

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY
MEETING MINUTES
April 9, 2012**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, April 9, 2012 at 7:00pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Joe McCawley, Jack Yahraes, and Fran Beck. Also in attendance were: Rick Smith (Township Manager), Mark Miller (Director of Public Works), Bob Adams, and Scott Towler.

Call to Order & Pledge of Allegiance

Dana called the meeting to order at 7:00pm and led those present in the Pledge of Allegiance. There was a moment of silence to remember the troops. Dana asked if anyone would be recording the meeting and there was no response.

Chairman's Report/Other Members' Reports

Jack attended the West Goshen Municipal Authority meeting and provided copies of the minutes.

Approval of Minutes

The Chairman noted that the minutes of the March 12, 2012 meeting were approved.

Approval of Invoices

Joe moved to approve payment of the following invoices:

- | | | |
|----|------------------|------------|
| a. | Pennoni #501139, | \$1,366.00 |
| b. | Pennoni #501140, | \$ 472.50 |
| c. | Pennoni #501141, | \$1,422.00 |
| d. | Pennoni #501142 | \$1,210.00 |
| e. | Pennoni #501143 | \$ 442.75 |
| f. | Pennoni #501144 | \$3,319.00 |
| g. | Gawthrop #97574 | \$1,083.00 |

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

Liaison Reports – None

Financial Reports – The financial reports were reviewed. Fran voiced his concern about the current format of the report and his hope that the new CFO will provide monthly reports every month. He received a questionnaire from the auditors and is hesitant to respond. Fran feels he does not have enough knowledge of the Authority's finances to answer. Rick explained how the accounting system works (cash vs accrual). Dana asked Rick to invite the new CFO to the next meeting.

Old Business - None

Goals

1. Newsletter – Jack will prepare the article for the summer newsletter.
2. Joe will attend the June 6th West Goshen meeting and Dana will attend the September meeting.

New Business

None

Capacity Requests

None.

Sewer Reports

- a. Mark Miller, Director of Public Works Report:

During the month of March, the Public Works Department (PWD) was busy with lateral repairs and working with Scott Towler performing maintenance at the plant. Scott has done an excellent job turning the plant around.

Mark met with Dan Ellis to discuss the final Chapter 94 report. They decided to continue with the metering of the sewer system. They are going to begin monitoring the Chester Creek system. During the meeting they discussed metering at the plant as they currently have a portable meter out in the wet lands. The reason for this meter is to get actual plant flow since the current meter is on the pump discharge side of the plant. Currently they are reading the backwash from the filters and centraite from the centrifuge.

Mark recommends purchasing a permanent meter. He asked Allied Control to take a look at the manhole where we would like to install the meter and submit a quote.

Aqua Wastewater had to be utilized to clean SBR#1 as there was over a foot of grit throughout the tank. Worth has been notified of some problems with the decanter in the SBR, plus they need to install some additional brackets on the pump glide system. Meters – Were read on a daily basis, no problems to report. In the next two weeks they will be relocating the portable meters.

C.C. Collection – PWD had to excavate two sewer laterals due to root penetration. Once the laterals were excavated, a new trap and cleanout were installed. The pumping stations were visited on a daily basis where routine maintenance was performed.

R.C. Collection – The Hunt Country pumping station was visited on a routine basis for basic maintenance. They are going to continue to use augmentation to break down the grease.

Alarms – 18 alarms were received for the month; several were due to a tree that came down on Morstein Road causing a power outage at the Barkway Pumping Station.

PA One Call – There were 35 PA One calls for the month of March.

The Public Works Department was notified of 7 sewer lateral blockages for the month of March, all were cleared with the exception of the two that had to be dug.

- b. **Pennoni** inspection report was reviewed. This report of the Ridley Creek Sewage Treatment Plant was done in order to document existing conditions under Miller Environmental's operation of the plant.
- c. Dan Barbato provided the following report:

Invoices - with summaries were provided under separate cover.

Ridley Creek Sewage Treatment Plant –

- Pennoni design engineer Tim Daily met with Scott Towler at the plant on March 23 to review current operations and clarify the intent of the design. Dan Barbato has been in contact with Scott Towler for coordination. The new NPDES permit went into effect on March 1. Phosphorous effluent limits are currently being met without the use of alum, and nitrogen effluents limits are being met. The centrifuge was under near-continuous operation and the solids inventory being reduced to acceptable levels and age. The interior of the SBR Unit #1 will be inspected by Matt McAloon on April 6, pending confirmation of available access by the operator. The plant is currently operating as intended by the design. Will inspect the plant again when the plant returns to a “normal” condition and make a comparison of current conditions to the conditions encountered under the previous operator.

I/I Metering Project

- We analyzed flow data from the 11 permanent meters throughout the Chester Creek Service Area for the entirety of 2011. Instantaneous and hourly flows are not recorded on these meters, so we were only able to analyze the daily meter totalizer records. Only a rough flow analysis was performed since inflow peaks and continuous base flows are unknown. It appears the following two areas may have I/I problems based upon apparent excessive daily flows per tributary land area: 1) the southwest corner of East Goshen Township which is generally bounded by East Strasburg Road to the north, the reservoir to the east, and township borders to the south and west; (2) an area bounded by Paoli Pike to the north, North Chester Road to the east, East Strasburg Road to the south, and Ellis Lane to the west. We recommend the Township install four temporary meters in strategic locations within these subareas over the next six months to identify potential I/I sources.

Dana will email Dan with his questions about the flows and the meters.

Ridley Creek Consent Order

- The final report was submitted to DEP on March 29, 2012. Reports after this date will continue to be prepared semi-annually but they will not be submitted to DEP semi-annually. They will be used for internal Authority use and Chapter 94 Annual Reporting only.

