

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
September 12, 2011

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday September 12, 2011 at 7:00 p.m. at the East Goshen Township building. Members in attendance were: Chairman Joseph McCawley, Jack Yahraes, Fran Beck, and Kevin Cummings. Also in attendance were: Rick Smith, (Township Manager); Mark Miller,(Director of Public Works); Dan Barbato from Pennoni; Scott Towler from Brickhouse Environmental; William Ronyack (Miller Environmental);Bob Adams,(Authority Solicitor); and Walter Wujcik (Conservancy Board).

COMMON ACRONYMS:

MA- Municipal Authority

HC – Historical Commission

PC – Planning Commission

CB – Conservancy Board

PR – Park & Recreation Board

BOS – Board of Supervisors

SSO – Sanitary System Overflow

I&I – Inflow & Infiltration

RCSTP – Ridley Creek Sewer Treatment Plant

LCSTP – Lockwood Chase Sewer Treatment Plant

DEP – Department of Environmental Protection

EPA – Environmental protection Agency

NPDES – National Pollutant Discharge Elimination System

WAS – Waste Activated Sludge

1. CALL TO ORDER AND PLEDGE OF ALLEGIANCE

Chairman Joe McCawley 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. Joe asked if anyone would be taping the meeting. There was no response.

2. RIDLEY CREEK REPORTS

A. Brickhouse Report

Construction Close-Out

During the period of August through September 12, 2011 the RCSTP Upgrade and Expansion Project attained final close-out.

On August 8, 2011, a mediation hearing was conducted between Clinger Corporation and the Municipal Authority to resolve the outstanding claim of additional expenses for which Clinger Corporation claims compensation. There was no resolution to the matter on August 8th. However, continued discussions between the Municipal Authority and Clinger Corporation resulted in a settlement agreement executed and dated by both parties on August 22, 2011.

Clinger Corporation was confirmed as providing all documents as required for the final project close-out. The contract was closed and release of remaining contract retainage was issued on August 18, 2011.

Worth & Company continues to resolve identified equipment malfunctions considered as warranty items. During the month, the following issues were resolved:

- Exhaust fan for centrifuge sludge dewatering building
- Flocc tank mixer
- Centrifuge sludge dewatering polymer system controller “B” requires additional outputs.

- Alum feed pump MP-32 was confirmed to alternating from operating in automatic mode through the Siemens SBR control panel on several occasions. Correspondence of the malfunction has been reported to ICI and Watson Marlow with no resolution to date.

The Authority has proposed to address using the remaining minor punch list items listed below in exchange for Worth & Company to furnish and install a new influent flow magnetic meter that is watertight. The minor punch list items include:

- Top soil, final grading and seed are required around the sludge holding tanks.
- Touch up paint is required on sludge holding tank hand rails.
- Touch up paint on aeration tank piping on the sludge holding tanks.
- Screen building seam at cast-in-place concrete and block water requires water proofing on exterior of the building.
- Removal of the silt fence.

Per Jeff Bush cost of the flow meter is \$6,000 plus \$1,500 to install.

SBR Operations Status

At an onsite meeting on August 31, 2011 with Miller Environmental, Inc. (MEI), facility operation and maintenance provider, to review operation and maintenance of the treatment plant, the Authority provided MEI with log sheets and schedules for use in recording pertinent information related to equipment operation and monitoring the treatment process. In addition, MEI was requested to provide the Authority a sampling plan detailing how MEI will monitor the treatment process for total phosphorus removal to ensure compliance with the NPDES permit. This sampling and monitoring plan shall provide the Authority plan for which MEI will implement to optimize biological process and chemical usage for managing cost effective and efficient operation of the overall treatment process.

The wastewater treatment remains in compliance with the NPDES permit. The plant operator has included the use of magnesium hydroxide, as slurry, for use in maintaining the pH and alkalinity within the SBRs. Aluminum sulfate is presently added at a rate of 25% pump speed for a period of 10 minutes during the mix fill phase. The present consumption for 3 SBRs is approximately 11.8 gallons per cycle for 47.2 gallons per SBR (141.6 gallons per day). The SBR treatment process is functioning as the original design intended. The treatment cycle has been returned to a 6 hour with the appropriate influent loading rates. Mixed liquor suspended solids settleability within the SBRs has improved contributing to the overall effluent quality and excellent clarity.

