

**EAST GOSHEN TOWNSHIP MUNICIPAL AUTHORITY  
MEETING MINUTES  
March 12, 2012**

The East Goshen Township Municipal Authority held their regularly scheduled meeting on Monday, March 12, 2012 at 7:00pm at the East Goshen Township building. Members in attendance were: Chairman Dana Pizarro, Joe McCawley, Jack Yahraes, Fran Beck, and Kevin Cummings. Also in attendance were: Rick Smith (Township Manager), Dan Barbato (Pennoni), Scott Towler, and Walter Wujcik (Conservancy Board).

**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. They had a survey done of Goose Creek where 50 is good, however, it had 30. Since there were questions about the way the survey was done, they will have another one done.

**Approval of Minutes**

The Chairman noted that the minutes of the February 20, 2012 meeting were approved as corrected.

**Approval of Invoices**

Joe moved to approve payment of the following invoices:

- a. Pennoni #497664, \$5,930.50
- b. Pennoni #497666, \$1,731.75
- c. Pennoni #497667, \$ 275.00

Fran seconded the motion. Jack mentioned that there was no Township Manager's signoff. In answer to Dana's question, Dan confirmed that there is one more, small invoice to come for Lockwood. Dana noted that this will finish under budget. There was no further discussion. The motion passed unanimously.

**Liaison Reports –**

**Conservancy Board** – Walter reported that the Board will concentrate on the reforested area at Paoli Pike and Line Road. They want to name it, change the orange fencing to black, and have wood chips put around the trees.

**Historical Commission** – Jack reported for Ellen Carmody. Living History Day will be Saturday, June 2. They are getting new signs for the historic area. They are working on social media. The Plank House is lighted. 5-6 members of the Commission went to National History Day as judges. The Plank House and Blacksmith Shop have a security system.

**Financial Reports –** There were no financial reports in the packets. Rick will make sure they are included next month.

### **Old Business**

1. Contract Execution – The contract for the Lockwood Chase Sanitary Sewer Diversion was awarded to SJM Construction. Rick reported that their insurance and bonds are good. Joe moved to execute the SJM contract for the Lockwood Chase Sanitary Sewer Diversion. Fran seconded the motion. There was no further discussion. The motion passed unanimously.

### **Goals**

1. Newsletter - Kevin prepared the article for the spring 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:
  - They are assisting Scott Towler on an as-needed basis. They worked with the representative from Alfa Laval on getting the Centrifuge back in service. A bearing went out on the unit which required pulling the center of the unit apart.
  - They are in the process of gathering data on the PECO service coming into the plant. Mark will have a report on the findings next month.
  - Sue Smith and Mark have been gathering data for the Chapter 94.
  - Since the last meeting there have been 12 alarms and 16 dig notifications.
- b. **Pennoni** – Dan gave the following report:
  - Invoices - with summaries were provided under separate cover.
  - Ridley Creek Sewage Treatment Plant –
    - They reviewed correspondence from DEP including the NPPDES permit and NOV response letter to DEP, and provided edits. Matt McAloon performed a thorough inspection of the plant over several days and provided a summary of the existing conditions. The report is provided under separate cover. Design Engineer Tim Daily is scheduled to meet Scott Towler at the plant to review current operations and clarify the intent of the design. Dan Barbato is in frequent contact with Scott Towler for coordination. The new NPDES permit went into effect on March 1<sup>st</sup>.

### **I/I Metering Project**

- No change since the last report. The Township continues to meter flows at selected locations. Temporary meters are in operation at locations as recommended. Upon receipt of tributary connection data from the Township, Pennoni will review permanent meter data (particularly in the Chester Creek Service Area), make recommendations for 2012 temporary metering, and identify potential I&I problem areas.

#### Ridley Creek Consent Order

- The final report is in progress and will be submitted to DEP before the end of the month. Reports after this date will continue to be prepared semi-annually but will be for internal Authority use only.

#### LCSTP Elimination

- Bids were received on February 15, 2012. SJM Construction Company, Inc. of Spring House, PA was awarded the contract with a total bid (conditionally including the Add Item) of \$178,179.20.
- SJM contract paperwork was received in our office on March 7<sup>th</sup>.
- The current schedule is:
  - Receipt of Contractor Bonding and Insurance (10days) = 3/7/12
  - Contract Execution = 3/12/12
  - Notice to Proceed = 3/13/12
  - Construction (120 days) = approx 3/13/12 – 7/10/12

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

- Based upon the comments and responses from the Township on our proposed construction methodologies and sewer re-alignments, we are in the process of assembling plan sets and permitting applications. A separate plan set will be prepared for each diversion. The current intent is to bid the Reserve PS and Marydell PS diversions in one solicitation since they are nearly identical construction scopes: open cut sewer construction with one jack & bore location each. The HMPS diversion will be a separate solicitation since it will be a different construction methodology, directional drilling.