LCSTP Elimination

- A pre-construction meeting was held with the Township, Pennoni, the contractor, SJM Construction Co, Inc, and the Chester County Conservation District (CCCD) on March 28, 2012. The contractor tentatively intends to start construction in mid-April and anticipates 30-60 days to complete the work. The required contract completion date is July 2, 2012
- The contractor has provided construction submittals. We have reviewed the submittals, and we provided comments to the contractor. The contractor has also filled out the NPDES Co-Permittee Application and has forwarded it to the Township for signature and eventual submission to the CCCD.
- We prepared a Construction Issue set of plans and specifications to incorporate the various addenda into one set of plans and specifications. We also prepared a CAD

file and survey control data and coordinates, which we forwarded to the contractor for his use in construction stakeout.

Hershey Mill PS Diversion, Reserve PS Elimination Planning

- We have prepared draft plans and draft applications for DEP General Permits (GP) for stream crossings. We are coordinating with DEP regarding permit requirements for PNDI, bog turtle screenings, and wetland delineations since all utility stream crossings are proposed via trenchless technologies (directional drilling for the Hershey Mill PS Diversion and jack & bore for the Reserve PS Diversion). Once direction is received from DEP (and possibly the Army Corps of Engineers), we will finalize and submit the GP applications.

Marydell PS Elimination Planning

- We have prepared draft plans and a draft Penn DOT Highway Occupancy Permit (HOP) application. We are coordinating with PECO regarding mitigation of impacts to overhead utility poles given the proximity of the proposed sewer to the poles. The PECO coordination may impact the HOP application, such as modifications to the exact sewer location. Upon resolution of any such PECO issues, we will finalize and submit the HOP application.

Annual Chapter 94 Reports

- The Chapter 94 reports for the Westtown Service Area and Lockwood Chase STP were prepared and submitted to DEP on March 30, 2012. DEP received them on April 2, 2012. Following receipt of all required information from the Township and operator, the Chapter 94 Reports for the Ridley Creek STP and the West Goshen Service Area were prepared and delivered to DEP on April 4, 2012.
- A new influent metering and organic sampling location is needed at the Ridley Creek STP in order to satisfy DEP's new Chapter 94 requirements. We have discussed the best location with Public Works, and we will forward a recommendation letter to the Authority prior to the May 14, 2012 meeting.

c. Big Fish Environmental Services, Inc. Scott Towler gave the following report on plant operations for March 2012:

Operations and Solids Dewatering/Disposal – Sequencing batch reactors (SBRs) numbered 2, 3 and 4 were in service treating wastewater. SBR #1 was off line and serving as a sludge storage tank. During the month, process control testing continued to monitor the (MLSS) concentrations, pH, total alkalinity, chemical oxygen demand (COD), settleability, ammonia as nitrogen, nitrite as nitrogen, nitrate as nitrogen, sludge volume index (SVI), F:M ratio, depth of clear water as measured from the water. The influent and effluent composite samples were regularly monitored for pH, total alkalinity, ammonia as nitrogen, COD and total Phosphorus. Additional analysis of the effluent was consistently very good during the month. During the month, one key operational set point was established. This operational set point is to maintain the pH and total alkalinity concentrations in the SBRs at no less than 7.0 S.U. and 300 mg/L as CaCO₃. Maintaining these parameters within the minimum range contributed to improving the nitrification process, settleability and phosphorus removal. Effluent sample data for total phosphorus is reported as 0.28 mg/L without the addition of aluminum sulfate. The monthly average will be finalized upon receipt of the sample collected on March 29 and is anticipated to be close to the effluent limitation of 0.5 mg/L.

The effluent discharge will achieve compliance with the CBOD5, TSS, ammonia as nitrogen, fecal coliform, pH, dissolved oxygen for the month of March 2012. A draft summary is attached for review.

A summary of the influent and effluent sample data for the month of February 2012 is attached for review. The eDMR and supplemental reports for February 2012 have been prepared and submitted by representatives from MEI.

Solids Dewatering – During the period for February 22 through March 31, a total of 947,644 gallons of sludge were metered to have been processed through the centrifuge sludge dewatering unit. A total of 34 dumpsters of dewatered sludge at approximately 437 tons were land filled. Three hundred and eighty-two (382) man hours were expended towards dewatering the sludge in SBR1, sludge holding tanks 1 & 2.

Maintenance, Repairs & Warranty –

SBR1 requires one replacement decanter valve assembly – Worth & Co. informed
Centrifuge replacement parts – Worth & Co. to replace parts used for warranty repair
JWC fine screen has a failed UPS – Worth & Co. informed
JWC fine screen upstream transducer – replacement connection on order
SBR and Centrifuge MCC panel hours meters – Worth & Co. informed

Discussion: Scott reported that both sludge tanks are empty and will be cleaned to get ideal conditions. Dana asked Scott to add a line item in the spreadsheet for design basis vs permit basis. Scott reported that Worth has a list of warranty issues. Scott recommends getting a permanent influent inflow meter which would cost about \$5,000. Mark or Rick will get a proposal for the next meeting.

Any Other Matter - None

Correspondence and Reports of Interest

1. Letter to residents about a Zoning Hearing Board application
2. Consent Order & Agreement Semi-Annual Corrective Action Status Report #07

Public Comment – None

Adjournment

The May 14th meeting will start at 6:00 p.m. at the Ridley Creek Sewer Plant.

There being no further business, Joe moved to adjourn the meeting. Jack seconded the motion. The motion passed unanimously. The meeting was adjourned at 8:15pm.

Respectfully submitted,

Ruth Kiefer
Recording Secretary