28.58		Granger	Phone

Date	Amount	Subtotals	Name	Description
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
6/28/2010	\$69.99		VERIZON	INTERNET
	\$986.46	\$986.46		
<b>Trailer, Phone, Porta Potty &amp; Internet Total</b>		<b>\$11,423.28</b>		

EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 CHANGE ORDERS  
 August 5, 2010

WORTH	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
	9	-\$20,000.00	2/8/10	Credit for Electric Wages	APPROVED	NO
	19	-\$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	Paint DAVCO WALKWAYS	APPROVED	NO
	22	-\$13,875.00	5/20/10	Credit for concrete	APPROVED	NO
	24	\$5,932.27	6/14/10	Additional block Sludge building	APPROVED	NO
Total		<b>-\$1,400.64</b>				

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		SERVICE DISCONNECT	APPROVED	NO
Total		<b>\$31,862.00</b>	4/12/10	Applebrook Pump	APPROVED	NO

**EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK CAPITAL EXPANSION PROJECT  
 POTENTIAL EXTRAS/RECEIPTS  
 August 5, 2010**

**Potential capital extras**

Pipe conduit Conflicts		
Controls	\$10,000	
Sludge room retrofit		
HVAC Thermostats	\$5,000	
Cathode Protection	\$10,000	
Treatment Tanks	\$0	
Electrician (increase in wages)	\$20,000	
UV Channel	\$11,357	
<b>Total potential extras</b>	<b>\$56,357</b>	<b>\$56,357</b>

**Potential Receipts**

<b>Total Potential Receipts</b>	<b>\$0</b>	<b>\$0</b>
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EAST GOSHEN MUNICIPAL AUTHORITY  
 RIDLEY CREEK EXPANSION PROJECT  
 PROJECTED FINAL COSTS

Best guess based on what we know today

August 5, 2010

Name	Budget or Contract amt.	Paid to Date	Projected Final Cost
<b>EXPENSES</b>			
Borrowing costs	\$52,250.00	\$52,250.00	\$52,250.00
<b>Worth</b>			
change orders	\$7,865,400.00	\$6,713,595.62	\$7,865,400.00
Clinger	\$4,024.34	\$0.00	\$35,000.00
change orders	\$974,000.00	\$877,832.96	\$974,000.00
	\$31,862.00	\$0.00	\$31,862.00
<b>Pennoni (Inspection) (05)</b>			
Pennoni (Continued Services) (10)	\$136,200.00	\$136,197.62	\$136,197.62
Pennoni (Rechargeable) (06)	\$133,200.00	\$129,006.73	\$183,000.00
Brickhouse	\$20,000.00	\$12,961.75	\$12,961.75
	\$175,000.00	\$124,803.75	\$155,000.00
<b>Extras</b>			
Capital	\$42,367.66	\$96,377.71	\$110,000.00
Capital (Identified but not paid)	\$73,696.00	\$0.00	\$73,696.00
Trailer, Phone, Porta Pot & Internet	\$12,000.00	\$11,423.28	\$13,500.00
<b>EXPENSES TOTAL</b>	<b>\$9,520,000.00</b>		<b>\$9,642,867.37</b>
<b>RECEIPTS</b>			
Pennoni (Rechargeable)	-\$20,000.00	\$0.00	\$0.00
<b>NET</b>	<b>\$9,500,000.00</b>		<b>\$9,642,867.37</b>
Grant		\$464,195.00	

Worth Change Orders assumes we will spend \$11,357 for the UV Channel \$12,000 for Cathode Protection and \$10,000 for Unknown  
 Extras Capital assumes \$10,000 for unknown

~~NEW BUSINESS~~  
[Signature]

combined with acknowledgment of other funding sources on project signs or in project publications.

ARTICLE XIV  
CONTRACT AUDIT AND CLOSEOUT REQUIREMENTS

2e

This Grant is funded entirely with state funds. If the amount of the Grant is less than \$100,000.00 the Grantee is exempt from all audit requirements and should refer to the procedures issued by the Grantor for instructions on closeout of this Grant.

If the amount of the Grant is \$100,000.00 or more, a final audit of the entire Grant (Project Audit) is required by the Grantor within 120 days after the termination of project activities but no later than 120 days after the Grant termination date. This audit is the responsibility of the Grantee. Audits performed under the Single Audit Act of 1984 will not be accepted in lieu of a Project Audit required under this Grant.

The Project Audit must be performed by a certified public accountant. The Grantee is responsible for securing a qualified auditor, however, the Grantor reserves the right of selection or prior approval of the independent auditor to perform the audit. The Project Audit must be a financial audit conducted in accordance with the provisions of the U.S. General Accounting Office's Government Auditing Standards, current revision, and contain all the requirements detailed in the Grantor's "Procedures for Closeout of Grants." Unless otherwise authorized by the Grantor, the audit must include those funds received under this Grant as well as any required private match funds and encompass the entire Grant Activity Period. Other grant periods may also be specified at the discretion of the Grantor and the Grantor reserves the right to designate additional compliance factors for state financial assistance programs.

The Grantor will determine any overpayment or underpayment and any additional auditing deemed necessary and inform the Grantee of the settlement amount.

The Grantee agrees that if the final audit of the Grant as accepted by the Grantor or any duly authorized representative discloses that the full amount of the Grant was not required to complete the project or that funds were improperly used, then the funds unused, improperly used or expended but not required to complete the project, shall be repaid to the Grantor with interest unless otherwise directed in writing by the Grantor.

The Commonwealth reserves the right for state agencies or their authorized representative to perform additional audits of a financial or performance nature if deemed necessary. Any such additional audit work will rely on work already performed by the Grantee's auditor, and the costs for any additional work performed by the state or federal agencies will be borne by those agencies at no additional expense to the Grantee.

All terms and conditions of this Grant will remain in effect and be binding upon the parties thereto until a final audit is submitted and accepted by the Grantor.

None of the above provisions under this article exempts the Grantee from maintaining records of state financial assistance programs or providing upon request, access to such records to the Grantor or its authorized representatives.

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WE NEED TO AUDIT FOR H<sub>2</sub>O GRANT.  
RS



MAILLIE, FALCONIERO & COMPANY, LLP  
*Certified Public Accountants and Business Counselors*

2009

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2010 JUL 9 PM 12 17

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James M. Powers  
Glenn B. Bachman  
D. Scott Detar  
Raymond T. Mock  
Robert L. Caruso  
Edward J. Furman  
Robert L. Boland  
Robert M. Manero

July 1, 2010

To The Members of The Board  
East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester, PA 19380

We are pleased to confirm our understanding of the services we are to provide the East Goshen Municipal Authority for the period ended June 30, 2012. We will audit the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 statement of contract revenues and expenses, budget vs. actual for the period from September 1, 2008 to June 30, 2012.

Supplementary information also accompanies the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819's financial statements. We will subject the following supplementary information to the auditing procedures applied in our audit of the basic financial statements:

1. Schedule of Findings and Questioned Costs.

#### Audit Objectives

The objective of our audit is the expression of an opinion as to whether the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 are fairly presented, in all material respects, in conformity with U.S. generally accepted accounting principles. Our audit will be conducted in accordance with auditing standards generally accepted in the United States of America and the standards for financial audits contained in *Government Auditing Standards*, issued by the Comptroller General of the United States, and will include tests of the accounting records of East Goshen Municipal Authority and other procedures we consider necessary to enable us to express such an opinion. If our opinion on the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 is other than unqualified, we will fully discuss the reasons with you in advance. If, for any reason, we are unable to complete the audit or are unable to form or have not formed an opinion, we may decline to express an opinion or to issue a report as a result of this engagement.





To The Members of The Board  
East Goshen Municipal Authority

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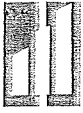
July 1, 2010

We will also provide a report (that does not include an opinion) on internal control related to the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 and compliance with laws, regulations and the provisions of contracts or grant agreements, noncompliance with which could have a material effect on the financial statements as required by *Government Auditing Standards*. The report on internal control and compliance will include a statement that the report is intended solely for the information and use of management, the body or individuals charged with governance, others within the entity and specific legislative or regulatory bodies and is not intended to be and should not be used by anyone other than these specified parties. If, during our audit, we become aware that East Goshen Municipal Authority is subject to an audit requirement that is not encompassed in the terms of this engagement, we will communicate to management and those charged with governance that an audit in accordance with U.S. generally accepted auditing standards and the standards for financial audits contained in *Government Auditing Standards* may not satisfy the relevant legal, regulatory, or contractual requirements.

### Management Responsibilities

Management is responsible for the basic financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 and all accompanying information as well as all representations contained therein. As part of the audit, we will assist with preparation of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 financial statements and related notes. You are responsible for making all management decisions and performing all management functions relating to the financial statements and related notes and for accepting full responsibility for such decisions. You will be required to acknowledge in the management representation letter our assistance with preparation of the financial statements and that you have reviewed and approved the financial statements and related notes prior to their issuance and have accepted responsibility for them. Further, you are required to designate an individual with suitable skill, knowledge, or experience to oversee any nonaudit services we provide and for evaluating the adequacy and results of those services and accepting responsibility for them.

Management is responsible for establishing and maintaining effective internal controls, including monitoring ongoing activities to help ensure that appropriate goals and objectives are met; for the selection and application of accounting principles; and for the fair presentation in the financial statements of the respective financial position of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 of the East Goshen Municipal Authority in conformity with U.S. generally accepted accounting principles.



To The Members of The Board  
East Goshen Municipal Authority

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July 1, 2010

Management is also responsible for making all financial records and related information of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 available to us and for ensuring that management and financial information is reliable and properly recorded. Your responsibilities include adjusting the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 to correct material misstatements and for confirming to us in the representation letter that the effects of any uncorrected misstatements aggregated by us during the current engagement and pertaining to the latest period presented are immaterial, both individually and in the aggregate, to the financial statements taken as a whole.

You are responsible for the design and implementation of programs and controls to prevent and detect fraud, and for informing us about all known or suspected fraud affecting the government involving (1) management, (2) employees who have significant roles in internal control and (3) others where the fraud or illegal acts could have a material effect on the financial statements. Your responsibilities include informing us of your knowledge of any allegations of fraud or suspected fraud affecting the government received in communications from employees, former employees, grantors, regulators, or others. In addition, you are responsible for identifying and ensuring that the entity complies with applicable laws, regulations, contracts, agreements and grants and for taking timely and appropriate steps to remedy any fraud, illegal acts, violations of contracts or grant agreements, or abuse that we may report.

Management is responsible for establishing and maintaining a process for tracking the status of audit findings and recommendations. Management is also responsible for identifying for us previous financial audits, attestation engagements, performance audits, or other studies related to the objectives discussed in the Audit Objectives section of this letter. This responsibility includes relaying to us corrective actions taken to address significant findings and recommendations resulting from those audits, attestation engagements, performance audits, or other studies. You are also responsible for providing management's views on our current findings, conclusions and recommendations, as well as your planned corrective actions, for the report, and for the timing and format for providing that information.

With regard to the electronic dissemination of audited financial statements, including financial statements published electronically on your website, you understand that electronic sites are a means to distribute information, and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.



To The Members of The Board  
East Goshen Municipal Authority

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July 1, 2010

#### Audit Procedures - General

An audit includes examining, on a test basis, evidence supporting the amounts and disclosures in the financial statements; therefore, our audit will involve judgment about the number of transactions to be examined and the areas to be tested. We will plan and perform the audit to obtain reasonable rather than absolute assurance about whether the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 are free of material misstatement, whether from (1) errors, (2) fraudulent financial reporting, (3) misappropriation of assets, or (4) violations of laws or governmental regulations that are attributable to the entity or to acts by management or employees acting on behalf of the entity. Because the determination of abuse is subjective, *Government Auditing Standards* do not expect auditors to provide reasonable assurance of detecting abuse.

Because an audit is designed to provide reasonable, but not absolute, assurance and because we will not perform a detailed examination of all transactions, there is a risk that material misstatements may exist and not be detected by us. In addition, an audit is not designed to detect immaterial misstatements or violations of laws or governmental regulations that do not have a direct and material effect on the financial statements. Our responsibility as auditors is limited to the period covered by our audit and does not extend to later periods for which we are not engaged as auditors.

Our procedures will include tests of documentary evidence supporting the transactions recorded in the accounts, and may include tests of the physical existence of inventories, and direct confirmation of receivables and certain other assets and liabilities by correspondence with selected individuals, funding sources, creditors and financial institutions. We will request written representations from your attorneys as part of the engagement, and they may bill you for responding to this inquiry. At the conclusion of our audit, we will require certain written representations from you about the financial statements of the Commonwealth of Pennsylvania H2O PA Grant Contract # C000045819 and related matters.



To The Members of The Board  
East Goshen Municipal Authority

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July 1, 2010

### Audit Procedures - Internal Controls

Our audit will include obtaining an understanding of the entity and its environment, including internal control, sufficient to assess the risks of material misstatement of the financial statements and to design the nature, timing and extent of further audit procedures. Tests of controls may be performed to test the effectiveness of certain controls that we consider relevant to preventing and detecting errors and fraud that are material to the financial statements and to preventing and detecting misstatements resulting from illegal acts and other noncompliance matters that have a direct and material effect on the financial statements.

Our tests, if performed, will be less in scope than would be necessary to render an opinion on internal control, and, accordingly, no opinion will be expressed in our report on internal control issued pursuant to *Government Auditing Standards*.

An audit is not designed to provide assurance on internal control or to identify significant deficiencies. However, during the audit, we will communicate to management and those charged with governance internal control related matters that are required to be communicated under AICPA professional standards and *Government Auditing Standards*.

### Audit Procedures - Compliance

As part of obtaining reasonable assurance about whether the financial statements are free of material misstatement, we will perform tests of East Goshen Municipal Authority's compliance with the provisions of applicable laws, regulations, contracts, agreements and grants. However, the objective of our audit will not be to provide an opinion on overall compliance and we will not express such an opinion in our report on compliance issued pursuant to *Government Auditing Standards*.

### Engagement Administration, Fees and Other

We understand that your employees will prepare all cash or other confirmations we request and will locate any documents selected by us for testing.

We will provide copies of our reports to the East Goshen Municipal Authority; however, management is responsible for distribution of the reports and the financial statements. Unless restricted by law or regulation, or containing privileged and confidential information, copies of our reports are to be made available for public inspection.



To The Members of The Board  
East Goshen Municipal Authority

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July 1, 2010

The audit documentation for this engagement is the property of Maillie, Falconiero & Company, LLP and constitutes confidential information. However, pursuant to authority given by law or regulation, we may be requested to make certain audit documentation available to the Commonwealth Financing Authority or its designee, a federal agency providing direct or indirect funding, or the U.S. Government Accountability Office for purposes of a quality review of the audit, to resolve audit findings, or to carry out oversight responsibilities. We will notify you of any such request. If requested, access to such audit documentation will be provided under the supervision of Maillie, Falconiero & Company, LLP personnel. Furthermore, upon request, we may provide copies of selected audit documentation to the aforementioned parties. These parties may intend, or decide, to distribute the copies or information contained therein to others, including other governmental agencies.

The audit documentation for this engagement will be retained for a minimum of five years after the report release or for any additional period requested by the Commonwealth Financing Authority. If we are aware that a federal awarding agency or auditee is contesting an audit finding, we will contact the party(ies) contesting the audit finding for guidance prior to destroying the audit documentation.

James E. Yiaski, CPA, is the engagement partner and is responsible for supervising the engagement and signing the reports or authorizing another individual to sign them.

Our fee for these services will be at our standard hourly rates plus out-of-pocket costs (such as report reproduction, word processing, postage, travel, copies, telephone, etc.). We estimate our fee to be approximately \$6,500. Our standard hourly rates vary according to the degree of responsibility involved and the experience level of the personnel assigned to your audit. Our invoices for these fees will be rendered as work progresses and are payable on presentation. In accordance with our firm policies, work may be suspended if your account becomes 30 days or more overdue and may not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notification of termination, even if we have not completed our report. You will be obligated to compensate us for all time expended and to reimburse us for all out-of-pocket costs through the date of termination.

*Government Auditing Standards* require that we provide you with a copy of our most recent external peer review report and any letter of comment and any subsequent peer review reports and letters of comment received during the period of the contract. Our 2007 peer review report accompanies this letter.



