

**WALLACE TOWNSHIP MUNICIPAL AUTHORITY**  
**APRIL 12, 2011**

The Wallace Township Municipal Authority meeting of Tuesday, April 12, 2011, was called to order at 7:00 PM in the Municipal Building by the Chairman.

Members present:     Barbara D'Angelo, Chairman  
                           Steve DePedro, Vice Chairman  
                           Roger Ireby  
                           Tom McClung

Also in attendance:  Steve Riley, Entech Engineering  
                           Matthew Boggs, Entech Engineering  
                           Joseph Speece, Site Specific Design, Inc.  
                           Anthony DiRusso, Site Specific Design, Inc.

**PUBLIC COMMENT**

None.

**MINUTES**

On a motion by Mr. DePedro, second by Mr. Ireby, the minutes of the March meeting were unanimously approved as written.

**CORRESPONDENCE**

1. Clean Water, Inc., dated 4/10/11, re: Operator's monthly report for Glen Moore.
2. Clean Water, Inc., dated 4/10/11, re: Operator's monthly report for Highspire.
3. J. Keath Fetter, Esq., dated 4/11/11, re: Solicitor's monthly report.
4. Entech Engineering, Inc., dated 4/08/11, re: Engineer's monthly report.
5. DEP to Wallace Township, dated 3/16/11, re: approval of Act 537 Plan Update for Indiantown Road Low-Pressure Sewers.
6. DEP, dated 4/05/11, re: Annual Groundwater Report for Glen Moore WWTP.

**TREASURER'S REPORT**

The following bills were presented for consideration:

- a. Verizon - **\$174.34** for phone @ operations bldgs. (Glen Moore & Highspire)
- b. Clean Water, Inc. - **\$2,285.00** for operator services @ Glen Moore & Highspire (March)
- c. Jan Bednarchik - **\$814.36** for secretarial services (March) & postage
- d. PECO - **\$2,186.32** for electric @ main pump station & Devereux (\$1,078.84) and Highspire WWTP and pump station (\$922.51)
- e. Analytical Laboratory - **\$230.40** for lab testing (Glen Moore & Highspire)
- f. Entech Engineering - **\$6,530.80** for engineering services (2/26 – 3/25/11)

- g. Swartz Campbell - **\$550.00** for legal services (March)
  - h. Ink's Disposal Service - **\$2,955.00** for cleaning main & Devereux pump stations; pump tanks on Creek Road for preventative maintenance program; pump tank @ 51 Marty Close Road for repair; pump equalization tank @ Highspire
  - i. PreDOC - **\$455.00** for troubleshooting pump station @ 1941 Creek Road
  - j. W.G. Malden - **\$241.25** for calibrating meter at Glen Moore WWTP
  - k. J. Lewis Excavating - **\$760.00** for repairing broken nipple @ 51 Marty Close
  - l. A.J. Blosenski - **\$97.37** for trash removal @ Highspire (3/16/11 to 6/30/11)
- TOTAL: \$17,279.84**

Mr. Irey moved to approve invoices "a" through "l" above for the month of April, as presented. Mr. DePedro seconded the motion, and it was unanimously approved.

### **OPERATOR'S REPORT**

#### Glen Moore WWTP

There were no violations of permit conditions in March.

In addition to multiple alarm locations from the heavy volume of water on March 10 and 11, there was one emergency visit at 40 McConnell Drive (stuck float). The heavy rains created a situation where the grinder pumps couldn't lower the level in the tanks due to the heavy volume. The Operator also observed storm water along Fairview Road diverting onto the yard at 531 Fairview and directly overtop of the grinder tank lid. This situation needs to be addressed by the Township and/or PennDOT.

J. Lewis Excavating repaired a broken nipple, installed a new ball check valve and shut off valve at 51 Marty Close Road. He noted that it was necessary to dig around a Verizon FIOS line that was installed over the force main, and that roots from a poplar tree had grown overtop of the force main. The property owner was advised to remove the tree for safety reasons because the root structure was weakened from digging.

Ink's Disposal completed the preventative maintenance program by cleaning all grinder pumps on Creek Road. Mike Ink also provided the Operator with a list of alarms that are not working. According to the Operator, Robert Ellis of 1851 Creek Road alleged that his driveway was damaged by Ink's truck and that he wanted to be paid for the cost of the repair. No formal complaint has been filed to date.

#### Highspire WWTP

The Operator received an emergency call on March 8<sup>th</sup> at approximately 9 PM for a high level at the equalization pumps, despite the level having been low earlier in the day. Both pumps were found to be operating correctly and there were no clogs. However, the basin was high, indicating that extraneous water was getting into the plant. The rate was set higher to lower the level,

and the next day the basin was still full. The Operator was able to isolate the location to a manhole at a cul-de-sac with three homes, but the exact source of the problem was not identified. Contact was made with Rouse/Chamberlin to see if any contractors on site were flushing water into the system. The water infiltration suddenly ceased and the plant returned to normal. Ink's Disposal was called to haul two loads to avoid any problems with the plant operation.

A. J. Blosenski began providing trash pickup as of 3/16/11.

### **SOLICITOR'S REPORT**

The following customers have not paid their user fees for the first quarter of 2011: Baum, Clements, Hammond, Lutz, Nancy McDonough, and James Trego. In addition, although Heritage-Highspire has paid its user fees for the first quarter, it is delinquent in payment of engineering and legal fees totaling \$16,088.84. Municipal claims will be filed in late April on those accounts which remain delinquent at that time.

As noted in the Engineer's Report, it would be advisable for the Authority to adopt a resolution at the present time indicating its intention to accept ownership of and maintenance responsibility for the Indiantown Road extension when the extension has been completed and is ready to become operational. The Solicitor prepared two separate resolutions for consideration, one of which would accept ownership of and responsibility for the force main extension and the grinder pumps and sewer laterals, while the other would accept ownership of and responsibility for the force main extension only. The latter resolution should be used if the Authority wants to begin implementing the transfer of ownership of grinder pumps in the Glen Moore system to the property owners. The Chairman recommended that the latter resolution be adopted for the Indiantown Road extension since the Authority intends to eventually transfer ownership and maintenance of the existing grinder pumps to the homeowners. Mr. Irey expressed his objection to making the homeowners responsible for the pressure lateral between the tank and the force main because, in his experience, the original materials and workmanship were substandard. After lengthy discussion, it was agreed the Authority's responsibility will begin at the discharge pipe nipple at the tank and include the pressure lateral to the force main, and the homeowner will be responsible for the gravity lateral from the house to the grinder pump/tank. Mrs. D'Angelo moved to approve an amended version of Resolution No. 11-1, a resolution accepting dedication of the force main extension for the Indiantown Road project and the pressure lateral out to the force main starting at the discharge pipe nipple at the tank. The Solicitor was authorized to amend the resolution accordingly, and the Engineer was authorized to prepare a diagram delineating the limits of responsibility as an exhibit to the resolution. Mr. McClung seconded the motion, and it was unanimously approved. Mr. DePedro added that inspections will be required to ensure compliance with the Authority's specifications.

### **ENGINEER'S REPORT**

Dankanich – DEP has granted planning approval for this project. They originally requested a construction permit because the project could ultimately serve six homes. Joe Boldaz was

successful in petitioning DEP to waive this requirement. However, a Resolution enacted by the Authority indicating their intention to accept the force main for this project would help further solidify this position with DEP.

Asset Management Plan – Final data entries were made to the spreadsheet and the resulting data was provided to Phil Tiewater. He has revised the formulas, reformatted the file, and resubmitted the spreadsheet for further review and editing. Preliminary results from this effort were achieved and will be further reviewed and refined.

2010 Chapter 94 Reports – Final edits were made to the Chapter 94 Reports for 2010 for both the Glen Moore and Highspire treatment plants and were submitted to DEP on 3/25/11.

Meter Calibration Issue at Glen Moore WWTP – W.G. Malden was called to recalibrate the meters as discussed at the last meeting. The recent calibration confirmed that the previous calibration was accurate. Malden advised they performed a more involved calibration at the end of 2009 which determined that the previous calibrations were not as accurate as they should have been. Going forward, Malden will perform the calibration using the more involved method which yields greater accuracy.

March Peak Flows/Rain Even of 3/10-3/11 – The heavy rain on March 10 and 11 resulted in a peak flow at the Glen Moore WWTP of approximately 100,000 gallons. Brian noted there are some locations where the rain runoff from the road impacts the grinder pump tanks, causing the pump to operate for extended periods of time pumping storm water. This is something the Authority should discuss further to see if the Township and/or PennDOT could address. The heavy volume was also attributed to the illegal connection of sump pumps.

Annual Groundwater Monitoring Report – DEP acknowledged receipt of the annual groundwater report for the Glen Moore WWTP. As requested, the next report will note that actual as-built construction details for each monitoring well are not available.

## **OLD BUSINESS**

Statement of Financial Interests forms are due May 1.

## **NEW BUSINESS**

Anthony DiRusso and Joseph Speece of Site Specific Design, Inc., attended the meeting to discuss the E/One grinder pump system and its possible application in the Indiantown Road project. Mr. DiRusso explained the E/One pump is a progressing cavity pump as opposed to a centrifugal pump such as the Little Giant. The E-One progressing cavity pump accommodates pressure variations to provide more predictable flows to avoid wear and burned out motors common to centrifugal pumps. The E-One pump also has non-fouling leveling controls instead of float switches that sit below the grease and fat level in the tank and require no preventive maintenance. Other key features of the E-One pump include a larger cutter wheel for reduced

inflow velocity and reduced jams and clogs, a built-in check valve and anti-siphon valve, and an air-filled motor requiring zero maintenance. By comparison, centrifugal pumps create an ever-changing system curve, use a smaller grinder, use high-speed, low-torque motors, and use float switches that require preventive maintenance. Mr. DiRusso claimed the E-One pumps have the lowest service call rate in the industry with an average of ten years between service calls. He also quoted an average annual maintenance cost of \$38 per pump in East Marlborough and \$41 per pump in Upper Providence. Mr. Speece stated the list price for a full grinder station is approximately \$3,800 and approximately \$2,200 for a new pump. The cost of a pump and retrofit kit with labor is approximately \$2,500. The pumps have a 27 month warranty, and extended warranties are available but, according to Mr. Speece, are rarely sold because the pumps are virtually maintenance free. Mrs. D'Angelo questioned whether it makes any difference if E-One pumps are used for the Indiantown Road project since the Authority will not own and maintain them. Mr. Riley replied that DEP requires the Authority to have spare pumps available for homeowners in the event of an emergency. He also suggested discussing the use of an alternate pump with the Operator since he would need to keep parts in stock for all models in use. Mr. Speece offered the Authority a free E-One pump to retrofit the worst case grinder station to prove its performance capabilities in return for an opportunity to do a comparison of maintenance costs and for consideration in providing pumps to the four homeowners on Indiantown Road as well as future retrofits. Mr. Speece added that Site Specific Design would service the pumps during the warranty period or would reimburse the Operator for his time and materials during the warranty period. This concluded their presentation and Mr. DiRusso and Mr. Speece departed the meeting at this time.

Mrs. D'Angelo spoke in favor of offering the homeowners a choice in selecting a grinder pump that suits their needs in terms of reliability and cost, but is also compatible with the Authority's requirements. Mr. Irely concurred with the idea of being able to offer the homeowners a list of preferred pumps and a list of preferred installers since they will ultimately have to pay that cost. If the Authority is contemplating allowing the use of the E-One pump for the four homes on Indiantown Road, Mr. Riley suggested asking Site Specific Design to provide the spare pump for stock in addition to the pump for the retrofit. Mr. Riley will contact the Operator first to get his comments and to determine which grinder station is in need of the next retrofit.

In a related matter, the four residents on Indiantown Road previously broached the subject of having some form of agreement through the Authority whereby the remaining two residents, if they should decide to connect to the public sewer at a later date, would be required to reimburse the original participants for their fair share of the construction costs. Mrs. D'Angelo moved to support such an agreement requiring any customers who may connect to the Indiantown Road force main extension at a later date to reimburse the original participants for their prorata share of the construction costs, and further moved to authorize the Solicitor to review said agreement on behalf of the Authority. Mr. McClung seconded the motion and it was unanimously approved.

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**ADJOURNMENT**

Mrs. D'Angelo moved to adjourn the meeting at 8:20 PM. Mr. DePedro seconded the motion, and it was unanimously approved.

Respectfully submitted,

Jan C. Bednarchik  
Secretary