

MIDDLEBURG MUNICIPAL AUTHORITY

December 13, 2016

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MEMBERS PRESENT: Charles Zechman-Chairman, Dwayne Hackenberg-Vice Chairman, Ray Colestock, Scott Reigle, Tim Folk, Scott Brouse

OTHERS PRESENT: Dustin Zechman-Borough Foreman, Robert Slivinski-Solicitor, Dave Walters-Engineer, Virginia Zeiber-Borough Administrator, Judy Varner, Brian Lauver

Meeting was called to order at 6:00 P.M.

Motion was made by Dwayne Hackenberg to approve the agenda. Ray Colestock seconded and MOTION UNANIMOUSLY CARRIED.

Motion was made by Ray Colestock to approve the November minutes. Scott Reigle seconded and MOTION UNANIMOUSLY CARRIED.

Discussion was held on dates for Authority meetings in 2017. The second Tuesday in August falls during carnival week so it was decided to have the meeting for August on the 15th. Dwayne Hackenberg motioned to have Authority meetings for 2017 on January 10, February 14, March 14, April 11, May 9, June 13, July 11, August 15, September 12, October 10, November 14 and December 12 at 6:00 P.M. Ray Colestock seconded and MOTION CARRIED UNANIMOUSLY.

Recommendation for Authority member in 2017-Charles Zechman will not be serving another term so a position on the Authority will be available in 2017. There were no recommendations at this time. The Authority will go with six members until someone is found to serve and is appointed.

LDG REPORT

New water source study-As part of the Water Allocation Permit, the Authority is required to prepare a new water source study. A draft was given to each Authority member. Four different options were presented for increasing the capacity of water system. This included a new well, treatment of Wells I and II at the reservoir, using Middle Creek as a water source and installing impoundments up at the Bowersox intake. The projected cost of the new well was \$520,000. Treatment of Wells I and II was projected to be a bit higher. Using Middle Creek as a source would be about 1.3 to 1.6 million dollars. The impoundments are projected to be 16 to 20 million dollars. There are some concerns in the report concerning future growth such as water service to Paxtonville, north on Route 104 and east on Route 522.

Dave would like the Authority members look over the report and then have a special meeting in January to further review the report findings.

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Water extension project on Wausau Road-This project has been put on hold until the Authority receives notification on its PA Small Water and Sewer grant application.

Paxtonville Road pump station-Dave believes the Authority should move forward with the work on the pump station but is waiting for the approval from the Authority to move ahead with the project. The longer the pump station is left as is, the situation will get worse. The fee to do the design was around \$20,000 and the cost for the project was about \$100,000. Ginny reminded the Authority that the money is in the PLGIT fund to complete this project.

Nutrient credits-A problem has risen with the nutrient credit purchase. Unbeknown to Dave, DEP has a spread sheet that is used to compile nutrient discharge data and there was a discrepancy between its information and the Discharge Monitoring Reports sent in by the Borough. Therefore an additional 285 nutrient credits needed to be purchased. This notification was received after the November 28th deadline so LDG scrambled to find additional credits, got the agreements in place and submitted them to DEP on December 4th. There was no Notice of Violation or fine and the additional credits were allowed to go through without any issues. The credits were bought from one of Pennsylvania American's facilities near Carlisle. The cost was \$2.50 per credit which was reasonable.

There was discussion on getting an estimated number of credits ahead of time. That would mean if it was determined the Authority did not need all of the credits, they could not be sold, which would be a waste of money. The Authority is on the edge of compliance and is trying to get away from buying nutrient credits so it would not be advantageous to buy credits ahead of time.

New well-The new well is not operating up to the 95 gpm that it was designed to do. LDG believes it is because of the restriction in the line through the golf course and South Wausau Road. If one looks at the handout given to the Authority, a check valve was placed on the line on Furnace Road to stop the short circuiting when using the blending system. When the well starts pulling the blending water out of the line on Furnace Road, it cannot just circulate back into that line because of the check valve preventing it. The water has to flow all the way down Route 522 to Main Street, out Wausau Road and up through the line on the golf course to get back into the reservoir. The other option is once it gets to Paxtonville Road, it can go up to the reservoir from there. Right now, it is probably doing both. If there is demand in the system then some of that water is not going to the reservoir but is being used.