To The Members of The Board  
East Goshen Municipal Authority

- 7 -

July 1, 2010

We appreciate the opportunity to be of service to the East Goshen Municipal Authority and believe this letter accurately summarizes the significant terms of our engagement. If you have any questions, please let us know. If you agree with the terms of our engagement as described in this letter, please sign the enclosed copy and return it to us.

Very truly yours,

MAILLIE, FALCONIERO & COMPANY, LLP

James E. Maski, CPA

RESPONSE:

This letter correctly sets forth the understanding of the East Goshen Municipal Authority.

By: \_\_\_\_\_

Title: \_\_\_\_\_

Date: \_\_\_\_\_

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

~~2E~~ ~~BE~~  
2F 2 Pgs.

July 28, 2010

To: Municipal Authority  
From: Mark Miller  
Re: Auto Dialer

We need to purchase an auto dialer for the Davco side of the plant. I priced out dealers from two vendors, they ranged in price from \$4,190.00 to \$5,340.00 (ACS)

I recommend we purchase the unit from John Laidley in the amount of \$4,190.00

**Miller, Mark**

---

**From:** jfjl2@aol.com  
**Sent:** Wednesday, July 21, 2010 8:44 AM  
**To:** mmiller@eastgoshen.org  
**Subject:** Ridley Creek Alarm Dialer

Mark,

Per your request we can supply the following;

One (1) Raco Verbatium 16 channel alarm dialer:	\$3,250.00
One (1) Power/ Phone surge supressor:	\$45.00
One lot installation, startup:	<u>\$895.00</u>
<b>Total</b>	<b>\$4,190.00</b>

Best Regards,

John Laidley





29

August 5, 2010

EGMA0707

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

Re: RCSTP Upgrade and Expansion  
Continued Construction Services  
June 21, 2010 to Anticipated Substantial Completion and Project Close-Out

Dear Mr. Smith:

At the June 14, 2010 Board meeting the Authority requested that Pennoni prepare an estimated effort to complete engineering services for the RCSTP construction from our billing period ending June 21, 2010 to the currently anticipated substantial completion date. As of the date of this letter, the Contractors are projecting substantial completion on or about August 27, 2010. We have prepared this estimate based on a substantial completion date of August 27, 2010.

The Scope of Work over this period includes the following:

- Construction Observation and RFIs (9 weeks totaling 207 hours of effort)
- Participation in Construction Progress Meetings (total of 6 meetings totaling 48 hours of effort)
- Review of Operation & Maintenance Manuals (72 hours of effort)
- Centrifuge Start-Up Assistance (40 hours of effort)
- Complete Plant Start-Up Assistance (40 hours of effort)
- Punch List Preparation and Final Inspections (after Substantial Completion – 40 hours of effort)
- Siemens Performance Test and follow-up (16 hours of effort)
- Project Close-Out Activities (after Substantial Completion – 24 hours of effort)
- Preparation of As-Built Plans in AutoCAD from Contractor Red-Line Plans (after Substantial Completion – 80 hours of effort)

The estimated effort to complete the above items is \$44,700. This is an estimate and actual effort might vary depending on Contractor performance and other items beyond Pennoni's control. This estimated effort will not be exceeded without prior approval from the Authority.

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

Very truly yours,

**PENNONI ASSOCIATES INC.**

A handwritten signature in black ink, appearing to read "D Barbato". The signature is fluid and cursive, with the first letter "D" being particularly large and stylized.

Daniel P. Barbato, P.E.  
Authority Engineer

2h

**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: August 6, 2010  
To: Municipal Authority  
From: Rick Smith, Township Manager  
Re: Equipment

I would suggest that the Authority direct Mark and I to indentify the unneeded equipment that we have salvaged from Ridley Creek Sewer Plant and the various pumps stations over the years and dispose of them via Muncibid. We have used this firm in the past to dispose of Township vehicles and it is the most effective way I know to get rid of stuff.

Smith, Rick

---

**From:** Greg Berry - municibid.com [greg@municibid.ccsend.com] on behalf of Greg Berry - municibid.com [greg.berry@municibid.com]  
**Sent:** Friday, June 25, 2010 4:05 PM  
**To:** rsmith@eastgoshen.org  
**Subject:** new municibid = MAJOR IMPROVEMENTS!



Good afternoon,

The new municibid.com is just a few days away. Our absolute deadline is July 1, but we are hoping to go live even earlier! If you have auctions on the current platform that are set to end after July 1, we will contact you regarding this. We will have a link back to the existing platform from the new platform for auctions ending after July 1.

The new municibid = MAJOR IMPROVEMENTS!

You have been tremendous over the past few years with the helpful feedback you have provided along with great ideas for improving municibid.... And We Listened!

We think you'll be very happy with the new platform, here are few points:

**1. Huge Exposure!** When your item is posted for auction, we have a process in place to push your auction all over the Internet to people who are looking for the exact item you're selling. Your item will be listed on Facebook, Twitter, YouTube, LinkedIn, Flickr, Google and more! You also have the ability to share your auction with all of the Social Media websites by clicking the share button on your auction page! Our new search engine optimized website will also attract more visitors looking for your items.

**2. Ease of use!** From viewing your account information, bidder history, results and reports to posting and editing auctions... everything is EASIER!

**3. Your Own Store!** With your account, which has been moved over to the new site for your convenience\*, you will have a store, so you can link directly to the items you are selling and view the items you have sold in the past. This puts everything in one easy to find place. We encourage you highly, to link to this from your website! \*old auction data will not be brought over, we will have this in an archive if you require it later.

**4. A Cleaner Look!** You will notice a much cleaner look and feel throughout the site with an improved navigational menu. We also hope you like to the new logo!

PLEASE NOTE: Your account will be moved to the new platform and you will be able to login with the same username and password you have used in the past. If you do not remember your password, click on the "Forgot your password" link on the Sign In page.

We are expecting a relatively smooth transition, however, if you do experience an issue, please wait 15 minutes and try again. If you are still experiencing problems, please email [service@municibid.com](mailto:service@municibid.com) so we can properly document the issue. We will also be posting updates and support responses here:  
<http://www.municibid.com/helpgeneral.asp> (after the new site is live)

If you still need assistance, please give us a call at 800.531.6074 and choose option 2 for support.

We are excited to move this new and improved platform and hope you will find it to be even more useful and successful!

I really appreciate your continued business and support of [municibid.com](http://municibid.com)!

Have a great weekend!

Greg Berry  
Founder & CEO | [municibid.com](http://municibid.com)



 **SafeUnsubscribe®**

This email was sent to [rsmith@eastgoshen.org](mailto:rsmith@eastgoshen.org) by [greg.berry@municibid.com](mailto:greg.berry@municibid.com).  
[Update Profile/Email Address](#) | Instant removal with [SafeUnsubscribe™](#) | [Privacy Policy](#).

Email Marketing by



[municibid.com](http://municibid.com) | 1029 N. Washington St. | Pottstown | PA | 19464



Remit to  
Fastenal Company  
P.O. Box 1286  
Winona, MN 55987-1286

3. RIDLEY CREEK INV

**INVOICE**

Page 1 of 1

Cust. No. PAMAV0136  
Cust. P.O. vb Steve  
Job No. 610-656-8715

**For billing questions**  
30 Three Tun Road, Suite 3  
MALVERN, PA 19355  
United States  
**Phone** (610)-648-9278  
**Fax** (610)-648-9285

**Date** 06/29/2010  
**Invoice No.** PAMAV3967

**Due Date** 07/29/2010  
**Invoice Total** 193.93 USD

**Sold To**

0004655 01 AB 0.360 \*\*AUTO H5 0 1040 19380-6-04655



E. GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380-6107



**Ship To**  
Picked up at branch  
30 Three Tun Road, Suite 3  
MALVERN, PA 19355

RC

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07424 7454

This Order and Document is subject to the "Terms of Purchase" posted on [www.fastenal.com](http://www.fastenal.com).

Line No	Quantity Ordered	Quantity Shipped	Quantity Backordered	Description	Control No.	Part No.	Price / Hundred	Amount
1	20	20	0	1/4 S/S 304 PC CHAIN	220004823	34906	665.6000	133.12
2	6	6	0	E-7SS 1/4X4 TEB SS	120060577	0156207	445.8000	26.75
3	10	10	0	3/16"QUICKLINK316S/S	160040762	74625	294.4000	29.44

\*\*\* Fastenal now has the ability to email or fax invoices. To enroll please call 866-880-3278.

ok RS.  
8/5

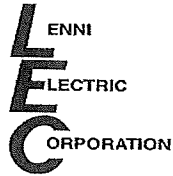
<b>Received By</b>	<b>Tax Exemption</b>		<b>Subtotal</b>	189.31
	7771	G	Shipping & Handling	4.62
<b>Comments</b>			PA State Tax	0.00
			County Tax	0.00
			City Tax	0.00
			<b>Total</b>	<b>193.93</b>

Reasonable collection and attorneys fees will be assessed to all accounts placed for collection.

No materials accepted for return without our permission. All discrepancies must be reported within 10 days.

If you re-package or re-sell this product, you are required to maintain integrity of Country of Origin to the consumer of this product.

**Please pay from this invoice.**



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

# Service Invoice

Invoice#: 100646

Date: 06/29/2010

2010 JUL 1 PM 12 26

**Billed To:** East Goshen Township  
 1580 Paoli Pike  
 West Chester PA 19380

**Project:** 31053  
 RIDLEY CREEK STATION  
 WEST CHESTER PA 19380

**Scheduled:** 06/03/2010  
**Time:**

**Employee:**

**Order#:**

Description	UM	Quantity	Price	Ext Price
RIDLEY CREEK STATION OFFICE				
6-17-10 PROVIDE AND INSTALL 3 - VAPORPROOF FLUORESCENT FIXTURES IN OFFICE; WIRE AND LAMP				
6-18-10 PROVIDE AND INSTALL 2 - VAPORPROOF FLUORESCENT FIXTURES IN LAB ROOM; WIRE AND LAMP				
ELECTRICIANS - 2 MEN 4 HRS EA	HR	8.00	67.00	536.00
SERVICE TRUCK	HR	3.00	20.00	60.00
MATERIALS	LS	1.00	423.00	423.00

**Notes:**

*ok RS  
8/5*

*Terms are Net 30 days.  
 Balances over 30 days are subject to a finance charge of 2% per month.  
 Thank you for your prompt payment!*

Non-Taxable Amount:	1,019.00
Taxable Amount:	0.00
Sales Tax:	0.00
<b>Amount Due</b>	<b>1,019.00</b>



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  
06/30/2010  
Client No: 6604-06M  
Invoice No. 80671

Ridley Creek Treatment Plant Upgrades/ Expansion

Fees

		Hours		
06/14/2010	RFA		Review message from Rick Smith regarding meeting with clinger; review letter from Robert Dina of Clinger Corporation regarding additional costs outside original scope of work.	0.70
06/17/2010	RFA		Review message from Rick Smith regarding Clinger proposal; review memo to Board of Supervisors regarding Clinger.	0.70
			For Current Services Rendered	1.40
				<u>266.00</u>
			Recapitulation	
	<u>Timekeeper</u>		<u>Hours</u>	<u>Hourly Rate</u>
	Robert F. Adams		1.40	\$190.00
				<u>Total</u>
				\$266.00
			Previous Balance	\$1,862.00
			Total Current Charges	266.00
06/18/2010	Fee Payment			-1,862.00
	Balance Due			<u>\$266.00</u>

OK RG  
7/19

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.



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


# Invoice

Phone #
610-793-0411

Date	Invoice #
7/12/2010	4616

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

<b>Job Address:</b>
Ridley Creek Treatment Plant West Chester, PA 19380

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

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

Description	Amount
6/22/10 - At Ridley Creek Treatment Plant: Installed sink in laboratory, furnished and installed laboratory faucet and connected drain.	
1 - 8948 Moen faucet	134.85
2 - PEX faucet risers complete	8.72
1 - Premium basket strainer	30.13
misc. shop supplies (sealant, solvent; caulking, etc.)	5.00
1.5 HRS. @ \$100.00 HR.	150.00
<i>RC</i>	<i>OK RS 8/5</i>
Thank you for the opportunity to be of service.	<b>Total</b> \$328.70

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



Be Right™

INVOICE NUMBER 6818668

DATE: 07/15/2010

Page: 1

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_

DETACH TOP PORTION AND RETURN WITH PAYMENT TO:

CHARGED TO: 07424-7152

TOTAL: \$154.23

Hach Company  
2207 Collections Center Drive  
Chicago, IL 60693  
Phone: (800) 227-4224

Have you ordered online?  
Order at WWW.HACH.COM

68186683 000230649 00000015423 071510

DETACH HERE

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EAST GOSHEN TOWNSHIP  
1580 Paoli Pike  
West Chester, PA 19380-6107  
United States

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EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380  
United States

INVOICE NO	6818668	DATE:	07/15/2010
PURCHASE ORDER NUMBER	20103172		
TERMS	Net 30 Days From Invoice Date		
FREIGHT	Prepaid By Shipper		
CARRIER	RPS-RPS**FedEx- -Ground		
ACCOUNT	023064	Remit to:	
REF. NO.	309247239-1		

Hach Company  
2207 Collections Center Dr  
Chicago, IL 60693  
Phone: (800) 227-4224

These commodities are sold, packaged, marked, and labeled for destinations in the United States. Exportation of these commodities may require special licensing, packaging, marking or labeling.

LN#	PRODUCT DESCRIPTION	ITEM NO.	QUANTITY	UNIT PRIC	EXT. PRICE
1	SC100 UPGRADE CABLE TO CONNECT	LZX887	1	154.23	154.23
*TRACKING NUMBERS: 050316370007552					

ORDER CONTACT:

MARK MILLER  
6106927171

SUBTOTAL 154.23

TAX 0.00

154.23

Notes:

RC  
Bond Fund  
ok  
RS  
7/27

For order discrepancies or product exchanges please call 800-227-4224 or 970-669-3050 to obtain Return Authorization.

FEDERAL TAX ID # 42-0704420

Hach Hydromet 800-949-3766 Fax: 970-461-3921	Hach Flow Products & Services 800-368-2723 Fax: 301-874-8459	Environmental Test Systems (ETS) 800-548-4381 Fax: 574-264-4533	Other Hach Brands 800-454-0263 Fax: 970-461-3919
--	--	---	--



Be Right™

APPROVED BY: [Signature]  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 074247452

INVOICE NUMBER 6820686

DATE: 07/16/2010

Page: 1

DETACH TOP PORTION AND RETURN WITH PAYMENT TO:

*Prob. cable for Do*

TOTAL: \$347.26

Hach Company  
2207 Collections Center Drive  
Chicago, IL 60693  
Phone: (800) 227-4224

Have you ordered online?  
Order at WWW.HACH.COM

68206861 000230649 00000034726 071610

DETACH HERE Original

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EAST GOSHEN TOWNSHIP  
1580 Paoli Pike  
West Chester, PA 19380-6107  
United States

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EAST GOSHEN TOWNSHIP  
1580 PAOLI PIKE  
WEST CHESTER, PA 19380  
United States

INVOICE NO	6820686	DATE:	07/16/2010
PURCHASE ORDER NUMBER	20103172		
TERMS	Net 30 Days From Invoice Date		
FREIGHT	Prepaid By Shipper		
CARRIER	RPS-RPS**FedEx- -Ground		
ACCOUNT	023064	Remit to:	
REF. NO.	309247239-2		

Hach Company  
2207 Collections Center Dr  
Chicago, IL 60693  
Phone: (800) 227-4224

These commodities are sold, packaged, marked, and labeled for destinations in the United States. Exportation of these commodities may require special licensing, packaging, marking or labeling.

LN#	PRODUCT DESCRIPTION	ITEM NO.	QUANTITY	UNIT PRIC	EXT. PRICE	
1	KTO: DIG ORP SENS, COMBO, INSER, KYNAR	DRC2K5N	1	347.26	347.26	
<b>ORDER CONTACT:</b> MARK MILLER 6106927171					<b>SUBTOTAL</b>	347.26
<b>Notes:</b>					<b>TAX</b>	0.00
					<b>INVOICE TOTAL</b>	347.26

*RC*  
*Bondford*  
*ok*  
*RS 7/27*

For order discrepancies or product exchanges please call 800-227-4224 or 970-669-3050 to obtain Return Authorization.

