

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
August 8, 2011

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday August 8, 2011 at 7:00 p.m. at the East Goshen Township building. Members in attendance were: Chairman Joseph McCawley, Jack Yahraes, Fran Beck, Dana Pizarro and Kevin Cummings. Also in attendance were: Rick Smith, Township Manager; Dan Barbato from Pennoni; Scott Towler from Brickhouse Environmental; 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

The RCSTP project moved closer to final closeout during July. Efforts focused on working with both contractors towards providing the remaining documentation and training required as part of project closeout as well as resolving equipment warranty issues.

On July 19, 2011, Clinger Corporation and their vendor, General Electric (GE), provided training for the operation and maintenance of the variable speed drives (vfds). There are a total eleven GE vfds employed throughout the treatment facility. These drives control the operation of key equipment including the influent pumps, disc filter feed pumps, and Siemens SBR blowers. In addition, GE provided programming and training for the power quality meter (PQM) located on the main electric service for the facility. The PQM continuously monitors and records incoming electric data such as line voltage, amperage and hertz.

Clinger Corporation submitted a request for final payment dated July 19, 2011 on the transmittal letter. On August 2, 2011, a final review of punch-list items for Clinger revealed a few outstanding items identified as:

- As built record drawing for the 35KW electric connection
- Missing label
- Missing Arc Flash set back distance indicators installed on the floor
- Acceptance of spare conduit caps by Owner.

Coordination with Clinger Corporation to resolve these issues immediately is in progress. Approval of final close-out is recommended contingent upon successful completion of the items identified.

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

- Distribution conveyor motor problem corrected. Re-installed a disconnected lead wire on the load side of the motor starter.
- Centrifuge sludge dewatering system polymer system malfunction. Replaced the "B" controller for the polymer system.
- Alum feed pump MP-32. Reprogrammed the pump. The pump operates in automatic mode through the Siemens SBR control panel.

The remaining issues remain outstanding. With the exception of the influent flow meter and SBR number 2 motive pump, the remaining items are planned to be completed during September when conditions are suitable for establishing ground cover.

- Influent flow meter
- Repair of SBR number 2 motive pump
- 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 building
- Removal of the silt fence

On July 19, 2011, Chris Candy from Flygt (ITT Corporation) issued a revised price in the sum of \$2,509.00 for the repair to SBR number 2 motive pump. Flygt does not consider the impeller failure a warranty item; however, the local office was able to reduce the price. The repair cost will be paid by Worth & Company.

On July 25, 2011, a meeting was held to discuss the pending mediation meeting with Clinger Corporation. The mediation meeting is scheduled for August 8, 2011 at 10:00am located at the East Goshen Township building.

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. Sodium hypochlorite was briefly applied to the scum on the SBRs for a few days. Aluminum sulfate is presently added at a rate of 25% pump which is equivalent to around 1.25 gallons. Daily usage is estimated at 75 gallons per day.

During July, the addition of aluminum sulfate to the SBRs during the pre-settle phase was intermittent. The aluminum sulfate system was returned to continuous operation during mid-July to assist with settleability and establish a baseline of effluent phosphorus concentrations for comparison against the new phosphorus discharge limit. The treatment facility remains in compliance with the NPDES permit dated September 1, 2006.

The SBR treatment process is functioning on a 6 hour and 20 minute treatment cycle as opposed to the design of 6 hours. The settleability has improved allowing for a decrease in settle time from 100 minutes to 80 minutes. Restoring the design time for 60 minutes of settle is progressing. The influent fill time was decreased from 140 minutes to 120 minutes and the fill rate was restored to the design rate of 520 gpm. On site process control monitoring has been useful towards adjusting the treatment process and restoring the original design set points.

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. Telephone 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 project remains substantially complete with final closeout pending.

Kevin asked for target levels to be added to the report. Rick asked Scott to supply DMRs each month, which come from Miller Environmental.

B. Pennoni – Dan Barbato, reported the following:

RCSTP Upgrade and Expansion

- Construction phase services continue with punch list monitoring, review of operations and maintenance submittals and as-built plans, troubleshooting, and coordination with the Project Manager and the Township.
- A breakdown of effort expended over the past month by Pennoni is provided with the invoice detail under separate cover.
- Worth and Company and Clinger Corporation have completed their punch list with the exception of a few minor items. Paper and CAD as-builts, and electronic copies of O&M manuals were received from Worth. Clinger submitted O&Ms or as-builts in early July. Pennoni reviewed the Clinger documents and found them to be responsive to the contract requirements.
- A final punchlist review and verification is in progress.

I / I Metering Project

- The Township continues to meter flows at selected locations. A new program for monitoring meter data is starting up. Meters are in operation in locations as recommended and two meters will be moved to new locations. Significant progress is being made to reduce infiltration and inflow.

Ridley Creek Consent Order

- The next report is due in September. No comments were received from DEP on the March report.

LCSTP Elimination,

- DEP believes that sludge can be left in the ponds if properly handled and deemed non-hazardous. DEP will obtain confirmation from their Waste Management Division to confirm this determination. Pennoni is developing a closure plan for DEP review and comment. Elverson Borough abandoned a relatively similar lagoon in the past and was allowed to leave sludge in place. Samples of the sludge in both ponds will be collected and analyzed for TCLP parameters (hazardous characteristics).