With the present situation, the pumps can only be operated at about 20 gpm during the day. The pressure in the system was designed to go up about 19 psi when the well pump is running but it is going up in excess of 60 psi if the pump is run at about full capacity. LDG thinks the line on Wausau Road and through the golf course is in much worse shape than originally thought.

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LDG has put together a testing plan so the condition of this line could be determined. During the simulation, it was determined that the well pump and the blending pump are properly sized. The problem is the hydraulic restriction, which does not allow pumping at design capacity. An application for a PA Small Water and Sewer grant to replace the Wausau Road line has been completed. The Authority now waits to see if it is approved for Wausau Road but there are no funds to do the golf course line at this time.

When trying to figure out the problem, the valve was closed between Dinius Avenue and the Franklin Township line. They then opened the hydrant at the golf course and got very little flow. It was black for about two minutes and had very little pressure but then it cleared up. Dave believes that showed the condition of that line and also believes that is what is causing the issues with the well pump.

The plan is to test the Paxtonville Road and golf course line to try and figure out the flow restrictions in them or whether replacing the line on Wausau Road will correct the problem. There was question on whether it would be prudent to try and clean the line on Paxtonville Road to the reservoir. Cleaning and lining will be explored but if it is proved to be necessary, the line may need to be replaced and the size increased because it is supplying a large part of the town.

Dustin Zechman, Borough Foreman, expressed that he would like to see a water tank, with a level transmitter to turn the well on and then abandon the line across the golf course but he realizes that will cost money. It would also be nice to have the storage on the north side of town and then the reservoir could be cleaned also. Placing a tank where the old water tank used to be t would also correct the hydraulic issue.

Dave also questioned if the water line on Paxtonville Road could be cleaned for a lesser amount and then rely on that line. Dustin questioned digging pits along that road, since it was just paved. Tim suggested starting with the replacement of the Wausau Road water line and going from there. There was also discussion on increasing the size of the line out of the reservoir, which had been discussed in the past. Another potential would be to tie Paxtonville Road and Dinius Avenue lines together, which should allow more flow. Dave is going to check on pricing for scraping and pigging the lines in question.

If a water tank was placed where the old water tank was located, it would require a new foundation plus the line should be replaced because it is transite, which is old. Dave was asked to get pricing on a tank also. Dustin believes that an elevated tank is the solution. Then one could put a level transducer in the tank and the well pump would kick on and pump through the distribution system, backfeed the tank and shutoff when the tank is full. The well water would then most likely not backfeed to the reservoir but at least it could be used. Further information on this matter will be forthcoming.

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Terre Hill manhole lining-Terre Hill has removed all the defective liners and measured for new ones. They will return in the spring to install the new liners.

Retainer Agreement for LDG-LDG's retainer for 2017 was presented. The retainer agreement is pretty much the same as the 2016 agreement. There was an increase in rates for a Senior Project Manager, Project Manager and a Senior Project Engineer but the rest have stayed the same. Most of the work done for the Authority is done by the Project Engineer Designer.

Ray Colestock motioned to retain LDG for 2017. He felt due to all the projects the Authority is involved in, it was prudent to do so. Dwayne Hackenberg seconded and MOTION CARRIED UNANIMOUSLY.

Right of ways to water company land in Paxtonville-Solicitor Slivinski reported he is still working on the matter but it may come down to filing for eminent domain.

Fence at reservoir-Dustin Zechman, Borough Foreman, reported that the new fencing at the reservoir has been installed and they did a very good job.

Dwayne Hackenberg motioned to adjourn at 7:05 P. M. Ray Colestock seconded and MOTION UNANIMOUSLY CARRIED.

Beverly Inch
Municipal Secretary