#### Marydell PS Elimination Planning

- We have performed a PA One Call and have coordinated field markout and acquisition of utility plans with the various utility companies. We have also received subsurface drilling data for the adjacent groundwater monitoring wells, and rock appears to be much deeper than the proposed work, so all excavation is planned to be unclassified. Based upon the utility and subsurface information, we are finalizing plans and preparing permitting applications.

#### Applebrook Spray Irrigation NPDES Permit Renewal

- The NPDES discharge permit was issued by DEP on February 21<sup>st</sup>.

#### Annual Chapter 94 Reports

- The annual updates to the Chapter 94 report are in progress. Reports are due by the end of this month. Similar to last year, we will meet with the Township to review developments and changes over the past year.

**c. Big Fish Environmental Services, Inc.** Scott Towler gave the following report on plant operations from February 22 to March 8, 2012:

Sequencing batch reactors (SBRs) numbered 2, 3, and 4 were evaluated using chemical and physical test methods. Sample collection and testing for each SBR to determine the mixed liquor suspended solids (MLSS) concentrations, pH, total alkalinity, COD, settleability, ammonia as nitrogen, nitrite as nitrogen, sludge volume index (SVI), F:M ratio, depth of clear water as measured from the water surface during settle, idle and static fill phases.

Data gathered was used to implement adjustments to the treatment processes to reduce solids carryover from the SBRs into the post flow equalization tanks and outfall. These adjustments included reducing the velocity of the flow rate from the SBRs during the decant phase, adjusting low water levels (LWL), reducing sludge wasting rates, manual decants to remove “clean” water and dissolved oxygen set points. During the two week period, approximately 2 pallets of soda ash was added to the SBRs and aerated sludge holding tanks to increase the pH and total alkalinity concentrations within a pH range of greater than 7.1 standard units and total alkalinity of greater than 200 mg/L as Ca CO<sub>3</sub>.

Daily sample collection for the influent, final effluent pre-disc filter and final effluent outfall was conducted to monitor the outfall discharge for compliance with the NPDES permit. It is anticipated total suspended solids (TSS) and fecal chloroform concentrations may exceed the discharge permit limitations during the month of February. Present final effluent water quality indicates compliance with the new NPDES permit limitations that became effective March 1, 2012 should be achieved. The aluminum sulfate chemical feed system is off line and is planned to be placed in service on an as needed basis to enhance total phosphorus removal.

Solids processing was delayed as a result of excessive temperature for the rear bearing. The bearing was replaced on March 2<sup>nd</sup> and the centrifuge was placed in service during the afternoon and evening. Two (2) dumpsters of dewatered solids were removed from the facility on March 5<sup>th</sup>, a third dumpster removed on March 7<sup>th</sup> and two (2) dumpster scheduled for March 9<sup>th</sup>. Approximately 25,000 to 30,000 gallons of liquid sludge at 1.7% total solids fills one dumpster. The centrifuge is operating at a maximum sludge feed rate of 30 gpm operating on a machine load of 43%.

The corrective action plan was implemented with a few adjustments to reflect the current condition of the facility upon commencing operation. The foam concentration remains excessive on SBR number and efforts to reduce and remove the foam are ongoing. Foam concentrations o SBRs 3 and 4 are significant, however, sludge settleability has improved resulting in “clear water” decants. Continued operation monitoring and adjustments are planned during March to restore the SBRs to the original intended design performance.

Discussion: Kevin asked for a spreadsheet with a comparison to permit levels. They discussed the readings on the current report. Scott wants to add composite going into filters onto the report. Some filters may have to be replaced. Scott explained the cleaning process. Scott mentioned that they will have to do a sludge management report under the new permit.

d. Township Flows for 1<sup>st</sup> Quarter were under 1 million to West Goshen.

**Any Other Matter** - None

**Correspondence and Reports of Interest**

1. Rick provided the Authority members with a copy of the letter to the DEP as an FYI.

**Public Comment** – None

**Adjournment**

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

Respectfully submitted,

Ruth Kiefer  
Recording Secretary