

EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
July 11, 2011

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday July 11, 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; William Ronyack (Miller Environmental); and Carmen Battavio, Township Supervisor.

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

Efforts during June were largely focused on resolving warranty related issues and continued progress by both contractors to provide the necessary documentation required for project closeout.

On June 14, 2011, Chris Candy from Flygt (ITT Corporation) was on site to investigate the installation/mounting base for SBR No. 2 motive pump. The pump was shipped to Flygt's repair center in Malvern, PA. The cost of the repair is \$4,502.90. This repair is being pursued as a warranty item through Flygt Corporation.

Representatives from Clinger Corporation were on site during the month to address outstanding punch list and warranty items. Documentation for project close out was provided to Pennoni Associates, Inc. on July 5, 2011 for a review of completeness. Termination of the influent flow meter signal wire to the influent composite sampler remains outstanding. As requested, on July 8, 2011, Pennoni Associates provided Clinger Corporation with information contained within the contract specifications for the termination of this wire within the Siemens SBR control panel. Lastly, training for the general electric variable speed drives (vfds) has been scheduled for July 19, 2011 at 8:00 am.

Representatives from Dutchland were on site during the weeks of June 27th and July 5th to remove and replace the defective CIM liner and repair the corbels adjacent to the walkway. In addition, repairs to the lifting pins within the walkway were completed. On July 1st, the telescopic valve for sludge holding tank No. 1 was repaired. The final effluent flow signal wire to the final effluent was terminated. A representative from Hach will be on site during

the week of July 18th to program the sampler to function in flow proportioned mode. Remaining warranty issues for Worth & Company include:

- Distribution conveyor motor
- Influent flow meter
- 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

The wastewater treatment operation and maintenance service provider discontinued the addition of sodium hypochlorite to the SBRs. Addition of sodium hydroxide solution was initiated during June to assist with improving settleability as well as providing supplemental alkalinity for the nitrification process. Beginning the week of July 5th, the addition of aluminum sulfate to the SBRs during the pre-settle phase was initiated to assist with improving settleability. The treatment facility remains in compliance with the NPDES permit.

The treatment system experienced a loss of nitrification resulting in elevated ammonia as nitrogen concentrations in the final effluent. Measures to restore nitrification were implemented and nitrification was restored during the week of May 31st. Measures to improve the settleability of the SBR activated sludge have been implemented to reduce solids loss through the effluent.

The Pennsylvania Department of Environmental Protection Water Quality Specialist/Inspector continues to routinely visit the facility and maintain communication with wastewater treatment operation and maintenance service provider. The SBR treatment process is functioning on a 7 hour treatment cycle as opposed to the design of 6 hours. As a result of poor settleability, a settle time of 100 minutes as compares to the design time of 60 minutes has been implemented to prevent excessive solids loss through the effluent. In addition, the influent fill time has been increased from 120 minutes to 140 minutes to offset the extended settle time. The influent fill rate has been decreased from 520 gpm to 440 gpm to assist in reducing organic loading to the SBRs as a result of the extended influent fill time. In consideration of the poor settleability, planned 14-day SBR performance test and demonstration of a minimum of two consecutive months of compliance with the new NPDES permit, the new wastewater treatment permit discharge limitations are anticipated to be delayed until November 2011.

The project remains substantially complete with final closeout pending.

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 has not submitted O&Ms or as builts. The Project Manager sent a second letter of notice to Clinger on June 22 regarding lack of progress toward closeout documents. Pennoni provided clarification to Clinger's comments on the letter and provided confirmation that Clinger has received paper copies of plans for markup.
- Matt McAloon of Pennoni was present to observe the liner repairs to the interior of SBR#2 on June 29.

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, Hershey Mill PS Diversion, Reserve PS Elimination Planning

- 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.
- Public Works probed the aeration pond and provided sludge depth measurements.
- The proposed sewer route was staked and the Authority met with the affected property owners. Minor adjustments were made to the alignment.
- Existing conditions plans are complete and grading design is in progress.

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. A proposal for engineering services is provided under separate cover.

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 60-day review period for agency reviews (CCHD, Planning Commissions, Sewer Authorities) expired on June 18. After this date, the plan can proceed without these reviews.
- 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. We will work with the Authority to respond to the comments and questions.

Dan mentioned that since this report was prepared, Pennoni has received documents from Worth & Co.

Dana asked about what is being done with process control. Rick explained that he asked Scott to write standard operating procedures.