FEDERAL TAX ID # 42-0704420

<b>Hach Hydromet</b> 800-949-3766 Fax: 970-461-3921	<b>Hach Flow Products &amp; Services</b> 800-368-2723 Fax: 301-874-8459	<b>Environmental Test Systems (ETS)</b> 800-548-4381 Fax: 574-264-4533	<b>Other Hach Brands</b> 800-454-0263 Fax: 970-461-3919
---	---	--	---

NORTHERN TOOL & EQUIPMENT

Account Number	Invoice Number	Total Due	Due Date	Amount Paid
7003-7057-0009-5363	22150896	\$1,599.97	08/08/2010	\$

Please make your check payable to HSBC BUSINESS SOLUTIONS . Include your account number on your check or money order. To avoid late charges, mail at least 7 business days before due date to:

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

HSBC BUSINESS SOLUTIONS  
PO BOX 5219  
CAROL STREAM IL 60197-5219



00159997001599970007003705700095363007835

APPROVED BY: \_\_\_\_\_  
DATE PAID: \_\_\_\_\_  
CHECK #: \_\_\_\_\_  
CHARGED TO: 07924-7452

*R.C. Plant Sludge  
Room*

PLEASE RETURN THE ABOVE PORTION WITH YOUR PAYMENT.



ACCOUNT: 7003-7057-0009-5363  
NORTHERN TOOL & EQUIPMENT

PAGE: 1 OF 1  
PURCHASE DATE: 06/21/2010

INVOICE: 22150896

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

P.O. #: 2010621  
AUTHORIZED BUYER: 0000000000008661796

ITEM DESCRIPTION	QUANTITY	UNIT PRICE	DISCOUNT	EXTENDED TOTAL
1592008 1/R COMPRESSOR START	1	\$79.99	\$0.00	\$79.99
IR 5HP 80GAL VERT AC	1	\$1,349.99	\$0.00	\$1,349.99
REPAIR PLAN 2 YEAR	1	\$169.99	\$0.00	\$169.99
SUBTOTAL				\$1,599.97
TAX				\$0.00
SHIPPING/DELIVERY				\$0.00
<b>TOTAL INVOICE</b>				<b>\$1,599.97</b>

A 1.5% LATE CHARGE WILL BE ADDED MONTHLY TO ALL BALANCES UNPAID.

This communication serves as official notice that all calls to/from our offices may be monitored and/or recorded for quality assurance purposes.

TDD/Hearing Impaired: 800-365-0186

*BOND FUND*

*ok*

*JCS*

*7/27*

NET TERMS = 30 DAYS  
INVOICE PAYMENT DUE DATE: 08/08/2010

For billing errors or questions, please call 1-800-365-6519

000007000000-1961000000-S



# 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 # : 446542  
 Invoice Date : 07/29/2010  
 Project : EGMA0707  
 Project Name : RCSTP Expansion

For Services Rendered through: 07/18/2010

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 working with Operator regarding WWTP treatment performance; responses to Contractor RFIs; schedule reviews.

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.	\$133,200.00	\$129,006.73		\$146,309.36	\$17,302.63
<b>Total :</b>		<b>\$656,200.00</b>	<b>\$651,872.53</b>		<b>\$669,175.16</b>	<b>\$17,302.63</b>

Amount Due This Invoice

**\$17,302.63**

*OK RS*  
*8-5*

East Goshen Municipal Authority  
EGMA0707 Invoice Summary.xls  
Invoice Date 07-29-2010

Project: RCSTP Expansion and Upgrade  
 Pennoni Job No.: EGMA0707  
 Invoice No: 446542  
 Invoice Period: 6/21/2010 to 7/18/2010  
 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  
 Changes: \$ 11,500.00 Date: 6/14/2010  
 Contract Amount: \$ 656,200.00  
 Previously Invoiced: \$ 651,872.53  
 Current Invoice: \$ 17,302.63  
 Invoiced to Date (\$): \$ 669,175.16  
 Invoiced to Date (%): 102%  
 Remaining Budget (\$): \$ (12,975.16)  
 Remaining Budget (%): -2%

Budget by Phase:  
 Phase No. 10  
 Phase Name: Continued Eng Svcs  
 Phase Budget: \$ 99,700.00  
 Changes: \$ 33,500.00  
 Contract Amount: \$ 133,200.00  
 Previously Invoiced: \$ 129,006.73  
 Current Invoice: \$ 17,302.63  
 Invoiced to Date (\$): \$ 146,309.36  
 Invoiced to Date (%): 110%  
 Remaining Budget (\$): \$ (13,109.36)  
 Remaining Budget (%): -13%

Comments: Phase 10 - Continued Engineering Services  
 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 working with Operator regarding WWTP treatment performance; responses to Contractor RFIs; schedule reviews.

Effort by Labor Category under Phase 10:

Category	Previous Hrs.	Current	Total Hrs.
Authority Engineer	126.75	19.00	145.75
Senior Engineer	304.25	15.50	319.75
Senior Designer	140.00	18.00	158.00
Project Engineer	107.25	25.75	133.00
Staff Engineer	0.00	12.25	12.25
Associate Engineer	7.00	39.00	46.00
Graduate Engineer	43.75	0.00	43.75
Project Representative/Inspector	2.50	0.00	2.50
Technical Specialist (McAloon)	772.00	65.00	837.00
Engineering Technician I	25.25	12.75	38.00
Administrative Assistant I	0.50	0.00	0.50
<b>Totals</b>	<b>1529.25</b>	<b>207.25</b>	<b>1736.50</b>

**Application and Certificate For Payment**

<b>To Owner:</b> East Goshen Municipal Authority 1580 Paoli Pike West Chester, PA 19380	<b>Project:</b> Ridley Creek WWTP 1751 Towne Road Fred Papiernik 267-278-6108 West Chester, PA 19380	<b>Application No:</b> 20 <b>Date:</b> 07/31/2010
<b>From (Contractor):</b> Worth and Company, Inc. 6263 Kellers Church Road Pipersville, PA 18947	<b>Contractor Job Number:</b> P28001 <b>Via (Architect):</b>	<b>Period To:</b> 07/31/10 <b>Architect's Project No:</b> <b>Contract Date:</b> 10/22/08
<b>Phone:</b> 267 362-1100	<b>Contract For:</b>	

**Contractor's Application For Payment**

Change Order Summary	Additions	Deductions
Change orders approved in previous months by owner	46,672.59	-42,648.25
Change orders approved this month		
<b>Totals</b>		
<b>Net change by change orders</b>	<b>4,024.34</b>	

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: Chris Beaman Date: 7/28/10

State of: PA County of: Bucks

Subscribed and sworn to before me this 28th day of July 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: \$ 462,170.00

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	7,515,574.34
Retainage	
5.0% of completed work	375,778.72
0.0% of stored material	0.00
Total retainage	375,778.72
Total earned less retainage	7,139,795.62
Less previous certificates of payment	6,713,625.62
Current payment due	<b>426,170.00</b>
Balance to finish, including retainage	729,628.72

Architect: [Signature] Date: 8/5/10

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.

ok 725 816

# 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: 20 Date: 07/31/10  
 Contractor's Job Number: P28001  
 Architect's Project No:

Period To: 07/31/10

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	3,209.70	0.00	0.00	3,209.70	100.00	0.00	160.49		
CO-001A	Anti Flotation Collar	2,703.00	2,703.00	0.00	0.00	2,703.00	100.00	0.00	135.15		
CO-001B	Blower 2 repairs	5,542.80	5,542.80	0.00	0.00	5,542.80	100.00	0.00	277.14		
CO-001C	Top Entry Mixer change	6,784.65	6,784.65	0.00	0.00	6,784.65	100.00	0.00	339.23		
CO-001D	SBR Handrail	4,494.52	4,494.52	0.00	0.00	4,494.52	100.00	0.00	224.73		
CO-001E	Blower 3 Repairs	4,617.08	4,617.08	0.00	0.00	4,617.08	100.00	0.00	230.85		
CO-001F	Paving Credit	-50,000.00	-50,000.00	0.00	0.00	-50,000.00	100.00	0.00	-2,500.00		
CO-001G	SBR Wall Credit	-20,000.00	-20,000.00	0.00	0.00	-20,000.00	100.00	0.00	-1,000.00		
CO-002	PVC Credit Lieu of Cast Iron	-6,250.00	-6,250.00	0.00	0.00	-6,250.00	100.00	0.00	-312.50		
CO-002A	Concrete Wall @ UV Channel	11,357.25	11,357.25	0.00	0.00	11,357.25	100.00	0.00	567.86		
CO-002B	Blower 4 Repairs	6,126.78	6,126.78	0.00	0.00	6,126.78	100.00	0.00	306.34		
CO-003	(24) Air Drops	27,702.20	27,702.20	0.00	0.00	27,702.20	100.00	0.00	1,385.11		
CO-003A	New Doors	3,516.77	3,516.77	0.00	0.00	3,516.77	100.00	0.00	175.84		
CO-003B	Paint Digester Walkway	18,094.59	18,094.59	0.00	0.00	18,094.59	100.00	0.00	904.73		
CO-003C	Digester Concrete Credit	-13,875.00	-13,875.00	0.00	0.00	-13,875.00	100.00	0.00	-693.75		
<b>Subtotal</b>		<b>4,024.34</b>	<b>4,024.34</b>	<b>0.00</b>	<b>0.00</b>	<b>4,024.34</b>	<b>100.00</b>	<b>0.00</b>	<b>201.22</b>		

Site Work & Yard Piping											
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	20,000.00	0.00	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	5,000.00	0.00	20,000.00	80.00	5,000.00	1,000.00		
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: 20  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 07/31/10  
 Period To: 07/31/10

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	14,000.00	0.00	19,000.00	95.00	1,000.00	950.00	
G1-012	Temporary Fence	9,000.00	6,300.00	1,800.00	0.00	8,100.00	90.00	900.00	405.00	
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	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
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	36,000.00	9,000.00	0.00	45,000.00	100.00	0.00	2,250.00	
G1-021	Yard Drain	70,000.00	52,500.00	17,500.00	0.00	70,000.00	100.00	0.00	3,500.00	
G1-022	Sludge Pump Suction	25,000.00	12,500.00	12,500.00	0.00	25,000.00	100.00	0.00	1,250.00	
G1-023	Relocate Air Lines	20,000.00	16,000.00	4,000.00	0.00	20,000.00	100.00	0.00	1,000.00	
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	11,250.00	0.00	75,000.00	100.00	0.00	3,750.00	
G1-026	Apple Brook Discharge	15,000.00	14,250.00	750.00	0.00	15,000.00	100.00	0.00	750.00	
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	45,000.00	0.00	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	15,000.00	0.00	0.00	15,000.00	100.00	0.00	750.00	
G1-031	Sidewalks	15,000.00	0.00	15,000.00	0.00	15,000.00	100.00	0.00	750.00	
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: 20  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 07/31/10  
 Period To: 07/31/10

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>1,180,300.00</b>	<b>90,800.00</b>	<b>0.00</b>	<b>1,271,100.00</b>	<b>94.51</b>	<b>73,900.00</b>	<b>63,555.00</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	15,000.00	0.00	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>275,000.00</b>	<b>0.00</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 2'8"	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: 20  
 Contractor's Job Number: P28001  
 Architect's Project No:

Date: 07/31/10  
 Period To: 07/31/10

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>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>		
G4-000	<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>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>		
G5-000	<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	2,400.00	0.00	59,400.00	99.00	600.00	2,970.00		
	<b>Subtotal</b>	<b>1,650,000.00</b>	<b>1,647,000.00</b>	<b>2,400.00</b>	<b>0.00</b>	<b>1,649,400.00</b>	<b>99.96</b>	<b>600.00</b>	<b>82,470.00</b>		
G6-000	<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 Authorit  
 From (Contractor): Worth and Company, Inc.  
 Project: Ridley Creek WWTP

Application No: 20 Date: 07/31/10  
 Contractor's Job Number: P28001  
 Architect's Project No:

Period To: 07/31/10

Item Number	Description	Scheduled Value	Work Completed		Materials Presently Stored	Completed and Stored to Date	%	Balance to Finish	Retention	Memo
			Previous Application	This Period						
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	18,000.00	0.00	0.00	18,000.00	100.00	0.00	900.00	
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	9,500.00	0.00	0.00	9,500.00	95.00	500.00	475.00	
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	5,000.00	0.00	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	1,750.00	0.00	33,250.00	95.00	1,750.00	1,662.50	
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	47,500.00	0.00	0.00	47,500.00	95.00	2,500.00	2,375.00	
<b>Subtotal</b>		<b>575,000.00</b>	<b>566,650.00</b>	<b>1,750.00</b>	<b>0.00</b>	<b>568,400.00</b>	<b>98.85</b>	<b>6,600.00</b>	<b>28,420.00</b>	
<b>G7-000</b>	<b>SBR/Chem Feed &amp; Process Piping</b>									
G7-001	SBR Equipment	790,000.00	790,000.00	0.00	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: 20 Date: 07/31/10 Period To: 07/31/10  
 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						
G7-002	Polymer Feed System	16,000.00	9,000.00	4,500.00	0.00	13,500.00	75.00	4,500.00	675.00	
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	4,250.00	3,400.00	0.00	7,650.00	90.00	850.00	382.50	
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	25,000.00	0.00	0.00	25,000.00	100.00	0.00	1,250.00	
G7-009	Process Piping	245,000.00	237,550.00	7,350.00	0.00	245,000.00	100.00	0.00	12,250.00	
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>1,303,550.00</b>	<b>15,250.00</b>	<b>0.00</b>	<b>1,318,800.00</b>	<b>98.05</b>	<b>26,200.00</b>	<b>65,940.00</b>	
G8-000	<b>iltration &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	8,000.00	0.00	0.00	8,000.00	80.00	2,000.00	400.00	
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>658,000.00</b>	<b>0.00</b>	<b>0.00</b>	<b>658,000.00</b>	<b>99.70</b>	<b>2,000.00</b>	<b>32,900.00</b>	
G9-000	<b>Sludge Digestion &amp; Post EQ Tank</b>									
G9-001	Demo Interior	20,000.00	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00	
G9-002	Sandblasting & Painting	160,000.00	48,000.00	64,000.00	0.00	112,000.00	70.00	48,000.00	5,600.00	
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	20,000.00	0.00	0.00	20,000.00	100.00	0.00	1,000.00	
G9-005	Aeration Tank Rehabilitation	45,000.00	36,000.00	0.00	0.00	36,000.00	80.00	9,000.00	1,800.00	
	<b>Subtotal</b>	<b>275,000.00</b>	<b>149,550.00</b>	<b>64,000.00</b>	<b>0.00</b>	<b>213,550.00</b>	<b>77.65</b>	<b>61,450.00</b>	<b>10,677.50</b>	
GG10-000	<b>Sludge Dewatering Bldg Addition</b>									
GG10-001	Demo Centrifuge	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00	
GG10-002	Demo Building	10,000.00	10,000.00	0.00	0.00	10,000.00	100.00	0.00	500.00	
GG10-003	Sawcut Floor	8,000.00	8,000.00	0.00	0.00	8,000.00	100.00	0.00	400.00	



**Application and Certificate For Payment -- page 9**

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

Application No: 20 Date: 07/31/10 Period To: 07/31/10  
 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						
GG14-001	Lump Sum	11,000.00	0.00	0.00	0.00	0.00	0.00	11,000.00	0.00	
GG18-000	Alternate G-18									
GG18-001	Lump Sum	125,000.00	125,000.00	0.00	0.00	125,000.00	100.00	0.00	6,250.00	
	<b>Subtotal</b>	1,180,400.00	724,100.00	274,400.00	0.00	998,500.00	84.59	181,900.00	49,925.00	
	<b>Application Total</b>	7,869,424.34	7,066,974.34	448,600.00	0.00	7,515,574.34	95.50	353,850.00	375,778.72	

**APPLICATION AND CERTIFICATION FOR PAYMENT**

ALA DOCUMENT G702

PAGE 1 OF 2

PAGES

TO OWNER: East Goshen Municipal Auth. PROJECT: Ridley Creek Sewage Treatment Plant Upgrade & Expansion Project

1580 Paoli Pike  
West Chester, PA 19331

FROM CONTRACTOR: Wm. H. Clinger Corp. VIA ARCHITECT: Pennoni Associates

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

One Drexel Plaza, 3001 Market St.  
Philadelphia, PA 19104-2897

CONTRACT FOR: Electrical Contractor

APPLICATION NO: 16

PERIOD TO: 8/1/2010

**CONTRACTOR'S APPLICATION FOR PAYMENT**

Application is made for payment, as shown below, in connection with the Contract. Continuation Sheet, ALA Document G703, is attached.

- 1. ORIGINAL CONTRACT SUM \$ 974,000.00
- 2. Net change by Change Orders \$ 33,313.24
- 3. CONTRACT SUM TO DATE (Line 1 ± 2) \$ 1,007,313.24
- 4. TOTAL COMPLETED & STORED TO DATE (Column G on G703) \$ 970,364.09

5. RETAINAGE: a. 5 % of Completed Work \$ 50,183.89

b. % of Stored Material (Column F on G703) \$

Total Retainage (Lines 5a + 5b or Total in Column I of G703) \$ 50,183.89

6. TOTAL EARNED LESS RETAINAGE (Line 4 Less Line 5 Total) \$ 920,180.20

7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate) \$ 877,832.96

8. CURRENT PAYMENT DUE \$ 42,347.24

9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6) \$ 87,133.04

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner	\$33,313.24	
Total approved this Month		
<b>TOTALS</b>	<b>\$33,313.24</b>	
<b>NET CHANGES by Change Order</b>		<b>\$33,313.24</b>

PROJECT NOS: EGMA0707

CONTRACT DATE: 11/5/2008

Our Job# CEG800

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: Wm. H. Clinger Corp.

By: Michael V. Clinger Date: 8/4/2010  
 State of Pennsylvania County of Delaware  
 Subscribed and sworn to before me this 4th day of August, 2010. Joseph P. Natale, Notary Public  
 Notary Public: My Commission expires: 2/28/2014  
 My commission expires February 28, 2014

**ARCHITECT'S CERTIFICATE FOR PAYMENT**

In accordance with the Contract Documents, based on on-site observations and the data comprising the application, the Architect certifies to the Owner that to the best of their 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: \$ 42,347.24

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this Application and on the Continuation Sheet that are changed to conform to the amount certified.)  
 ARCHITECT: [Signature] Date: 8/5/10  
 This Certificate 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.

o/c RS 8/6



# CONTINUATION SHEET

AIA DOCUMENT G703

PAGE 2 OF 2 PAGES

AIA Document G702, APPLICATION AND CERTIFICATION FOR PAYMENT, containing Contractor's signed certification is attached.  
 Wm. H. Clinger Corp.  
 In tabulations below, amounts are stated to the nearest dollar.  
 Use Column I on Contracts where variable retainage for line items may apply.

APPLICATION NO: 16  
 APPLICATION DATE: 8/4/2010  
 PERIOD TO: 8/1/2010  
 ARCHITECT'S PROJECT NO: EGMA0707

A ITEM NO.	B DESCRIPTION OF WORK	C SCHEDULED VALUE	D WORK COMPLETED		E THIS PERIOD	F MATERIALS PRESENTLY STORED (NOT IN D OR E)	G TOTAL COMPLETED AND STORED TO DATE (D+E+F)		H BALANCE TO FINISH (C - G)	I RETAINAGE
			FROM PREVIOUS APPLICATION (D + E)				% (G + C)			
****	SEE ATTACHED									
	Total:	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
	<b>GRAND TOTALS</b>									

CUST: EAST GOSHEN MUNICIPAL AUTH.  
1580 PAOLI PIKE

JOB:Rid.Creek Sewage Trtmnt. Plnt.

APPLICATION NO: 16  
PERIOD ENDING : 07/31/10  
INVOICE NO : 4509

Page: 1

WEST CHESTER PA 19331

FROM: William H. Clinger Corp.  
PO Box 158, 736 Baltimore Pike  
Concordville, PA 19331

ARCHITECT:PENNONI ASSOCIATES  
One Drexel Plaza  
3001 Market Street  
Philadelphia PA 19104-2897

CONTRACT NO:  
CONTRACT DATE: 11/13/08

JOB DESCRIPTION: Rid.Creek Sewage Trtmnt. Plnt.

OUR JOB # : CEG800

CHANGE ORDERS

	ADDITIONS	DEDUCTIONS
PREVIOUS TOTAL	33,313.24	.00
-----CURRENT-----		
Number Date		
TOTALS TO DATE	33,313.24	.00
NET AMOUNT		33,313.24

ORIGINAL CONTRACT AMOUNT.....	\$	974,000.00
TOTAL CHANGE ORDER AMOUNT.....	\$	33,313.24
TOTAL CONTRACT INCLUDING CHANGE ORDERS.....	\$	1,007,313.24
AMOUNT COMPLETED TO DATE.....	\$	970,364.09
RETAINAGE - % OF WORK COMPLETED.....	\$	50,183.89
% OF STORED MATERIAL		
COMPLETED TO DATE LESS RETAINAGE.....	\$	920,180.20
PREVIOUS AMOUNT BILLED.....	\$	877,832.96
SALES TAX.....	\$	.00
CURRENT AMOUNT DUE.....	\$	42,347.24
AMOUNT REMAINING.....	\$	87,133.04

ITEM NUMBER	DESCRIPTION OF WORK	SCHEDULED VALUE	---WORK COMPLETED---		STORED MATERIALS	COMPLETED		BALANCE	
			PREVIOUS APPLICATION	THIS PERIOD		AND STORED TO DATE	%	TO FINISH	RETAINAGE
-----									
1	DIRECT COST								
1	Labor-Field	.00	.00	.00	.00	.00	0	.00	.00
		.00							
3	Materials	.00	.00	.00	.00	.00	0	.00	.00
		.00							
4	Subcontractor	.00	.00	.00	.00	.00	0	.00	.00
		.00							
5	Equipment Rental	.00	.00	.00	.00	.00	0	.00	.00
		.00							
6	Small Tools	.00	.00	.00	.00	.00	0	.00	.00
		.00							
7	Other Charges	.00	.00	.00	.00	.00	0	.00	.00
		.00							
PM	Labor-Proj. Mgr.	.00	.00	.00	.00	.00	0	.00	.00
		.00							
	Total DIRECT COST	.00	.00	.00	.00	.00	0	.00	.00
CO	Change Orders								
001	Change Order #001	5,106.00	5,106.00	.00	.00	5,106.00	100	.00	510.60
		.00							
002	Change Order #002	1,451.24	1,451.24	.00	.00	1,451.24	100	.00	145.12
		.00							
003	Change Order #003	3,171.00	3,171.00	.00	.00	3,171.00	100	.00	317.10
		.00							
001A	Change Order #001 (A)	23,585.00	23,585.00	.00	.00	23,585.00	100	.00	2,358.50
		.00							
	Total Change Orders	33,313.24	33,313.24	.00	.00	33,313.24	100	.00	3,331.32
MOB	Mobilization								
1	Mobilization-Labor	2,772.00	2,772.00	.00	.00	2,772.00	100	.00	138.60
		.00							
3	Mobilization-Material	5,611.00	5,611.00	.00	.00	5,611.00	100	.00	280.55
		.00							
5	Equipment Rental	.00	.00	.00	.00	.00	0	.00	.00
		.00							
	Total Mobilization	8,383.00	8,383.00	.00	.00	8,383.00	100	.00	419.15
DEMO	Demo								
1	Demo-Labor	18,775.00	18,775.00	.00	.00	18,775.00	100	.00	938.75
		.00							
	Total Demo	18,775.00	18,775.00	.00	.00	18,775.00	100	.00	938.75
TEMP	Temporay Power								
1	Temporay Power-labor	10,820.00	10,820.00	.00	.00	10,820.00	100	.00	541.00
		.00							
3	Temporay Power-Material	12,000.00	12,000.00	.00	.00	12,000.00	100	.00	600.00
		.00							
	Total Temporay Power	22,820.00	22,820.00	.00	.00	22,820.00	100	.00	1,141.00
11000	Aerial Work								
1	Aerial Work-Labor	486.00	486.00	.00	.00	486.00	100	.00	24.30
		.00							
3	Aerial Work-Material	.00	.00	.00	.00	.00	0	.00	.00
		.00							
4	Aerial Work-Subcontractor	6,172.00	6,172.00	.00	.00	6,172.00	100	.00	308.60
		.00							



ITEM NUMBER	DESCRIPTION OF WORK	SCHEDULED VALUE	----WORK COMPLETED----		STORED MATERIALS	COMPLETED AND STORED TO DATE	%	BALANCE	
			PREVIOUS APPLICATION	THIS PERIOD				TO FINISH	RETAINAGE
3	Trt.Bldg.Pwr Terms-Materi	1,029.00	1,029.00	.00	.00	1,029.00	100	.00	51.45
		.00							
	Total Trt.Bldg.Pwr Terms	7,381.00	7,381.00	.00	.00	7,381.00	100	.00	369.05
11330	Trt.Bldg. Equip								
1	Trt.Bldg. Equip-Labor	25,754.00	25,754.00	.00	.00	25,754.00	100	.00	1,287.70
		.00							
3	Trt.Bldg. Equip-Material	90,861.00	90,861.00	.00	.00	90,861.00	100	.00	4,543.05
		.00							
	Total Trt.Bldg. Equip	116,615.00	116,615.00	.00	.00	116,615.00	100	.00	5,830.75
11340	Trt.Bldg.Branch Cond								
1	Trt.Bldg.Branch Cond-Labo	18,940.00	18,940.00	.00	.00	18,940.00	100	.00	947.00
		.00							
3	Trt.Bldg.Branch Cond-Mate	11,570.00	11,570.00	.00	.00	11,570.00	100	.00	578.50
		.00							
	Total Trt.Bldg.Branch Cond	30,510.00	30,510.00	.00	.00	30,510.00	100	.00	1,525.50
11350	Trt.Bldg.Branch Wire								
1	Trt.Bldg.Branch Wire-Labo	2,772.00	2,772.00	.00	.00	2,772.00	100	.00	138.60
		.00							
3	Trt.Bldg.Branch Wire-Mate	997.00	997.00	.00	.00	997.00	100	.00	49.85
		.00							
	Total Trt.Bldg.Branch Wire	3,769.00	3,769.00	.00	.00	3,769.00	100	.00	188.45
11360	Trt.Bldg.Branch Dev								
1	Trt.Bldg.Branch Dev-Labor	4,157.00	4,157.00	.00	.00	4,157.00	100	.00	207.85
		.00							
3	Trt.Bldg.Branch Dev-Mater	1,459.00	1,459.00	.00	.00	1,459.00	100	.00	72.95
		.00							
	Total Trt.Bldg.Branch Dev	5,616.00	5,616.00	.00	.00	5,616.00	100	.00	280.80
11370	Trt.Bldg.Ltg.Cond								
1	Trt.Bldg.Ltg.Cond-Labor	22,289.00	22,289.00	.00	.00	22,289.00	100	.00	1,114.45
		.00							
3	Trt.Bldg.Ltg.Cond-Materia	12,545.00	12,545.00	.00	.00	12,545.00	100	.00	627.25
		.00							
	Total Trt.Bldg.Ltg.Cond	34,834.00	34,834.00	.00	.00	34,834.00	100	.00	1,741.70
11380	Trt.Bldg.Ltg.Wire								
1	Trt.Bldg.Ltg.Wire-Labor	1,790.00	1,790.00	.00	.00	1,790.00	100	.00	89.50
		.00							
3	Trt.Bldg.Ltg.Wire-Materia	669.00	669.00	.00	.00	669.00	100	.00	33.45
		.00							
	Total Trt.Bldg.Ltg.Wire	2,459.00	2,459.00	.00	.00	2,459.00	100	.00	122.95
11390	Trt.Bldg.Lt.fixt								
1	Trt.Bldg.Lt.fixt-Labor	7,391.00	7,391.00	.00	.00	7,391.00	100	.00	369.55
		.00							
3	Trt.Bldg.Lt.fixt-Material	204,093.00	204,093.00	.00	.00	204,093.00	100	.00	10,204.65
		.00							
	Total Trt.Bldg.Lt.fixt	211,484.00	211,484.00	.00	.00	211,484.00	100	.00	10,574.20
21300	Inflt. Pmp.St Pwr Cond								
1	Inflt. Pmp.St Pwr Cond-La	6,698.00	6,698.00	.00	.00	6,698.00	100	.00	334.90
		.00							

Project #':

Invoice Number : 4509

Thru: 07/31/10

ITEM NUMBER	DESCRIPTION OF WORK	SCHEDULED VALUE	---WORK COMPLETED---		STORED MATERIALS	COMPLETED AND STORED		BALANCE	
			PREVIOUS APPLICATION	THIS PERIOD		TO DATE	%	TO FINISH	RETAINAGE
3	Inflt. Pmp.St Pwr Cond-Ma	3,460.00	3,460.00	.00	.00	3,460.00	100	.00	173.00
		.00							
	Total Inflt. Pmp.St Pwr Cond	10,158.00	10,158.00	.00	.00	10,158.00	100	.00	507.90
21310	Inflt. Pmp.St Pwr Cab								
1	Inflt. Pmp.St Pwr Cab-Lab	7,565.00	7,565.00	.00	.00	7,565.00	100	.00	378.25
		.00							
3	Inflt. Pmp.St Pwr Cab-Mat	2,249.00	2,249.00	.00	.00	2,249.00	100	.00	112.45
		.00							
	Total Inflt. Pmp.St Pwr Cab	9,814.00	9,814.00	.00	.00	9,814.00	100	.00	490.70
21320	Inflt. Pmp.St Pwr Term								
1	Inflt. Pmp.St Pwr Term-La	1,763.00	1,763.00	.00	.00	1,763.00	100	.00	88.15
		.00							
3	Inflt. Pmp.St Pwr Term-Ma	313.00	313.00	.00	.00	313.00	100	.00	15.65
		.00							
	Total Inflt. Pmp.St Pwr Term	2,076.00	2,076.00	.00	.00	2,076.00	100	.00	103.80
21330	Inflt. Pmp.St Equip.								
1	Inflt. Pmp.St Equip.-Labo	973.00	973.00	.00	.00	973.00	100	.00	48.65
		.00							
3	Inflt. Pmp.St Equip.-Mate	355.00	355.00	.00	.00	355.00	100	.00	17.75
		.00							
	Total Inflt. Pmp.St Equip.	1,328.00	1,328.00	.00	.00	1,328.00	100	.00	66.40
21340	Inflt. Pmp.St Ltg.Cond								
1	Inflt. Pmp.St Ltg.Cond-La	3,951.00	3,951.00	.00	.00	3,951.00	100	.00	197.55
		.00							
3	Inflt. Pmp.St Ltg.Cond-Ma	4,846.00	4,846.00	.00	.00	4,846.00	100	.00	242.30
		.00							
	Total Inflt. Pmp.St Ltg.Cond	8,797.00	8,797.00	.00	.00	8,797.00	100	.00	439.85
21350	Inflt. Pmp.St Ltg.Wire								
1	Inflt. Pmp.St Ltg.Wire-La	2,431.00	2,431.00	.00	.00	2,431.00	100	.00	121.55
		.00							
3	Inflt. Pmp.St Ltg.Wire-Ma	1,979.00	1,979.00	.00	.00	1,979.00	100	.00	98.95
		.00							
	Total Inflt. Pmp.St Ltg.Wire	4,410.00	4,410.00	.00	.00	4,410.00	100	.00	220.50
21360	Inflt. Pmp.St Ltg.Fixt								
1	Inflt. Pmp.St Ltg.Fixt-La	2,006.00	2,006.00	.00	.00	2,006.00	100	.00	100.30
		.00							
3	Inflt. Pmp.St Ltg.Fixt-Ma	11,578.00	11,578.00	.00	.00	11,578.00	100	.00	578.90
		.00							
	Total Inflt. Pmp.St Ltg.Fixt	13,584.00	13,584.00	.00	.00	13,584.00	100	.00	679.20
31300	Screen Bldg Pwr Cond								
1	Screen Bldg Pwr Cond-Labo	13,397.00	13,397.00	.00	.00	13,397.00	100	.00	669.85
		.00							
3	Screen Bldg Pwr Cond-Mate	9,566.00	9,566.00	.00	.00	9,566.00	100	.00	478.30
		.00							
	Total Screen Bldg Pwr Cond	22,963.00	22,963.00	.00	.00	22,963.00	100	.00	1,148.15
31310	Screen Bldg Pwr Cab								
1	Screen Bldg Pwr Cab-Labor	2,067.00	2,067.00	.00	.00	2,067.00	100	.00	103.35
		.00							