During August 27th and 28th, RCSTP experienced considerable rainfall and influent wastewater flows resulting from hurricane Irene. A total of 6.92 inches of rainfall was recorded at the facility with the effluent flow display a maximum flow rate of 2,500 gpm (3.60 MGD) flowing through the effluent collection box for several hours. A summary of events is included as a separate attachment.

The 14-day SBR performance test and demonstration, summarized as a sampling event, has been postponed indefinitely.

The current NPDES permit expires on September 30, 2011. Dave Wolfinger, PA DEP, explained that the currently NPDES discharge permit has been administratively extended

through October. Calls to PADEP to allow the plant operator to demonstrate a minimum of two consecutive months of compliance with the phosphorus discharge limits is being pursued. Coordination of an inspection of the facility by PADEP prior to implementation of new discharge limits is recommended.

The RCSTP Upgrade and Expansion Project construction activities and contracts are complete. Final project close-out for Clinger Corporation and Worth & Company has been provided by the Municipal Authority. The August/September 2011 Project Manager's Report marks the conclusion of the project and Project Management agreement with Brickhouse Environmental, Inc. Jack thanked Scott for the good job he has done on this project.

B. Pennoni – Dan Barbato, reported the following:

RCSTP Upgrade and Expansion

- Construction phase services are complete.
- A breakdown of effort expended over the past month by Pennoni is provided with the invoice detail under separate cover.
- Worth and Company and Clinger Corporation have completed their punch list with the exception of a few warranty items.
- Pennoni participated in the mediation process for the Clinger Corporation claims.

I/ I Metering Project

- The Township continues to meter flows at selected locations. Meters are in operation at locations as recommended. Significant progress is being made to reduce infiltration and inflow.

Ridley Creek Consent Order

- The next report is due by the end of this month. We have started compiling meter data for the report.

LCSTP Elimination.

- Samples of the sludge in both ponds show that the material is non-hazardous.
- Design plans were submitted to the Chester County Conservation District on September 6th. CCCD will forward the application to DEP following their review and approval.
- Required backfill quantities for both ponds were estimated. Lime Quantities for soil stabilization were estimated.

Hershey Mill PS Diversion, Reserve PS Elimination Planning

- Both pump stations will be decommissioned and sewage diverted into the East Goshen Ridley Creek gravity sewer system.
- Field recon was started to verify manhole locations and existing infrastructure.
- The surveying task list was generated and boundary research is in progress.

Marydell PS Elimination Planning

- The report for the Act 537 Plan Revision was submitted to the DEP in April. No comments have been received from DEP at the time of this report.

- The required 60-day public notice for the project was posted on June 24. This public notice period has expired. No public comments were received.
- Resolutions for adoption were provided to the Township Manager.
- West Goshen is expected to adopt resolutions on September 14th.
- Once the resolutions are received, we will send the final documents and report to DEP for review. DEP has 120 days for review.

Applebrook Spray Irrigation NPDES Permit Renewal

- The NPDES discharge permit was submitted to DEP on June 15. DEP sent a letter confirming that the application is administratively complete and is undergoing technical review.

Chapter 94 Reports

- DEP provided several comments on the Ridley creek Chapter 94 Report. Pennoni responded to the comments and we are awaiting confirmation from DEP that the response satisfies their inquiry.

C. Miller Environmental Report

Bill Ronyack reported the following for August 2011:

Routine Operation & Maintenance Activities

- Daily sampling, testing, and inspections for permit compliance
- Routine daily testing for process optimization
- Microscopic exams are good/filaments diminishing

Non-Routine Operations & Maintenance Activities

- Alarm responses dropping
- Flow signals being modified
- SBR Basins being inspected
- High flows led to basin splashing

Summary of Influent Flow – Ridley Creek

- AVERAGE: 0.363 mgd
- MAXIMUM: 0.708 mgd

Summary of Lockwood Chase Flow

- Average 0.0252 mgd

Permit Compliance

- Ridley had no eDMR exceedences
- Lockwood had no edmr exceedences

Bill introduced Rick who will be taking over for a while.

D. Cost Summary Report

Reviewed. It is not showing the anticipated \$13,000 in credits. Kevin would like a report showing the cost savings resulting from the closing of the 2 facilities.