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
- UV Ballast replaced and working
- G.E. scheduled training July 19

Non-Routine Operations & Maintenance Activities

- Alarm responses dropping
- Quarterly well reporting
- Nitrification reestablished
- SBR#2 off-line
- Flow signals being modified for sampling permit compliance
- Alum feed MP32 being adjusted
- Centrifuge conveyor motor needs repair
- Lockwood spray system tripping-out at night
- Magnesium Hydroxide being evaluated

Summary of Influent Flow – Ridley Creek

- AVERAGE: 198,000 gallons
- MAXIMUM: 242,000 gallons

Summary of Lockwood Chase Flow

- Average 8,500 gallons per day

Permit Compliance

- Ridley had a value of 15 mg/L for ammonia and the monthly limit is 4. The plant has since reestablished nitrification, as noted in last month's report.
- Lockwood had a value of 37 mg/L CBOD and the monthly limit is 25. Disinfection has been adjusted.

Bill explained that the permit for Ridley Creek comes in 2 phases, intermediate and final. It is posted at the plant.

D. Cost Summary Report

None

E. Change Orders

None

3. RCSTP INVOICES

- A. Brickhouse Environmental, #6004, \$5,520.00. Kevin moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- B. Ryerson #93064709, \$2,839.39. Fran moved to approve payment. Dana seconded the motion. There was no further discussion. The motion passed unanimously.
- C. Grainger #9559020087, \$1,968.46. Dana moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- D. Gawthrop #90002, \$455.00. Rick explained that invoices #89644 & 89645 should not be paid. Dana moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.
- E. Aqua Wasterwater #123232, \$6,169.22. Fran moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- F. Pennoni, #475436, \$847.50. Fran moved to approve payment. Kevin seconded the motion. There was no further discussion. The motion passed unanimously.
- G. Pennoni #475438, \$660.00. Dana moved to approve payment. Fran seconded the motion. There was no further discussion. The motion passed unanimously.
- H. Pennoni #475439, \$1,480.00. Jack moved to approve payment. Dana seconded the motion. There was no further discussion. The motion passed unanimously.
- I. Pennoni, #475440, \$9,865.75. Fran moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.
- J. Rumsey #S3727010.001, \$2,100.00. Rick explained that this invoice is included in the William H Clinger WO 2770. No action is needed.
- K. William H Clinger, Corp. WO #2770 \$2,890.00 and WO #2775 \$631.43. Payment of these was tabled.

4. CHAIRMAN'S REPORT

None.

5. APPROVAL OF MINUTES

- A. Jack moved to approve the minutes of the June 13, 2011 meeting as corrected. Fran seconded the motion. The motion passed unanimously.

6. APPROVAL OF INVOICES

- A. Gawthrop #90001, \$1,083.00. Dana moved to approve payment. Jack seconded the motion. There was no further discussion. The motion passed unanimously.

7. LIAISON REPORTS

- A. Board of Supervisors – Carmen thanked everyone who participated either by donation or helping at the Community Day.
Before the BOS meeting tomorrow at 7:00 pm, they are going to set up a ladder fire truck behind the Township Building, then put some balloons on it to simulate what 150 feet would look like. The estimate for annual revenue from the proposed cell tower is \$55,000.00 per year for the first ten years.

8. FINANCIAL REPORTS

Financial reports were reviewed.

9. OLD BUSINESS

None

10. GOALS

A. Fall Newsletter – Jack will prepare an article.

11. NEW BUSINESS

A. A letter was received from Pennoni for projected fees of \$1,500.00 to reach July 31, 2011. Action on this was tabled. Rick feels closeout will probably be September. Joe asked Dan for an estimate through September 30, 2011 which should include the projection for the rest of July.

B. Pennoni’s Proposal for Professional Services – Hershey Mill and Reserve Pump Station Diversions Design and Permitting totaling \$60,200.00 was discussed. This is 20% less than the original proposal. Rick mentioned that 50% of the funds are in the Capital Budget, the other 50% could be borrowed. Jack moved to approve the Pennoni Proposal totaling \$60,200.00. Dana seconded the motion. There was no further discussion. The motion passed unanimously.

12. CAPACITY REQUESTS

None

13. SEWER REPORTS

A. Rick reported there was a problem at Marydell this past Saturday.

14. ANY OTHER MATTER

None

15. CORRESPONDENCE

None

16. PUBLIC COMMENT

None

17. ADJOURNMENT

At 8:15 pm, 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