ITEM NUMBER	DESCRIPTION OF WORK	SCHEDULED VALUE	---WORK COMPLETED---		STORED MATERIALS	COMPLETED		BALANCE TO FINISH	RETAINAGE
			PREVIOUS APPLICATION	THIS PERIOD		AND STORED TO DATE	%		
3	Screen Bldg Pwr Cab-Mater	645.00	645.00	.00	.00	645.00	100	.00	32.25
		.00							
	Total Screen Bldg Pwr Cab	2,712.00	2,712.00	.00	.00	2,712.00	100	.00	135.60
31320	Screen Bldg Pwr Term								
1	Screen Bldg Pwr Term-Labo	486.00	486.00	.00	.00	486.00	100	.00	24.30
		.00							
3	Screen Bldg Pwr Term-Mate	75.00	75.00	.00	.00	75.00	100	.00	3.75
		.00							
	Total Screen Bldg Pwr Term	561.00	561.00	.00	.00	561.00	100	.00	28.05
31330	Screen Bldg. Eq								
1	Screen Bldg. Eq-Labor	2,310.00	2,310.00	.00	.00	2,310.00	100	.00	115.50
		.00							
3	Screen Bldg. Eq-Material	879.00	879.00	.00	.00	879.00	100	.00	43.95
		.00							
	Total Screen Bldg. Eq	3,189.00	3,189.00	.00	.00	3,189.00	100	.00	159.45
41300	Sldg Dewat Bld Pwr Cond								
1	Sldg Dewat Bld Pwr Cond-L	17,554.00	4,388.50	11,410.10	.00	15,798.60	90	1,755.40	789.93
		.00							
3	Sldg Dewat Bld Pwr Cond-M	9,283.00	2,320.75	6,033.95	.00	8,354.70	90	928.30	417.74
		.00							
	Total Sldg Dewat Bld Pwr Cond	26,837.00	6,709.25	17,444.05	.00	24,153.30	90	2,683.70	1,207.67
41310	Sldg Dewat Bld Pwr Cab								
1	Sldg Dewat Bld Pwr Cab-La	6,813.00	.00	2,384.55	.00	2,384.55	35	4,428.45	119.23
		.00							
3	Sldg Dewat Bld Pwr Cab-Ma	2,673.00	.00	935.55	.00	935.55	35	1,737.45	46.78
		.00							
	Total Sldg Dewat Bld Pwr Cab	9,486.00	.00	3,320.10	.00	3,320.10	35	6,165.90	166.01
41320	Sldg Dewat Bld Pwr Term								
1	Sldg Dewat Bld Pwr Term-L	8,661.00	.00	.00	.00	.00	0	8,661.00	.00
		.00							
3	Sldg Dewat Bld Pwr Term-M	1,403.00	.00	.00	.00	.00	0	1,403.00	.00
		.00							
	Total Sldg Dewat Bld Pwr Term	10,064.00	.00	.00	.00	.00	0	10,064.00	.00
41330	Sldg Dewat Bld Equip								
1	Sldg Dewat Bld Equip-Labo	13,397.00	9,377.90	4,019.10	.00	13,397.00	100	.00	669.85
		.00							
3	Sldg Dewat Bld Equip-Mate	1,150.00	1,150.00	.00	.00	1,150.00	100	.00	57.50
		.00							
	Total Sldg Dewat Bld Equip	14,547.00	10,527.90	4,019.10	.00	14,547.00	100	.00	727.35
41400	Control Rm Bra Cond								
1	Control Rm Bra Cond-Labor	13,859.00	8,315.40	4,157.70	.00	12,473.10	90	1,385.90	623.66
		.00							
3	Control Rm Bra Cond-Mater	6,526.00	3,915.60	1,957.80	.00	5,873.40	90	652.60	293.67
		.00							
	Total Control Rm Bra Cond	20,385.00	12,231.00	6,115.50	.00	18,346.50	90	2,038.50	917.33
41410	Control Rm Bra Wire								
1	Control Rm Bra Wire-Labor	2,431.00	.00	607.75	.00	607.75	25	1,823.25	30.39
		.00							

Project #:

Invoice Number : 4509

Thru: 07/31/10

ITEM NUMBER	DESCRIPTION OF WORK	SCHEDULED VALUE	---WORK COMPLETED---		STORED MATERIALS	COMPLETED AND STORED TO DATE	%	BALANCE	
			PREVIOUS APPLICATION	THIS PERIOD				TO FINISH	RETAINAGE
3	Control Rm Bra Wire-Mater	781.00	.00	195.25	.00	195.25	25	585.75	9.76
		.00							
	Total Control Rm Bra Wire	3,212.00	.00	803.00	.00	803.00	25	2,409.00	40.15
41420	Control Rm Equip								
1	Control Rm Equip-Labor	2,067.00	2,067.00	.00	.00	2,067.00	100	.00	103.35
		.00							
3	Control Rm Equip-Material	631.00	631.00	.00	.00	631.00	100	.00	31.55
		.00							
	Total Control Rm Equip	2,698.00	2,698.00	.00	.00	2,698.00	100	.00	134.90
41430	Control Rm Ltg Cond								
1	Control Rm Ltg Cond-Labor	14,262.00	3,565.50	7,131.00	.00	10,696.50	75	3,565.50	534.83
		.00							
3	Control Rm Ltg Cond-Mater	6,526.00	1,631.50	3,263.00	.00	4,894.50	75	1,631.50	244.73
		.00							
	Total Control Rm Ltg Cond	20,788.00	5,197.00	10,394.00	.00	15,591.00	75	5,197.00	779.56
41440	Control Rm Ltg Wire								
1	Control Rm Ltg Wire-Labor	2,431.00	.00	.00	.00	.00	0	2,431.00	.00
		.00							
3	Control Rm Ltg Wire-Mater	781.00	.00	.00	.00	.00	0	781.00	.00
		.00							
	Total Control Rm Ltg Wire	3,212.00	.00	.00	.00	.00	0	3,212.00	.00
41450	Control Rm Ltg Fixt								
1	Control Rm Ltg Fixt-Labor	2,918.00	.00	2,480.30	.00	2,480.30	85	437.70	124.02
		.00							
3	Control Rm Ltg Fixt-Mater	9,336.00	9,336.00	.00	.00	9,336.00	100	.00	466.80
		.00							
	Total Control Rm Ltg Fixt	12,254.00	9,336.00	2,480.30	.00	11,816.30	96	437.70	590.82
	J o b T o t a l s	1007313.24	925,788.04	44,576.05	.00	970,364.09	96	36,949.15	50,183.89





**Brickhouse  
Environmental**  
*Consultants and Engineers*

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

Invoice number 5483  
Date 8/2/2010

Client ID: 548

Contract: 09.2532  
E Goshen Twp-Ridley Creek Sewer  
Scope of Work: Project No. 09-2532-0 E. Goshen/Ridley Creek Sewer Plant/WW Engineering

Attn: Mr. Rick Smith, Township Manager

SEE PROJECT ACCOMPLISHMENTS ATTACHED.

---

Professional Services Rendered Through the Month of July 2010.

---

**Labor**

<u>Employee Type</u>	<u>Hours</u>	<u>Amount</u>
Project Manager	135.75	14,911.25
	Labor Total	135.75
		14,911.25
		<u>Amount</u>
Reimbursable		0.00
	Expense Total	0.00
		<b>14,911.25</b>
	<b>Invoice Total</b>	<b>14,911.25</b>

OK R S  
8/6

515 South Franklin Street  
West Chester, PA 19382

Phone 610.692.5770  
Fax 610.692.8650

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

*When Creativity & Experience Count*

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**Project Accomplishments**  
**B E Project No. 09-2532-0**  
**East Goshen / Ridley Creek Sewage Treatment Plant Upgrade / Expansion**  
**July 2010**

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

- 7-1-10 Site visit to check plant performance issues and meet with Penmoni inspector.
- 7-2-10 Site visit for construction progress, centrifuge set on 8" elevated pads as correction, DAVCO painters left at 10 a.m. SBR # 3 septic during the week due to low D.O. Clinger working on conduit.
- 7-6-10 Site visit observation of T3 painter working on Davco # 2. Urethane coating applied to #1 previous day. Worth working on sludge conveyors and centrifuge platform. Clinger working on conduit.
- 7-7-10 Site visit observation of T3 painter working on Davco handrails. Worth working on centrifuge platform and polymer system. Spotts on site at Screen Building; Trinity completing Basin #2. Clinger working on sludge dewatering conduit.
- 7-8-10 Attend biweekly Progress Meeting. Reardon Materials/ Siemens rep. Carl Jansen in attendance. Mark Miller expressed Twp. Authority's disappointment with lack, slow and ineffective responses from Siemens to the SBR performance issues. Clinger working on alum feed; Worth in the Dewatering Building and T3 painters on site.
- 7-9-10 Prepare Project Managers Report for June 2010.
- 7-12-10 Site visit observations of SBRs struggling with low D.O. conditions, operator unable to override computer programming. All site in ground piping complete.
- 7-12-10 Prep for and attend Authority Monthly Meeting and present PM Report.
- 7-13-10 Site visit observations of alum valves 1 & 4 being attended to by Khloros re: malfunction in auto position. Electronics appear correct. GE working on Blower # 3 tripping, vfd replaced. Check on plant performance.
- 7-14-10 Site visit observation of Worth working on centrifuge pump and grinder & installing replacement doors. Clinger not on site. Sludge Dewatering Building interior being painted.

- 7-15-10 Site visit observation of treatment performance; Clinger working in centrifuge room; Worth working in Dewatering Building.
- 7-16-10 Site visit observations of T3 painters on site for 3 hours. Clinger's 3 personnel working in Dewatering Building. SBR 3 sludge holding no D.O. Plant performance check shows SBRs 1 & 2 improved conditions with chocolate brown w/ tan foam.
- 7-19-10 Site visit observations of insulation being installed on Dewatering Building exterior while interior is painted. Generators engaged at 1:50 pm. Systems show issue is off site. Screen unit adjustments made by tech due to auger in constant run. Township stoning area (following grading) along east side of Treatment Building. Bio- Retention Basin # 2 silting up – shown be cleaned out. Check on plant performance.
- 7-20-10 Site visit observations of Siemens Paul Christiansen on site for SBR trouble shooting, performance resolution and training– coordinating w/ Tom Horrex & Brickhouse. Bio- Retention Basin # 2 silt load removed. Plantings being installed. Reminded Worth that the plantings must be watered each a.m. T 3 painters working on Davco # 2 interior.
- 7-21-10 Attended Siemens SBR process trouble shooting and training.
- 7-22-10 Attended Siemens SBR process trouble shooting and training.
- 7-22-10 Biweekly Progress Meeting. Siemens Paul Christiansen briefed all on modifications toward better SBR performance and recommended sampling for tracking.
- 7-26-10 Site visit to check on plant performance and construction progress. DEP inspection. Clinger, Worth & T3 on site.
- 7-27-10 Site visit to check on plant performance and construction progress.
- 7-28-10 Site visit observations of SBR hoist davits set; Floc and Effluent Storage tanks painted; Davco # 2 railing being painted; Davco # 1 feeding from MH # 1 sump. Bio Basin watered in a.m.
- 7-28-10 Attend Biweekly progress meeting. Clinger, Worth & T3 on site. Check on plant performance.
- 7-29-10 Site visit to check on plant performance. Clinger working on alum feed controls, sludge conveyors and filter feed disconnect switches. Worth working on filter feed pump piping.

- 7-30-10 Site visit. Update project notes; tel. con. with Worth's Jeff Bush re: spark test for Davco #1.

**Note: As of July 31, 2010 the cumulative project management hours originally budgeted were 1,502 (with project involvement anticipated to be completed week ending August 8, 2010). The actual cumulative hours on July 31, 2010 were 1,221.**



Brickhouse Environmental

**East Goshen 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 76 weeks for the same cumulative \$175,030 (at \$115/hour) in order to:

1. Reflect actual total as of July 31, 2010 as a new baseline; and
2. Develop a new schedule extended to week 76.

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-Jul-10	30	1,221	\$139,715	\$14,911.25	135.75	1221.0	\$139,715	\$14,911.25	
8-Aug-10	30	1,251	\$143,865						
15-Aug-10	30	1,281	\$147,315						
22-Aug-10	25	1,306	\$150,190						
29-Aug-10	30	1,336	\$153,640						
31-Aug-10	12	1,348	\$155,020	\$14,605					
5-Sep-10	15	1,363	\$156,745						
12-Sep-10	20	1,383	\$159,045						
19-Sep-10	30	1,413	\$162,495						
26-Sep-10	30	1,443	\$165,945						
30-Sep-10	25	1,468	\$168,820	\$13,800					
3-Oct-10	4	1,472	\$169,280						
10-Oct-10	35	1,507	\$173,305	\$4,485					

The above schedule reflects projected totals. A contingency budget of 15 hours and \$1,725 remains to meet the original contract total value.

**Draft**  
**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY**  
**MEETING MINUTES**  
**July 12, 2010**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday July 12, 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 Fowler from Brickhouse Environmental; Evan Andrews, Authority Engineer; Bob Adams, Authority Solicitor; Carmen Battavio, Township Supervisor; Mark Miller, Director of Public Works; Ellen Carmody, Historical Commission; Megann Hedgecock, Planning Commission; and Brian Crowe, resident.

**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 7:00 p.m. and led those present in the Pledge of Allegiance. There was a moment of silence to remember our Armed Forces. Jack announced there would be an executive session after the regular meeting.

**2. RCSTP REPORTS**

A. Brickhouse Report – Scott reported that Phase II of Ridley Creek Sewage Treatment Plant (RCSTP) upgrade and expansion project continued. Significant progress was achieved with the construction and completion of the new sludge dewatering structure. The roof framing and insulation inspection was successful and installation of equipment was initiated. All major equipment, including the centrifuge, sludge conveyors, sludge pump and grinder has been installed. Although a conflict with the centrifuge support stand and sludge conveyor emerged, a solution to modify the support platform resolved the issue. Installation of the electrical conduit, junction boxes and control panels was initiated the week of June 21<sup>st</sup>.

The yard piping to convey the treated effluent into the post effluent flow equalization basins and the disc filter feed pumps was installed and passed the pressure test. The sludge wastewater activated sludge piping and air piping to the Davco tanks was installed and successfully tested. Installation of the non-potable water line and yard hydrant was initiated. Bio-retention basin number 2 was excavated and prepared for the addition of the soil mixture and vegetation.

The refurbishment of Davco tank #1 was nearly completed. Sand blasting and application of the coatings was completed on the interior and exterior of the tank surfaces. Installation

1 of the replacement aeration drop piping and diffusers was completed. Sand blasting and  
2 painting of the Davco #2 tank was initiated.  
3 Operation of the SBRs and related equipment continued during the month. The chemical  
4 feed systems are planned to be operational during July to allow the Plant Operator to  
5 determine the appropriate set points and feed rates. Dissolved oxygen concentrations and  
6 the total time of aeration are a concern of the Plant Operator. Measures to obtain dissolved  
7 oxygen concentration information from the local transmitters are in progress.

8  
9 Key administrative and contractual items completed during the month included the  
10 acceptance and approval of worth & Company change order 004 by the Municipal  
11 Authority. This change order authorized the additional masonry work described in PCO-24.  
12 A meeting between representatives from the Municipal Authority and Wm. H. Clinger was  
13 conducted on June 11, 2010 to develop a solution of outstanding issues.  
14 Two issues discussed were: 1) they are not pleased with the feedback and service from  
15 Seimens and 2) T3 painter has caused some delays.

16  
17 B. Pennoni – Evan commented that he thinks the substantial completion date of August 6,  
18 2010 is optimistic. The painter is not keeping to the schedule and is causing delays.

19  
20 C. Cost Summary – Report was reviewed.

21  
22 **RCSTP CHANGE ORDERS**

23 A. None.

24  
25 **3. RCSTP INVOICES**

26 A. Pipe Xpress, Inc., #47081, 6/30/10, \$126.63. Joe moved to approve payment. Fran  
27 seconded the motion. There was no further discussion or public comment. The motion  
28 passed unanimously.

29  
30 B. Great Valley Lockshop, #90474, 6/15/10, \$204.40. Joe moved to approve payment.  
31 Mike seconded the motion. There was no further discussion or public comment. The  
32 motion passed unanimously.

33  
34 C. O'Rourke and sons, #163731, 6/8/10, \$150.00. Fran moved to approve payment. Joe  
35 seconded the motion. There was no further discussion or public comment. The motion  
36 passed unanimously.

37  
38 D. Pennoni, #442961, 6/29/10, \$17,901.25. Jack moved to approve payment. Dana  
39 seconded the motion. There was no further discussion or public comment. The motion  
40 passed unanimously.

41  
42 E. Pennoni, #442963, 6/29/10, \$615.00. Fran moved to approve payment. Dana seconded  
43 the motion. There was no further discussion or public comment. The motion passed  
44 unanimously.

1 F. Clinger, #15, \$40,633.52. Jack moved to approve payment. Fran seconded the motion.  
2 There was no further discussion or public comment. The motion passed unanimously.  
3

4 G. Worth, #19, \$299,663.25. Joe moved to approve payment. Fran seconded the motion.  
5 There was no further discussion or public comment. The motion passed unanimously.  
6

7 H. Brickhouse, #5443, 7/1/10, \$11,845.00. Mike moved to approve payment. Dana  
8 seconded the motion. There was no further discussion or public comment. The motion  
9 passed unanimously.  
10

11 **4. CHAIRMAN’S REPORT**

12 A. None  
13

14 **5. APPROVAL OF MINUTES**

15 A. Fran moved to approve the minutes of the June 14, 2010 regular meeting as corrected.  
16 Joe seconded the motion. The motion passed unanimously.  
17

18 **6. ENGINEER’S REPORT**

19 RCSTP Upgrade and Expansion

20 \* Construction phase services continue including: progress meetings with the contractors  
21 and Township every other Thursday; observation services continue including coordination  
22 and communication with Brickhouse and the Township; receipt, review, and return of  
23 contractor submittals; negotiation, review, and approval of Payment Requests.

24 \* A breakdown of effort expended over the past month by Pennoni is provided with the  
25 invoice detail.

26 \* An estimate of Pennoni effort to observe the remaining construction, start-up activities,  
27 contract close-out, and as-built drawing preparation is being provided separately. The  
28 estimate is based on a substantial completion date of August 20, 2010.  
29

30 RCSTP Soda Ash System

31 Pennoni has been investigating the Acrison dry chemical feed system for possible  
32 application at the RCSTP. The cost is \$45,000.00 for the piece of equipment. The  
33 possibility of using liquid form was cheaper initially but more expensive to operate. Scott  
34 cautioned about spill containment and need of a new water heater. A decision on this matter  
35 was differed.  
36

37 I/I Metering Project

38 The Township continues to meter flows at selected locations. Metering data is being  
39 reviewed for the period of March through June. At the meter upstream from the plant, the  
40 effect of flash storms is less than previously, which means the laterals are helping. It is  
41 estimated that 25% of the flow is not sewage.  
42

43 Ridley Creek Consent Order

44 The third Semi-Annual Report was prepared and submitted to DEP on March 26, 2010 as  
45 required by the CO&A. The next report is due to DEP by September 30, 2010 and will  
46 address comments received from Mr. Goldberg on 6/8/2010.



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

These documents were provided to the Township for submittal to DEP.

Marydell PS Elimination Planning

The notification letters (Component 4) and associated documents are being prepared for distribution this month to planning and health department for their review and comment.

**7. APPROVAL OF INVOICES**

A. None

**8. LIAISON REPORTS**

A. Planning Commission – Megann reported that the Hankin Group presented a proposal to remove the retail from the New Kent Apartment site and build 2 new apartment buildings. Schaffer has purchased the old Torie Inn and wants to use it for offices. Schaffer is a wholesaler of dry spices. They are requesting a waiver of the need for a Historic Impact Study and less parking than required for a commercial property.

Swiss Farms is requesting permission to use banners and signs to attract more business. Dan Daley was appointed as a new member of the Commission.

B. Historical Commission – Ellen reported that Schaffer made a presentation to the Commission. The Commission approved his request for the waiver of the Historic Impact Study based on the fact the he intends to keep the historic aspect of the property. Some members of the Historical Commission assisted at the Paoli Battlefield Town Tour. They had about 100 people in spite of rain just before the tour started.

On 7/4/10 some members helped at the Paoli Freedom Ring event.

July 22<sup>nd</sup> is the East Goshen Town Tour. She encouraged everyone to come and see how life was here during the fall of 1777 and the spring of 1778.

C. Board of Supervisors - Carmen reported that the BOS denied the request to put a cell tower behind the Wawa on Paoli Pike.

**9. FINANCIAL REPORTS**

Mike gave Rick a sample of the changes he is requesting on the monthly report.

**10. GOALS**

Dana reported that although he did not attend the West Goshen meeting, he understands that there is possible litigation with DEP.

**11. OLD BUSINESS**

A. None

**12. NEW BUSINESS**

A. None

**13. CAPACITY REQUESTS**

None

1 **14. SEWER REPORTS**

2 A. Mark Miller reported that gallonage to West Goshen is down.

4 **15. ANY OTHER MATTER**

5 Mike asked about Pine Rock Road sign up for sewer connection. Rick reported that the  
6 Township had to file liens against 2 properties owned by one person.

8 **16. CORRESPONDENCE**

9 None

11 **17. PUBLIC COMMENT**

12 Brian Crowe, Wentworth Subdivision. He has been a resident since 1992. His sewer bill  
13 has increased from \$140. to over \$200. He feels that the fixed and variable fees aren't  
14 equitable. He will send a request to the Authority's Solicitor for detailed data for  
15 commercial and residential properties. Carmen explained that the Board of Supervisors are  
16 the ones who set the rates, so he should send his request to Rick Smith.

18 **19. ADJOURNMENT**

19 There being no further business, the Authority went into Executive session at 8:00 p.m.

21 Respectfully submitted,

24 Ruth Kiefer, Recording Secretary



Gawthrop Greenwood, PC  
Attorneys at Law

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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  
06/30/2010  
Client No: 6604-01M  
Invoice No. 80670

General Authority Services

Fees

06/14/2010			Hours	
RFA	Review packet for Authority meeting of 6/14/10; attend regular meeting of Authority.		3.00	
	For Current Services Rendered		3.00	570.00

Recapitulation

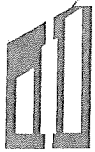
<u>Timekeeper</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>Total</u>
Robert F. Adams	3.00	\$190.00	\$570.00

Previous Balance	\$665.00
Total Current Charges	570.00

06/18/2010	Fee Payment	-665.00
	Balance Due	<u>\$570.00</u>

OK  
RS

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.



# MAILLIE, FALCONIERO & COMPANY, LLP

*Certified Public Accountants and Business Counselors*

www.maillie.com

PO Box 3068  
West Chester, PA 19380-3068  
610-696-4353  
Fax: 610-430-8811

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

D. Scott Detar  
George J. Falconero  
John J. Crenny, Jr.  
Frank L. Pellegrini  
James M. Powers  
Glenn B. Bachman  
Raymond T. Mock  
Robert L. Caruso  
Edward J. Furman  
Robert L. Boland  
Robert M. Manero  
Donald J. Pierce

East Goshen Municipal Authority  
1580 Paoli Pike  
West Chester PA 19380-6107

Client ID: 2500  
Invoice #: 84681  
Invoice Date: 6/16/2010  
Date Due: 7/16/2010

*Please return top portion with remittance.*

Amount enclosed \$ \_\_\_\_\_

For Professional Services Rendered as Follows:

**Regarding: East Goshen Municipal Authority**

For examination of the financial statements of the Authority for the year ended December 31, 2009 and assistance with preparation of Management Discussion and Analysis report

Actual time and charges incurred	8,219.00
Less progress bill	(5,000.00)
Courtesy to reduce total to engagement letter estimate	(1,319.00)
	<hr/>
New Charges:	\$1,900.00
Plus Prior Balance:	0.00
	<hr/>
New Balance:	<u>\$1,900.00</u>

OK RS  
7/13

Finance charges of 1 1/2% per month will be added to the unpaid balance of accounts over 30 days from invoice date. Annual percentage rate of 18%. We accept Visa, Mastercard, Discover and American Express.



# 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 # : 446544**  
**Invoice Date : 07/29/2010**  
**Project : EGMA1000**  
**Project Name : 2010 Annual Services**

**For Services Rendered through: 07/18/2010**

Preparation and participation in monthly board meeting; review of potential soda ash feed system for RCSTP and consultation with Township.

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

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

Labor :	472.50
Expense :	0.00
<b>Phase Total :</b>	<b>472.50</b>

**Amount Due This Invoice**

**\$472.50**

Fee :	10,000.00
Prior Billings :	8,144.50
Current Billings :	472.50
<b>Total Billings :</b>	<b>8,617.00</b>

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

**Labor**

<u>Class</u>	<u>Hours/ Units</u>	<u>Rate</u>	<u>Amount</u>
Authority Engineer	4.50	105.00	472.50
<b>Labor Total:</b>	<b>4.50</b>		<b>472.50</b>

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

Labor :	\$472.50
Expense :	\$0.00

**Total Project : EGMA1000 -- 2010 Annual Services**

Labor :	\$472.50
Expense :	\$0.00

ok RS  
8/5

East Goshen Municipal Authority  
 EGMA1000 Invoice Summary.xls  
 Invoice Date 06-29-2010

<b>Project:</b>	2010 Annual Services		
<b>Pennoni Job No.:</b>	EGMA 1000		
<b>Invoice No:</b>	446544		
<b>Invoice Period:</b>	6/21/2010	to	7/18/2010
<b>Initial Authorization:</b>	\$ 10,000.00	<b>Date:</b>	1/11/2010
<b>Changes:</b>	\$ -	<b>Date:</b>	
<b>Contract Amount:</b>	\$ 10,000.00		
<b>Previously Invoiced:</b>	\$ 8,144.50		
<b>Current Invoice:</b>	\$ 472.50		
<b>Invoiced to Date (\$):</b>	\$ 8,617.00		
<b>Invoiced to Date (%):</b>	86%		
<b>Remaining Budget (\$):</b>	\$ 1,383.00		
<b>Remaining Budget (%):</b>	14%		

**Budget by Phase:**

<b>Phase No.</b>	****		
	<b>2010 Annual</b>		
<b>Phase Name:</b>	<b>Services</b>		
<b>Phase Budget:</b>	\$ 10,000.00		
<b>Previously Invoiced:</b>	\$ 8,144.50		
<b>Current Invoice:</b>	\$ 472.50		
<b>Invoiced to Date (\$):</b>	\$ 8,617.00		
<b>Invoiced to Date (%):</b>	86%		
<b>Remaining Budget (\$):</b>	\$ 1,383.00		
<b>Remaining Budget (%):</b>	14%		

**Comments:** Preparation and participation in monthly board meeting;  
 review of potential soda ash feed system for RCSTP  
 and consultation with Township.

10a

**2010  
EAST GOSHEN MUNICIPAL AUTHORITY GOALS  
AUGUST 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 – **Not Completed**
  - 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. BoS adopted Resolution 10-106 on 6/15/2010. Revisions sent to PA DEP on 6/16/10. **Received DEP 7/13/10 review letter. Currently working on response.**
2. Obtain Act 537 Plan approval for the Greenhill PS Redirection and the Reserve PS Abandonment Project. BoS adopted resolutions 10-105 and 10-

108 on 6/15/10. Revisions sent to PA DEP on 6/16/10. **Received DEP 7/14/10 review letter. Currently working on response.**

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. Obtained agreement on diversion from West Goshen on 5/13/10.

#### FUNDING

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



EAST GOSHEN MUNICIPAL AUTHORITY  
EAST GOSHEN TOWNSHIP  
1560 PAOLI PIKE, WEST CHESTER, PA 19380-6199

15 SEWER REPORTS  
a.

July 28, 2010

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

**Meter:** All meters were read on a daily basis. Due to lack of rainfall the flows are down.

**C.C. Collection:** All pumping stations were visited on a daily basis with no problems to report.

**R.C. Collection:** Pumping stations were visited on a daily basis with no problems to report.

**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.

**Ridley Creek Plant:** The Public Works Department installed a new sewer lateral for the lab and restroom. The lab is up and running and Scott has been running tests on a daily basis.

**Ridley Expansion:** The Centrifuge building is approx. 85% complete. The piping for the clarifier tanks are still being painted. (slow)

**Pa One Calls:** We received 62 PA One calls for the month of July.

**Alarms:** 10 alarms for the month of July.



Artesian Water Company



Artesian Wastewater Management



Artesian Utility Development



Artesian Water Pennsylvania

Artesian Water Maryland



Artesian Wastewater Maryland



Artesian Consulting Engineers

15. SEWER REPORTS  
C. 2010

OVER 100 YEARS OF SUPERIOR SERVICE

July 8, 2010

Mr. Mark Miller  
Director of Public Works  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

**RE: Lockwood Chase Wastewater Treatment Facility  
June 2010 Operations Report**

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

JUL 12 2010

Dear Mr. Miller:

The following is the June 2010 monthly operations report for East Goshen Township's Lockwood Chase Wastewater Treatment Facility.

Treatment plant operations were normal during the month of June 2010. Routine inspections and equipment preventative maintenance were completed as required. The total amount of wastewater treated and discharge during the month was 566,800 gallons, which represents an average daily flow of 113,360 gallons per day.

The influent area operated normally during the month. The comminutor unit was in-service continuously and no problems were experienced with the unit or its controls. The plant operator cleaned the bypass channel and removed debris from the comminutor housing as needed. Grit accumulations were removed manually from the bottom of the influent chamber and disposed of via the trash can.

The aeration pond operated normally during the month of June. The pond's color was greenish with some light accumulation of surface algae and scum. The floating aerators were in service via the automatic mode of operation, which allows for two (2) off periods during each day. There were problems with the #2 aerator when the unit was found not operating on June 1, 2010. The Township utilized the services of Lenni Electric, Inc. to troubleshoot and reverse the unit to clear a blockage and return it to operation. On June 9, the unit was found not operating again. The plant operator reset the circuit breaker and returned the unit to service. No further problems have been experienced.

The polishing pond operated normally during the month as well. The pond's color remained very green due to algae growth with some light accumulation of surface duckweed and algae. The pond's level continued to flocculate with discharge spraying.

2002

The chlorine feed system and chlorine contact tank were operational throughout the month to meet disinfection requirements. Liquid chlorine continued to be added directly to the chlorine contact tank prior to the start of each spray cycle to improve disinfection and reduce odor issues. A new chlorine pump was installed on June 8, when the plant operator could not maintain prime with the old unit. Artesian Utility Development, Inc. delivered sodium hypochlorite to the site during the month of June to replenish supplies.

The discharge spray system was operational during the month. The discharge pumps were alternated manually and utilized in the hand mode to achieve discharge requirements. Spray fields No.1 through No. 5 were utilized to prevent odor issues and were manually open to prevent back pressure on the discharge pumps.

The second quarter 2010 monitor well samples were collected during the month of June. Monitoring wells No. 1, No. 2, and No. 5 were all dry when inspected.

Results of influent, final effluent, and monitoring well samples collected during the month were not available to date, but current permit compliance is expected.

Should you have any questions, please do not hesitate to contact me.

Sincerely,



Tom Horrex  
Treatment Plant Operator

C Mr. Evan Andrews – Pennoni Associates



Artesian Water Company



Artesian Wastewater Management



Artesian Utility Development



Artesian Water Pennsylvania

Artesian Water Maryland



Artesian Wastewater Maryland



Artesian Consulting Engineers

OVER 100 YEARS OF SUPERIOR SERVICE

16. SEWER READERS  
d.  
2 pgs

July 7, 2010

Mr. Mark Miller  
Director of Public Works  
East Goshen Township  
1580 Paoli Pike  
West Chester, PA 19380

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

JUL 12 2010

**RE: Ridley Creek Wastewater Treatment Facility  
June 2010 Operations Report**

Dear Mr. Miller:

The following is the June 2010 monthly operations report for East Goshen Township's Ridley Creek Wastewater Treatment Facility.

Treatment plant operations were normal during the month of June with the new facility still experiencing some operational issues, which are expected during the startup phase. Routine inspections and equipment preventative maintenance were completed as required. The total amount of wastewater treated and discharge during the month was 7,432,000 gallons, which represents an average daily flow of 247,733 gallons per day.

The influent area operated normally during the month. The muffin monster and influent screen were in service continuously and no problems were experienced with the units or their controls. Debris generated by the screens was disposed of via trash bags into the dumpster. Soda ash continued to be added on a daily basis to adjust and control pH and alkalinity values. The three (3) raw lift pumps and associated controls experienced no operational problems. The grit accumulation problem occurring in the influent channel prior to the muffin monster continued to be an issue during the month of June. The plant operator manually hosed and flushed the build-up through the area.

The Sequential Batch Reactors (SBRs) were on line and being adjusted as part of startup procedures during the month. Units #1, #3, and #4 were in service treating waste. Water white unit #2 was off line and being used as a temporary sludge holding tank until Phase 2 work is completed. The SBR units in service are working and producing a good quality effluent, although problems with maintaining adequate dissolved oxygen levels in the aerated fill and react cycles continues. The plant operator is working with the Siemens Representative to introduce new set points into the system in an effort to solve the problem. Additionally, during the month of June, some problems were found and corrected in the system's program. These corrections have allowed sludge wasting to be accomplished in a more controlled manner. Dissolved oxygen graphing/trending, although not provided as part of our package, would be

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very helpful in continuously monitoring dissolved oxygen levels throughout all the phases in each SBR to visually see when and where levels are too low.

The disc filters were in service continuously throughout the month of June. Some alarms were triggered due to the level of water being too low for backwashing. These alarms were reset and the systems were returned to normal service without problems. The valve change outs and the high level float adjustments made last month have allowed the filters to work extremely well with less than perfect water quality and changing flow rates.

The ultraviolet light disinfection system operated normally during the month of June. There were only a few low intensity alarms, which were caused by poor water quality. These alarms were reset and the unit was easily returned to normal operations.

During the month of June, the plant did experience one (1) major electrical failure in the blower #3 control panel. The failure was identified by Clinger Electric and General Electric is scheduled to inspect/repair the damaged components. As a result of the failure the plant operator was required to place the spare blower into service in the #3 position. This was done but an additional power surge on June 24<sup>th</sup> caused the control computer to drop the blower out of position resulting in SBR #3 not being aerated for approximately thirty six (36) hours and going septic. Once the problem was identified and corrected, the plant released a septic odor for another day and treatment in SBR #3 was negatively affected. To date, the plant operator is still working to restore water quality in SBR #3 back to normal.

Work on Phase 2 construction continued during the month. The DAVCO rehabilitation and the centrifuge building construction are proceeding well. Additional work around the plant is proceeding as well. One (1) area of concern is the alum feed system to the SBR's, which is not getting completed as quickly as the operator would like to allow for more control of water quality leaving the SBR units.

Results of influent and final effluent samples collected during the month indicate compliance with the existing final effluent permit limitations.

Should you have any questions, please do not hesitate to contact me.

Sincerely,



Tom Horrex  
Treatment Plant Operator

C Mr. Evan Andrews – Pennoni Associates

WEST GOSHEN SEWER AUTHORITY  
REGULAR MEETING  
July 7, 2010

17  
a  
5 pgs.

The regular meeting of the West Goshen Sewer Authority was held on Wednesday, July 7, 2010 at the STP Administration Building. Those present were:

<u>Authority</u>	<u>Supervisor</u>	<u>Unruh, Turner</u>
Walter Hoover	Dr. White	Amanda Sundquist
Mike Arnold		
Kevin Snoke		
John Windle		
Frank Biasi	<u>Administration</u>	<u>Glance Associates, Inc.</u>
Dave Johnson	John Scott	Max Stoner

Ken Fuller and Ron Rothrock were absent. Jack Yahrees from East Goshen Township was present.

The regular meeting of the Authority was called to order at 7:30 P.M. by Chairman, Walter Hoover. The Chairman then called for approval of the minutes from the June 2, 2010 meeting. On motion by Mike Arnold, seconded by Kevin Snoke, the minutes were unanimously approved with the correction from last months minutes that Amanda Sundquist was in attendance not Ross Unruh.

Amanda presented the Solicitor's Report for the month. The meeting with EPA is scheduled for July 8, 2010 at 1:00 p.m. There will be two representatives from Senator Dinniman's office attending the meeting. An appeal will be filed with regard to the DEP's action pertaining to the DEP delisting request letter that was sent. Kirkland Woods developer getting ready to get started, they have been in contact with Max and Ross. Unruh is still awaiting the escrow for Wexford Mews. The grinder pump agreement has been prepared and sent out for Liberty Tools and he is awaiting a response. The right of way papers for the South Concord Road project have been sent out but have received no reply.

Max Stoner gave the Engineers report dated July 7, 2010: (See report for details)

1. Current Items

a) Pumping Station Nos. 1 & 6 Upgrade

General construction work has a few minor items to be done at PS#1 by the plant staff.

b) Goose Creek Stream Study

The TMDL issues are winding their way through the court system and EHB.

c) Garage

The building is complete and occupied. Minor paperwork to complete to close out the project.

- d) Washington Street Pump Station  
Blooming Glen Contractors continue to work at the station. Brandywine Electrical has been working on running conduit and wiring.
  - e) East Goshen Proposed Diversion of Flows  
Nothing new this month.
2. The Arbours at West Goshen –  
Nothing New This Month
  3. Benson Townhouses-The Links  
Nothing New This Month
  4. Goshen Leisure Development  
Nothing New This Month
  5. The Jefferson at Matlack Street  
This project may not proceed. Nothing new this month.
  6. Dash Enterprises-  
This is located in the 300 block of Westtown Road, combining three previous residential Lots into one lot for a car dealership. The parking area has been completed.  
  
Dash has submitted a land development plan for an automobile storage lot at 716 East Union Street which was approved by the planning commission at their July 2009 meeting.
  7. Zarelli Subdivision 825 Goshen Road  
Nothing new this month.
  8. Margarita's Site Development  
Waiting for as-built plans. Nothing new this month.
  9. Wexford Mews  
Waiting for as-built plans. Nothing new this month.
  10. Chester County Hospital -  
Nothing New This Month
  11. Jerrehian Estate  
Large Tract  
Glance has started to review the sanitary sewer plans for the proposed 598 unit development. They are still proposing two (2) pumping stations. They have provided preliminary plans. We are considering possible tie-ins to Hamilton Woods and portions of the Caswallen development. The review has been completed with no major issues on the proposed design, the review letter was sent out last month.

Small Tract

They are still waiting for their NPDES Permits for this 25 lot subdivision and are prepared to proceed with final approval. Their engineer provided the additional paperwork for final approval from Max. An escrow account for construction needs to be established and they need to enter into a sewer extension agreement with the Authority.

12. Greehill Corporate Park – Lot 11

Drury Development Company is proposing a 2 ½ story 34,480 s.f. office building at 1171 McDermott Drive. There are no major issues with the sewer for this proposed project. this was approved at the planning commission in July.

13. Village of Shannon – Shadeland Woods

Nothing New This Month

14. Lincoln Independence Park

Nothing New This Month

15. South Concord Road / Glenn White Subdivision

This is a 20-lot single family residential subdivision of a portion of the Rolling Green Cemetery north of Amelia Drive. The second plan review is complete. There are some existing homes which may be able to connect to their proposed gravity collection system. The developer has agreed to provide a right of way to serve existing homes in the area. As per the Authority's previous policy the Authority would reimburse the developer for the actual cost of the sewer main extension.

16. DLH Development – Reservoir Property

Waiting for as-built drawings and dedication documents. D.L. Howell relocated their office to one of these buildings earlier this month.

17. Turner Square

Commercial development on the site of Frank's Nursery at the northeast intersection of Paoli Pike and Turner Lane. A restaurant has recently opened but the other fronts are still vacant. Nothing new this month.

18. Gavin Property – 415 Goshen Road

Nothing New This Month

19. Liberty Tools

This property will be served by a grinder pump. They have proposed to tie a few other lots into the low pressure system. John Scott has agreed with this concept which was done on Delaware Avenue and Wexford Mews. Ross has been discussing individual grinder pump agreements for each property that will connect to the system with the attorney for Liberty Tools. Nothing new this month.

20. Kirkland Woods

This is a new 7 lot sub-division on 4.3 acres, located at Kirkland Avenue and Ashbridge Road. The sanitary sewer main needs extended but no rights of ways are involved. A developer's agreement will need to be entered into between the Authority and the developer. The plan received approval from the Township and they have contacted Ross and our office



to establish a construction escrow account. They reviewed and approved the construction escrow account.

21. QVC Warehouse

QVC is planning an approximately 60,000 s.f. addition to its warehouse. There appear to be no significant issues with the sanitary sewer system for the proposed addition.

22. R.E. Michel

This is a proposed 14,542 s.f. warehouse/storage/office HVAC facility to be constructed on the existing R.E. Michel property on the south side of Westtown Road. No major issues with the sewer for this proposed project. This project is currently under construction.

The following invoices and requisitions were moved for approval by John Windle, seconded by Mike Arnold, and unanimously approved:

**ADMINISTRATIVE EXPENSES:**

PAYEE	PURPOSE	AMOUNT
Unruh	General Representation	\$ 424.00
Glance Assoc.	Quarterly Retainer	\$ 250.00
Barbacane, Thornton	Audit - final	\$ 1050.00
		\$ 0.00

**DEVELOPER ACCOUNTS:**

PAYEE	DEVELOPER	AMOUNT
Unruh, Turner	South Concord Road	\$ 36.00
Glance Assoc.	South Concord Road	\$ 253.64

On a motion by Kevin Snoke, and seconded by John Windle the following bills were approved for payment.

**BOND REMEMPTION & IMPROVEMENT FUND:**

REQUISITION #	PAYEE	PURPOSE	AMOUNT
1392	Brandywine Electrical	Washington Street PS	\$ 9,747.00
1391	Glance & Associates	Garage, Washington St. PS TMDL	\$ 379.00

1393	Hall & Associates	Periphyton Group NPDES Permit Chester Creek TMDL	\$ 858.74
1394	Unruh, Turner, Burke & Frees	Appeal to EHB	\$ 3,539.22

TRUSTEE BALANCES (as of May 31, 2010)

Tapping Fee - \$6,439,475.38  
BR&I - \$ 3,904.25

John Scott – copies of the audit are available. The insurance company agreed to cover the two screw pumps that broke down. The new parts for the screw pumps still have not been received.

Dr. White – Still no police contract, there is no building going on in the township at this time.

Max Stoner will recalculate the tapping fees for a possible increase in fees, he will inform the Authority of the new figures at the next meeting, at this time it looks like the tapping fees will be going up.

There being no further business, on motion by Kevin Snoke, seconded by Frank Biasi, the meeting was adjourned at 7:57 p.m.

Respectfully submitted,

Tina Charron, Recording Secretary



# WEST GOSHEN SEWER AUTHORITY

17  
b  
4 Pgs.

848 South Concord Road • West Chester, Pennsylvania 19382  
610-696-0900 • Fax 610-429-9360

**FYI**

7/13/10

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

JUN 25 2010

June 23, 2010

Mike Cotter, Township Manager  
West Whiteland Township  
101 Commerce Drive  
Exton, PA 19341

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

Mr. Robert Layman  
Westtown Township  
P.O. Box 79  
Westtown, PA 19395-0079

Ladies and Gentlemen:

Please find enclosed the West Goshen Sewer Authority's Annual Financial Statement for the Fiscal Year 2009.

Sincerely,

Tina Charron  
Recording Secretary

Enclosure

WEST GOSHEN SEWER AUTHORITY

MANAGEMENT'S DISCUSSION AND ANALYSIS (conf'd)

At the end of the current fiscal year, the Authority is able to report positive balances in net assets.

The net assets of the Authority decreased by the amount of \$64,490 during the current year. The revenues for the Authority during this reporting period decreased due to lower earnings on investments, decreased tapping fees and lower lease rental payments.

The Authority experienced increased operating expenses in the amount of \$87,329 due to an increase in legal fees.

Table 2 shows the changes in net assets for the years ended December 31, 2009 and 2008.

Table 2.

WEST GOSHEN SEWER AUTHORITY'S CHANGES IN NET ASSETS For the Years Ended December 31, 2009 and 2008		
	<u>2009</u>	<u>2008</u>
Revenues:		
Program Revenues:		
Charges for services	\$ 13,999	\$ 91,570
General Revenues:		
Lease rentals, West Goshen Township	1,086,292	1,139,423
Capital contributions	-	98,854
Other	53,792	224,257
Total Revenues	<u>1,154,083</u>	<u>1,554,104</u>
Expenses:		
Operating expenses	1,010,435	923,106
Loss on disposal of capital assets	52,362	-
Interest on bonds	142,536	219,839
Amortization expense	13,240	13,240
Total Expenses	<u>1,218,573</u>	<u>1,156,185</u>
Change in Net Assets	(64,490)	397,919
Net Assets, January 1	<u>23,185,976</u>	<u>22,788,057</u>
Net assets, December 31	<u>\$ 23,121,486</u>	<u>\$ 23,185,976</u>

The Township of West Goshen incorporated the Authority in 1958 for the sole purpose of financing construction of a sewage collection system and treatment plant, which is operated and maintained by the Township under a long-term lease. Revenues for the Authority include lease rentals from the Township of West Goshen, tapping fees and capital contributions from other townships.

WEST GOSHEN SEWER AUTHORITY

MANAGEMENT'S DISCUSSION AND ANALYSIS (cont'd)

FINANCIAL ANALYSIS OF THE AUTHORITY

One of the most important questions asked about the Authority's finances is "Is the Authority better off or worse off as a result of the year's activities?". The Balance Sheet and the Statement of Revenues, Expenses and Net Assets report information about the Authority's activities in a way that will help answer this question. These two statements report the net assets of the Authority and changes in them. The reader can think of the Authority's net assets (the difference between assets and liabilities) as one way to measure financial health or financial position. Over time, increase or decrease in the Authority's net assets is one indicator of whether its financial health is improving or deteriorating. However, the reader also will need to consider other nonfinancial factors such as changes in economic conditions, population growth and new or changed legislation.

The Authority's assets exceeded liabilities by \$23,121,486 at the close of 2009. Our analysis focuses on the assets (Table 1) and the changes in net assets (Table 2) of the Authority.

Table 1.

WEST GOSHEN SEWER AUTHORITY'S NET ASSETS		
December 31, 2009 and 2008		
	2009	2008
Assets:		
Current and other assets	\$ 7,873,940	\$ 8,957,001
Capital assets	<u>21,205,089</u>	<u>21,021,165</u>
Total Assets	<u>29,079,029</u>	<u>29,978,166</u>
Long-term liabilities outstanding	4,956,795	5,831,143
Other liabilities	<u>1,000,748</u>	<u>961,047</u>
Total Liabilities	<u>5,957,543</u>	<u>6,792,190</u>
Net Assets:		
Invested in capital assets, net of related debt	15,347,089	14,318,165
Restricted	7,723,535	8,804,374
Unrestricted	<u>50,862</u>	<u>63,437</u>
Total Net Assets	<u>\$ 23,121,486</u>	<u>\$ 23,185,976</u>

The largest portion of the Authority's net assets reflects its investment in capital assets (land, buildings, equipment, infrastructure and construction-in-progress), less any related debt used to acquire those assets that is still outstanding. The majority of the outstanding debt of the Authority was incurred for the significant upgrade and expansion to the Wastewater Treatment Plant. Although the Authority's investment in its capital assets is reported net of related debt, it should be noted that the resources needed to repay this debt must be provided from other sources, since the capital assets themselves cannot be used to liquidate these liabilities. The Authority currently has over \$7,700,000 that can be used for capital improvements and/or repayment of debt.

The remaining balance of unrestricted net assets, \$50,862, may be used to meet the Authority's operating expenses.

## WEST GOSHEN SEWER AUTHORITY

### MANAGEMENT'S DISCUSSION AND ANALYSIS

This discussion and analysis of West Goshen Sewer Authority (the "Authority") of West Goshen, Pennsylvania, provides an overview of the Authority's performance for the year ended December 31, 2009. Please read it in conjunction with the Authority's financial statements, which begin on page 10.

#### FINANCIAL HIGHLIGHTS

- The Authority has \$1,170,553 of capital improvement projects underway as of December 31, 2009.
- Tapping fees for 2009 were \$13,999, a decrease of \$77,571 from 2008.
- Lease rental for 2009 was \$1,086,292, a decrease of \$53,131 over 2008.
- Investment income was \$4,828, a decrease of \$142,002 from 2008.
- As of December 31, 2009, the Authority reported an ending fund balance of \$23,121,486, a decrease of \$64,490 as compared to the prior year.
- The Authority spent \$156,920 in legal fees in attempting to prevent the U.S. Environmental Protection Agency and the Pennsylvania Department of Environmental Protection from the adoption of unjustified nutrient limits.

#### USING THIS ANNUAL REPORT

This annual report consists of three parts: Management's Discussion and Analysis, Basic Financial Statements and Supplementary Information. The financial statements also include notes that explain in more detail some of the information in the financial statements.

#### Required Financial Statements

The financial statements report information about the Authority using full accrual accounting methods as utilized by similar business activities in the private sector. These statements offer both short-term and long-term financial information about its activities.

The Statement of Net Assets includes all of the Authority's assets and liabilities and provides information about the nature and amounts of investments in resources (assets) and obligations (liabilities). It also provides the basis for evaluating the capital structure of the Authority and assessing the liquidity and financial flexibility of the Authority. All of the current year's revenues and expenses are accounted for in the Statement of Revenues, Expenses and Changes in Net Assets. This statement measures the Authority's profitability and credit worthiness. The Statement of Cash Flows provides information about the Authority's cash receipts and cash payments during the reporting period. The statement reports cash receipts, cash payments and net changes in cash resulting from operations, investing, and capital and related financing activities and provides answers to such questions as "from where did cash come?"; "for what was cash used?"; and "what was the change in cash balance during the reporting period?".

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

### **Executive Summary**

Progress towards the completion of Phase II of the Ridley Creek Sewage Treatment Plant (RCSTP) upgrade and expansion project continued. Progress was achieved towards the installation of conduit and wiring for the equipment, control panels, sensor, light fixtures and general switches and receptacles within the sludge dewatering building. An August 17, 2010 date has been scheduled for start-up and training of the sludge dewatering equipment. Processing of sludge through the equipment is planned at the same time.

The ETMA Staff installed the drain piping from the existing building and connected it to the collection box prior to the influent wet well. Use of the treatment facility laboratory for process control testing has been utilized since the installation of the drain piping.

The interior and exterior painting of Davco tank #1 was completed. In addition, the hydrostatic testing was completed and passed the test. The interior of Davco tank #2 was completed with the exterior scheduled to be completed the week of August 9, 2010.

Operation of the SBRs and related equipment continued during the month. Paul Christensen of Siemens was on site from July 19 through the 22<sup>nd</sup> to provide troubleshooting and training. Adjustment to the programming was made in conjunction with Siemens and their programming subcontractor ICI. During the troubleshooting process, the SBR trend data indicates that a high organic loading may be present during the morning flows (ranging from 5:00 AM through Noon) This high loading adversely affects approximately two (2) cycles of the of the SBR process. Investigation towards identifying and quantifying the diurnal loading is ongoing. The aluminum sulfate chemical feed system activation has been delayed due to programming, wiring and pump operation issues.

A meeting between representatives from the Municipal Authority and the Authority's Solicitor was conducted on August 5, 2010 to discuss the outstanding claims by Wm. H. Clinger Corporation.

**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: August 5, 2010**

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

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**I. General Construction**

- 1. Influent Meter Vault**  
Allied Control Services (ACS) was on site to repair the flow meter under warranty.
- 2. Influent Lift Station**  
No change in status
- 3. Manhole Number 1**  
No change in status
- 4. Storm Water Bio Retention Pond No. 2 (Adjacent to Manhole No. 1)**
  - a. On July 20, 2010, the landscaper delivered and planted the shrubs within the bio-retention basin.
- 5. Screening Building**
  - a. On July 7, 2010, Spotts, the roofing contractor, completed the installation of the soffit and fascia on the Screening building.
- 6. Influent Force Main to SBRs**  
No change in status.
- 7. SBR Effluent Discharge, Disc Filter Feed Suction & WAS Piping**
  - a. The pipe and fittings from the SBRs to the Davco tanks is completed.
  - b. On July 12, 2010, the internal check valves for the disc filter feed pumps were installed. Installation of the pump suction piping and gates valves was initiated.
  - c. On August 3, 2010, installation of the disc filter feed pump suction and discharge piping was completed.



- 8. Flocculation Tank**
  - a. Adjustment of the FRP decking parallel to the new treatment building remains to be completed.
  
- 9. Disc Filters and Associated Equipment**

No change in status
  
- 10. SBR Basins**

The davits for the pump lifting hoist were installed.
  
- 11. SBR Equipment**

No change in status.
  
- 12. Treatment Building**
  - a. Installation of the insulation and aluminum casing for the blower discharge piping located within the electric room was completed.
  - b. The aluminum sulfate feed system wiring and controls to the SBRs were field verified. The Watson Marlow manufacturer representative has been requested to determine the correct programming for the pumps.
  
- 13. Treatment Building Roof**

No new activity
  
- 14. UV Disinfection System**

No new activity
  
- 15. Effluent Collection Box**

No change in status
  
- 16. Effluent Overflow Box**

No change in status
  
- 17. Utility Water Piping**

No change in status
  
- 18. Apple Brook Discharge**

No change in status.
  
- 19. Electrical**
  - a. On July 5, 2010, Wm. H. Clinger Corporation provided two (2) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster and centrifuge rooms continued.

- b. On July 6, 2010, Wm. H. Clinger Corporation provided two (2) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster, centrifuge and pump rooms continued.
- c. On July 7, 2010, Wm. H. Clinger Corporation provided four (4) employees on site, a foreman and apprentice. Installation of conduit and junction boxes within the sludge dewatering building dumpster, centrifuge and pump rooms continued.
- d. On July 8, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and two apprentices. The foreman was on site for ½ day. Adjusting the movs for the alum fed system and installing conduit.
- e. On July 9, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and two apprentices. Installation of conduit within the centrifuge room and light fixtures within the sludge dumpster room.
- f. On July 12, 2010, Wm. H. Clinger Corporation provided three (3) employees on site, a foreman and apprentice. Matt Burke on vacation this week. Installation of conduit and junction boxes within the centrifuge and dumpster rooms of the sludge dewatering building.
- g. On July 13, 2010, Wm. H. Clinger provided two (2) employees on site. One electrician and two apprentices. Matt Burke is on vacation. Assisted General Electric representatives with replacement variable frequency drive (VFD) for blower number 3 was replaced. Assisted Khloros with troubleshooting and adjusting the movs for the alum feed system.
- h. On July 14, 2010, Wm. H. Clinger Corporation not on site today.
- i. On July 15, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Matt Burke is on vacation. Installing conduit in the centrifuge room and pulling wires from centrifuge room to the pump room. Also working on installing conduit for the heaters within the dumpster and pump rooms.
- j. On July 15, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Matt Burke is on vacation. Pulling wires from the centrifuge room to the MCC.
- k. On July 19, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Installing light fixtures within the dewatering building and pulling wires.
- l. On July 20, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Installing conduits within the dewatering building dumpster room and seal-tite conduit to the motors for the sludge conveyors.
- m. On July 21, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Matt Burke was called off site

- to another job around 11:00 AM. Khloros was on site repairing and adjusting the alum feed system movs. Installing seal-tite conduit to the centrifuge motors.
- n. On July 22 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Matt Burke on site for ½ day, departed after status meeting. Installing wires and conduit within the sludge dewatering building pump room.
  - o. On July 23, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentices. Installing wires and conduit within the sludge dewatering building pump and centrifuge rooms. Foreman assisted Khloros with setting, adjusting and programming the Watson Marlow alum feed pumps and movs. All movs are operational.
  - p. On July 26, 2010 Wm. H. Clinger provided two (2) employees, one foreman and two apprentices. Installing disconnect switches for the disc filter feed pumps. Installing conduit within the centrifuge room.
  - q. On July 27, 2010 Wm. H. Clinger provided three (3) employees, one foreman and two apprentices. Installing wires and conduit within the sludge dewatering building centrifuge room. Pulling wires for the exhaust fans with the sludge dewatering building.
  - r. On July 28, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Matt Burke on site ½ day. Completing the installation of the disc filter feed pumps, wiring to the sludge conveyor s and alum feed controls.
  - s. On July 30, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working on the controls and limit switches for the slide gates for the reversing sludge conveyor.
  - t. On August 2, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working on the wiring for the filter feed pumps to the MCCC and wiring within the sludge dewatering building.
  - u. On August 3, 2010, Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Working of power cables for the centrifuge motors and the disc filter feed pumps.
  - v. On August 4, 2010 Wm. H. Clinger provided two (2) employees, one foreman and one apprentice. Installing conduit above the centrifuge platform. Began working on the lay out of the wiring for the home run duct bank between the new treatment and existing control buildings, Wire pull strings were placed through the home run conduits. This is the first day of work involving the home run dust bank (aka “additional duct bank”). It is estimated that one apprentice spent ¾ of the day on this task.

**20. Aeration Piping**

No change in status.

**21. New Sludge Dewatering Building**

- a. On July 6, 2010, Worth & Co provided a crew of two (2) men on site and worked on the sludge conveyor support system, and WAS piping brackets on the exterior of the Davco tanks.
- b. On July 12, 2010, Worth & Co. installed the SBR effluent and disc filter feed pipe fittings on the Davco tank, concentric fitting on the pumps, WAS piping and telescopic valves.
- c. On July 13, 2010, Worth & Co. installed the overhead doors on the sludge dewatering building, replacement steel entrance doors, welded the sludge conveyor I-Beam supports and sludge piping to the grinder.
- d. On July 19, 2010, the exterior finish system & insulation (EFIS) began to be applied to the exterior of the sludge dewatering building. The waterproofing coating and insulation were installed.
- e. On July 20, 2010, Worth & Co. installed the aeration manifold in Davco #1 and working on the disc filter feed discharge piping manifold. The painters completed the finish coat of interior paint within the dumpster room. The EFIS contractor sanded the insulation and began applying the first layer of mesh and cement mortar on the exterior of the building.
- f. On July 21, 2010, Worth & Co. completed the disc filter feed pump discharge manifold, installed the hoist davits on the SBRs and imitated work on the air compressor. The EFIS contractor completed the application of the mesh and cement mortar to the exterior of the building.
- g. On July 20, 2010, Cornerstone masonry contractors were on site installing the masonry lintel for the intake louver within the sludge pump room.
- h. On July 23, 2010, the centrifuge platform arrived today and assembly was initiated.
- i. On July 26, 2010, installation of the polymer and water piping within the centrifuge room, pipe stands for the disc filter feed manifold piping and patched lifting holes on the flocc tank.
- j. On July 27, 2010, Worth & Co. continuing to assemble and install the centrifuge platform. The platform requires modification and Worth submitted a plan to Pennoni Associates for review and approval. Began transferring groundwater to Davco #1 to perform the hydrostatic test.
- k. On July 28, 2010, Worth & Co. poured the concrete housekeeping pads for the centrifuge polymer system and air compressor. Pennoni responded to Worth's modification to the centrifuge

platform. Completed the installation of the utility water piping within the centrifuge room.

1. Worth & Co. continuing to fill Davco #1 with groundwater, completed the disc filter feed suction and discharge piping manifolds, completed the air compressor and air lines within the sludge dewatering building.

## **22. DAVCO Painting & Refurbishment**

- a. On July 6, 2010, crews of three (3) men were on site painting Davco #1 tank hand rails and begin sand blasting and applying the first coat of paint to Davo #2 former clarifier tank area.
- b. On July 7, 2010, a crew of three (3) men were on site continuing with painting Davco #1 tank hand rails and begin sand blasting and applying the first coat of paint to Davo #2 former clarifier tank area.
- c. On July 8 and 9, 2010, a crew of five (5) men were on site applying block filler coating to the interior walls of the sludge dewatering building. The interior of Davco #1 former clarifier tank was sand blasted coated with the first of three applications of paint. The former sludge holding tank area was sand blasted and coated with the first application of paint.
- d. On July 12, 2010, a crew of five (5) men was on site applying block filler to the interior walls of the centrifuge and dumpster rooms.
- e. On July 14, 2010, a crew of three (3) men was on site applying block filler to the interior of the sludge dewatering building.
- f. On July 19, 2010, a crew of three (3) men began applying the finish coat of paint to the interior of the sludge dewatering building.
- g. On July 20, 2010, a crew of three (3) men completed the application of the finish coat of paint on the interior of the dumpster room and approximately half of the centrifuge room. Sand blasting and painting the interior of Davco #2 continued.
- h. On July 21, 2010, a crew of five (5) completed the finish coat of paint on the interior of the dumpster and centrifuge rooms. Approximately one third of the interior of Davco #2 was observed to be sand blasted and applied with the initial coat of paint.
- i. On July 22, 2010, a crew of three (3) men was on site continuing to sand blast and paints the interior of Davco #2 and applies touch up paint to the hand rails and walkway on Davco #1.
- j. On July 23, 2010, a crew of four (4) men was on site continuing to sand blast and paints the interior of Davco #2. The interior of the sludge pump room walls and ceiling was completed. Application of paint on the exterior of the flocc tank was initiated.

- k. On July 26, 2010, a crew of three (3) men was on site cleaning spent ballast from Davco #1.
- l. On July 27, 2010, a crew of three (3) men was on site sand blasting and painting the hand rails and walkways on Davco #2. Application of the first coat of paint on the interior tank walls of Davco #2 walls was completed.
- m. On July 28, 2010, a crew of three (3) men was on site continuing to sand blast and paints the hand rails and walkways on Davco #2.
- n. On July 29, 2010, a crew of three (3) men was on site applying the final coat of paint to the interior of Davco #2. The hand rails and walkways were painted with the finish color.
- o. On July 30, 2010, application of the finish coat of paint on the former clarifier and sludge holding tank areas on the interior of Davco #2 was completed. Approximately half of the former aeration tank area was painted. The exterior of the floc tank painting was completed.

**23. Demolition**  
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.

- 25. Payment Requests**
- a. Worth & Company pencil payment review was conducted on July 28, 2010.
  - b. Wm. H. Clinger Corporation pencil payment review was conducted on August 4, 2010.

- 26. Release of Liens**
- a. Release of liens for equipment and subcontractors for Worth & Company are current.
  - b. The release of liens for equipment and subcontractors for Wm. H. Clinger Corporation are reported to be current.

**27. Meetings**

- a. On July 8, 2010, attended the biweekly construction progress meeting at the wastewater treatment facility.
- b. On July 12, 2010, prepared for and attended the East Goshen Township Municipal Authority. The meeting included an executive session for discussion of pending legal matters.
- c. On July 22, 2010, attended the biweekly construction progress meeting at the wastewater treatment facility.
- d. On July 26, 2010, attended a PADEP inspection performed by Dave Wolfinger (PADEP).

**28. Correspondence**

No formal letters were issued during the month

**29. Extras Identified During the month**

None

**30. 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.

**31. Issues for Reconciliation**

- a. Verify influent diurnal organic loadings, specifically between 5:00 AM and 12:00 PM to adjust operational strategy for improving the treatment process.
- b. Pennoni Associates, Inc. formal letter response to East Goshen Township Municipal Authority regarding Clinger's March 15, 2010 letter.
- c. 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.
- d. Worth & Company issued a letter dated February 15, 2010 requesting for a substantial completion date of September 30, 2010.
- e. Worth and Company change orders for the structural steel modifications to the new treatment and screening buildings.

**32. Concerns to Monitor**

- a. Grit and debris accumulation in the influent flow channel prior to the grinder and screening unit.
- 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. Performance of the SBR treatment process, specifically dissolved oxygen concentrations, aeration time, organic loadings and process control.
- d. Alkalinity feed system.
- e. Separation of the internal recycles flow volumes from the influent flow meter for accurate determination of the influent flows.
- f. Adjustment of the FRP decking parallel to the new treatment building remains to be completed.
- g. Expenses and or schedule delays related to resolving the conflict with the sludge conveyor and sludge platform as identified on June 29, 2010. Corrective actions required engineering review, approval and modification to the centrifuge support stand system. Additional changes were required as of July 27, 2010, which were later approved on July 28,, 2010.
- h. Auto dialer for the new SBR treatment building has malfunctioned on several occasions. As of August 4, 2010, the unit was removed for repair.

**33. Equipment Start-up**

August 17, 2010 is scheduled for the centrifuge and sludge conveyor start up and training.