- The proposed sewer route was staked and the Authority met with the affected property owners. Minor adjustments were made to the alignment. Easement documents are in progress.
- Utility research is complete and known utilities are being added to the design plans.

Hershey Mill PS Diversion, Reserve PS Elimination Planning

- DEP approved the pump station diversions on June 6. The Reserve pump station conveys sewage to Hershey Mill, which pumps to West Goshen. Both pump stations will be decommissioned and sewage diverted into the East Goshen Ridley Creek gravity sewer system.
- Base plan development 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.

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 June 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
- Quarterly well sampling scheduled for August
- Flow signals being modified
- Alum feed MP32 being adjusted
- Centrifuge/polymer system being adjusted

Summary of Influent Flow – Ridley Creek

- AVERAGE: .2716 mgd
- MAXIMUM: .7970 mgd

Summary of Lockwood Chase Flow

- Average .00963 mgd
- Maximum .07040 mgd

Permit Compliance

- Ridley had no eDMR exceedences
- Lockwood had slightly elevated CBOD and solids.

D. Cost Summary Report

Reviewed

E. Change Orders

None

3. RCSTP INVOICES

- A. William H Clinger, Corp. App #18 - \$56,535.60 – Jack made a motion to pay pending township staff receipt of open items and obligations on the contract. Dana seconded the motion. There was no further discussion. The motion passed unanimously.
- B. William H Clinger Corp WO #2770 - \$2,890.00. No payment approval at this time.
- C. William H Clinger Corp WO #2775 - \$631.43. No payment approval at this time.
- D. Rumsey – Clinger - \$2,100.00. No payment approval at this time.
- E. Pennoni, WO #478472 - \$3,070.49. Fran moved to approve payment. Kevin seconded the motion. There was no further discussion. The motion passed unanimously.
- F. Brickhouse, Inv. #6059, \$6,785.00. Fran moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- G. Gawthrop Greenwood, Inv #92289, \$2,070.05. Jack moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.

4. CHAIRMAN'S REPORT

None.

5. APPROVAL OF MINUTES

- A. Jack moved to approve the minutes of the July 11, 2011 meeting as corrected. Dana seconded the motion. The motion passed unanimously.

6. APPROVAL OF INVOICES

- A. Pennoni #478476, \$7,606.25. Kevin moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.
- B. Pennoni #478475, \$282.50. Dana moved to approve payment. Kevin seconded the motion. There was no further discussion. The motion passed unanimously.
- C. Pennoni #478474, \$965.00. Kevin moved to approve payment. Dana seconded the motion. There was no further discussion. The motion passed unanimously.
- D. Gawthrop Greenwood, Inv #92288, \$399.00. Kevin moved to approve payment. Dana 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. They are working with Mark Gordon on the YMCA/Bank parking lot. In the Fall, the 3 trees that were removed will be replaced. Jack mentioned that, at Paoli Pike and Line Road, trees are dying. Walter said they had a professor from West Chester University inspect that area and there is a species that won't do well there, so they will consider another type of tree or move those trees to another location.

EXECUTIVE SESSION – At 7:40 pm the Authority went into Executive Session to discuss a legal matter. At 8:10 pm they returned to the regular meeting.

8. FINANCIAL REPORTS

Financial reports were reviewed.

9. OLD BUSINESS

None

10. GOALS

A. Newsletter – Dana will prepare an article for the next newsletter.

11. NEW BUSINESS

A. Jack made a motion to authorize the execution of the Sewer Connection Agreement with George and Beverly Binn, 1404 Pine Rock Road. Fran seconded the motion. There was no further discussion. The motion passed unanimously. Jack will sign the agreement.

12. CAPACITY REQUESTS

None

13. SEWER REPORTS

Following is Mark Miller's report:

A. Meters – The meters were calibrated in July. The portable flow meters were read on a bi-weekly basis with no problems to report.

B. C.C. Collection – The Pumping stations were visited on a daily basis with no problems to report. When there were problems last month at the Marydell station, they found that the collection line on Wilson Drive has deteriorated. They will be televising the lines next.

C. Lockwood Plant – Minor repairs were done to the grinder. They did some work with the engineer to gather sludge for testing.

D. R.C. Collection – The pumping station was checked on a daily basis with no problems to report.

E. Ridley Plant – The public works department assisted the plant operator with spraying the foam on the tanks. Two weeks ago Scott Towler and Mark met with the plant operator to discuss the operation of the SBR. Scott reviewed the data and recommended that the operator consider changing aeration time on each SBR. They

agreed that there would not be any changes to the operation unless all three agreed. The changes have made a significant difference in the effluent.

F. Alarms – They responded to 25 alarms during the month of July.

G. PA One Calls – The Public Works Dept. responded to 130 PA One Calls.

14. ANY OTHER MATTER

None

15. CORRESPONDENCE

None

16. PUBLIC COMMENT

None

17. ADJOURNMENT

The Authority went into Executive Session. At 8:30 pm they adjourned from Executive Session and Jack moved to adjourn the regular meeting. Dana seconded the motion. The meeting was adjourned at 8:30 p.m.

Respectfully submitted,

Ruth Kiefer, Recording Secretary