E. Change Orders

None

3. RCSTP INVOICES

A. Brickhouse Environmental, \$12, 765.00. Kevin moved to approve this payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.

4. CHAIRMAN'S REPORT

A. Joe had a discussion with Clinger, who accepted \$212,500 along with a general release. Worth and Pennoni both agreed to give \$6,500 each toward the Clinger payment. Joe wants to send a letter of commendation to Worth. Jack and Rick would also like letters sent to Brickhouse Environmental and Pennoni.

5. APPROVAL OF MINUTES

- A. Jack moved to approve the minutes of the August 8, 2011 regular meeting as corrected. Kevin seconded the motion. The motion passed unanimously.
- B. Fran moved to approve the minutes of the August 18, 2011 special meeting. Jack seconded the motion. There was no further discussion. The motion passed unanimously.

6. APPROVAL OF INVOICES

- A. Pennoni #480795, \$467.50. Jack moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.
- B. Pennoni #480796, \$10,195.91. Kevin moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- C. Pennoni #480797, \$2,624.50. Fran moved to approve payment. Kevin seconded the motion. There was no further discussion. The motion passed unanimously.
- D. Gawthrop, for mediation, \$5,110.00. Kevin approved payment pending Rick Smith's review. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- E. Gawthrop, regular hours, \$1,190.70. Fran moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.

7. LIAISON REPORTS

A. Conservancy Board – Walter reported that they are working on a long term plan to control invasives in Applebrook Park. The overflow from hurricane Irene did cause some damage in Applebrook. The Board is working with a professor from West Chester University on fertilization of the trees and plants in Applebrook Park.

8. FINANCIAL REPORTS

Financial reports were reviewed.

9. OLD BUSINESS

None

10. GOALS

No discussion.

11. NEW BUSINESS

A. Jack moved to approve the proposal to address using the remaining minor punch list items listed below in exchange for Worth & Company to furnish and install a new influent flow magnetic meter that is watertight. The minor punch list items include:

- Top soil, final grading and seed are required around the sludge holding tanks.
- Touch up paint is required on sludge holding tank hand rails.
- Touch up paint on aeration tank piping on the sludge holding tanks.
- Screen building seam at cast-in-place concrete and block water requires water proofing on exterior of the building.
- Removal of the silt fence.

Fran seconded the motion. There was no further discussion. The motion passed unanimously.

B. Kevin moved to release \$25,000 to Worth as final payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.

C. Dan will bring a proposal next month for Pennoni's annual services.

D. Mark would like to continue to use Scott Towler for operational questions. Rick explained that this would be an operating expense. Scott will provide a proposal with an hourly rate.

12. CAPACITY REQUESTS

None

13. SEWER REPORTS

Following is Mark Miller's report:

A. Meters – The meters are being read on a daily basis. The portable flow meters were read on a bi-weekly basis.

B. C.C. Collection – The Pumping stations were visited on a daily basis. All pumps were pulled and sent to Deckmens for repair as part of our routine maintenance. We had to replace the piping in the Hunt Country wet well; we also found a bad check valve which we had to replace. During hurricane Irene the Hershey Mill Pump Station was inundated when the water came over the dam and flooded the station. We had some high level alarms; however, none of the wet wells carried over. The DEP was notified via a carryover report.

C. Lockwood Plant – No problems to report.

D. R.C. Collection – No problems to report.

E. Ridley Plant – Wow, what a month! During hurricane Irene, 1.3 million went through the plant. During the storm, we had a couple bumps in the road: however, the effluent was in compliance. We had two carryovers on SBR 3 and 4. The DEP was notified via phone and a carryover report was filed. Scott Towler was on hand during the storm. He was able to make some process changes to keep the plant in operation.

F. Alarms – The alarm calls were off the charts for the month of August.

G. PA One Calls – The Public Works Dept. responded to 120 PA One Calls.

14. ANY OTHER MATTER

None

15. CORRESPONDENCE

None

16. PUBLIC COMMENT

A. Rick also commended Scott for all he did on this project.

B. Bob was pleased that we have a great plant because of Scott and Matt's involvement.

17. ADJOURNMENT

There being no further business, Jack moved to adjourn the meeting. Fran seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:00 p.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary