

**BELLEFONTE BOROUGH AUTHORITY MEETING
AUGUST 4, 2015**

CALL TO ORDER

The regular meeting of the Bellefonte Borough Authority was called to order at 6:00 p.m. by Authority Chair Joe Beigle in the Bellefonte Borough Municipal Building.

Pledge of Allegiance:

ROLL CALL

Members Present: Beigle, Halderman, Clark, Scott

Members Excused:

Staff Present: Ralph Stewart, Borough Manager
Eric Lundy, Nittany Engineering
Bob Cook, WWTP
Matt Auman

Guests: Wade Newman; Frank Dankanich; Richard Miller

APPROVAL OF MINUTES

Mr. Halderman made a motion to approve the minutes of July 7, 2015. Mr. Clark seconded the motion. A voice vote was unanimous to accept the minutes as presented.

COMMUNICATIONS

ORAL

- Wade Newman, Borough resident and General Dentist working in the Borough. He brought his colleagues along and they would like the Authority to reconsider the decision to remove fluoride from the water. Fluoride is the first line of defense against dental decay and it affects those that are the most vulnerable and cannot afford to have dental decay because of lack of fluoride in the water. They are researching what Mr. Stewart put out on Facebook and the card that was mailed. He called and he wants precise numbers. Adding .7 - 1.2 parts per million fluoride in the water to bring it up to the current CBC standards seems like a lot. He wants to know what the cost is to put in the right amount of things that DEP is requiring. He wants to know how a decision of this magnitude can be made without knowing all the ramifications.

- Frank Dankanich practiced in Bellefonte for nearly forty years. Fluoride has been in the water ever since he came to town in 1975 and it was a battle way back in the '50's and 60's. While in practice he has seen a decrease in the amount of decay with both children and the older

people. Taking fluoride out of the water will leave these people very vulnerable to dental decay. He is talking about people that don't feel their teeth are important until they have a problem. By taking fluoride out of the water it will increase their cost for the overall expenditures at the hospital because these people end up at the emergency room. You can't put a price tag on the pain and suffering these people will go through.

- Richard Miller works with Wade and Frank and Bellefonte Family Dentistry. He just moved to Bellefonte two months ago. He will be starting a family soon and he strongly urged the Authority to reconsider putting fluoride back in the water. According to the ADA every dollar spent on fluoride is \$38.00 worth of dental care. In the long run he feels more money will be spent on dental care instead of putting the money into the water supply and hurting the younger folks in the town.

Mr. Beigle thanked the gentlemen for their comments and said the Authority would take them under advisement. The Authority will also provide the men with the cost information. He recommended they take two minutes and read the label on a container of fluoride to read how dangerous the chemical is and what the Authority is faced with.

Mr. Newman said it is very similar to chlorine but the Borough isn't going to take it out. Mr. Beigle and Mr. Stewart stated chlorine is mandatory. Mr. Stewart stated in the Borough with the small operation approximately ten years ago a man moving a chlorine cylinder tripped going into the doorway where both chemicals are kept. Fortunately nobody was hurt seriously but several people had to go to the hospital and a big chlorine cloud came down along Spring Creek and killed all the trees and anything green. It had to be reported to DEP. Fortunately no children were out and nobody was hurt seriously. That was an accident and accidents happen. The little barrel has to be switched out nearly every other day. Exact numbers can't be provided because it is based on flow. Every gallon must be treated to the minimum amount and you have to follow the permit. The Authority is mandated by the water permit that they have with DEP. The amount will fluctuate during the year. Mr. Stewart has tried to explain to various people that have contacted him that the Borough had personnel changes and DEP had personnel changes. The new sanitarian came in a few months ago and set up a thorough inspection. She noted that the Borough was not up to the minimum amount of fluoride and the safety precautions had to be put in place such as the shower, the eyewash, secondary containment, and a scale to measure. They are not terribly expensive things. The true decision points for the Authority have been the barrel being switched out and the safety issues. The Authority is not taking sides on whether fluoride is good or bad. People have called Mr. Stewart and either approved or disapproved of the fluoride issue. This matter was initiated from DEP. They said the Authority wasn't at the minimum amount and that triggered a review of what was being done. It raised some questions.

In Pennsylvania there are 2,064 water systems and only 112 of them use fluoride. The Authority chose a date of September 8th or 9th to stop the fluoride, but that won't be the true date because DEP wants to review the process of what has been done to date with notification and there may be a second round of notifications required before the Authority stops adding fluoride to the water. DEP will give the final time when fluoride can be removed from the water.

Mr. Halderman is in favor of keeping the fluoride in the water. He realizes it is costly and dangerous to handle. He would like another public hearing before anything is done. Mr. Beigle stated the Authority will follow DEP's regulation. What they say is what will be done.

The next Authority meeting will be Tuesday, September 1st.

WRITTEN

- A letter from Joe Alterio and his wife, 513 Benner Avenue, Bellefonte regarding keeping the fluoride in the water.

- A letter from Bryan Rodgers, C.M., Director, Penn State University Park Airport in reference to an invoice in the amount of \$2,607.57 that he received. Ms. Walker sent several notices with no response and then she did send a final notice that it would be sent to the District Justice if it wasn't paid by August 3, 2015.

COMMITTEE REPORTS

Finance Committee – Mr. Stewart reported for the Water System as of July 31, 2015 there is a balance in the checking account as of \$208,441.15. The Water Meter Loan balance is \$69,075.55; and the Corning Pump House Loan is \$344,808.00. It is now 58% through the year.

For the Sewer System as of July 31, 2015 the checking account has a balance of \$268,920.83 and the Money Market Fund has \$1,408,542.11. The Reliance Loan balance is \$700,033.52 and the Penn Works Loan balance is \$3,746,699.96.

Mr. Scott made a motion to accept the Finance Report. Mr. Halderman seconded the motion. A voice vote was unanimous.

ENGINEER'S REPORT:

Water Report - by Eric Lundy

Corning Pump House - Pump Upgrades - Strouse Electric, Inc. bid was awarded at the June 16th Authority meeting in the amount of \$159,415.00. The Borough received a signed copy of the contract agreement. NEA is waiting for submittals and other deliverables from Strouse Electric. Anticipated start time of the project is in September of 2015.

NEA is reviewing connection types with Cleveland Brothers related to a 500 KW generator. NEA is trying to coordinate a site visit to a Cleveland Brothers facility to review a 500 KW generator and to revise the connection, as shown in the bid drawings.

Bellefonte has been issued the current pricing from V-systems related to the proposed pump motors. Bellefonte needs to review the pump motor options and issue a Purchase Order in a timely fashion in order to keep the project moving forward.

The electrical engineer, Dan Mattern, will be completing a pump/vfd optimization study to determine if there is an operation point on the new pumps that would result in the most efficient use of the pump from a power consumption standpoint. Mr. Mattern is awaiting the Borough's electrical usage and pricing summary to begin this work.

Big Spring Cover Replacement - Eric contacted DEP regarding the potential use of a double liner system and the idea of a new drainable single cover with water spraying on the liner.

Eric received an email from DEP. The double liner concept is potentially approvable, but there are still concerns. The concern is when the water below drops too low and the support is not there. Eric stated it is a valid point. He feels the leak detection is a good idea. He wants to

be able to access underneath to inspect the bottom liner. Eric mentioned an underwater camera and inspections through that and it was felt that would be acceptable. The big issue is the structural integrity is creating a situation that increases risk of contamination of the source water.

Mr. Clark stated there is now a liner that has very fine wiring in it or there is a way they can electrify the liner to test for the integrity of the liner. He will provide Eric with that information.

Eric feels the big hurdle is the structural issue if the water drops. The water drops when it is being pumped. Mr. Stewart stated there will be stainless steel cables, but Eric said they are not meant to support the liner but to create a flow channel so it drains properly. If the water drops it will break where the cables are located.

Mr. Beigle wanted an example of when they have failed and is the water going to be contaminated when it does fall. Eric stated DEP is very nervous about liability and approving things. Mr. Beigle said to tell them to get out of the picture and the Borough will take the liability. The intent of DEP is to protect the source water. DEP feels source water like this should be in a structure with a roof on it. Mr. Clark stated the regulations are written to address a building built over the spring with a roof on it.

The current liner has a few more years of life expectancy.

Restek Fitness Center Water Service Review - Reviewed submitted plans for domestic and fire service and recommended approval of plans to Matt.

Corning Pump House - Chlorine Backflow - Jason Little has developed two (2) check valve options with assistance from LB water and Victaulic Bernad Technologies. A schematic diagram was issued to Mr. Stewart regarding the proposed revisions. LB Water is preparing a proposal for the various valve options and NEA plans to make recommendations to the Borough regarding a proposed solution in the near future.

Fluoride Removal - Eric will be working with Mr. Stewart to move forward with this process.

Matt Auman -

7/08/15 - Installed new check valve on pump #2 at the Corning pump house.

7/13/15 - Installed new surge relief valve on pump #1 at the Corning pump house.

7/11/15 - Started to replace the water main and lateral at 711 Locust Lane.

7/15/15 - Installed new check valve on pump #2 at Reservoir.

7/17/15 - Finished Locust Lane project.

7/20/15 - Repaired water main on East Linn Street.

7/28/15 - Martz Controls came to finish switch over at the Reservoir and Corning.

7/28/15 - Started Pike Alley water main replacement at the 300 block, 260 ft. of 2" main has been completed. They will be bringing a 2" main down Ridge Street from High to gain more volume and pressure starting 8/4/15.

7/30/15 - Repair 4" water main break at 209 West Beaver Street.

8/7/15 - Stitzer Crane service will be here to help install the new check valve on pump #1 at the Reservoir.

John Sept at PennTerra contacted Matt about taking over Jonathan Lane in Rosehill Drive, which is the Burnham Farm Estates. Matt is not sure what is required. Eric will check his files. He believes they will need to do a Deed of Dedication.

Mr. Stewart had a similar question about Beaver Farms Lane. Those lines weren't dedicated.

It was noted that the Borough hasn't taken over Amberleigh either.

Sewer Report - by Bob Decker

Facility SCADA Controls - Maintenance Contract - NEA coordinated a SCADA facility controls maintenance scope to standardize system support. The scope of work will establish response times, maintenance reports and minor software updates as required.

Phosphorous Treatment - As stated last month, they have included the cost in the capital project but will want to purchase and install as soon as possible so they can manage the new regulations changes coming in October.

Facility Upgrade Response - NEA is preparing for the upcoming meeting with SBWJA on August 10th. This effort has been required based on continued misinformation that has been presented to the townships, and SBWJA's letter dated July 14, 2015. Separate documentation to follow for Boards review.

WWTP Upgrade Project -

15-073A (Preliminary Design) NEA has begun the Preliminary Design process on the WWTP upgrade. With that said, we have met with BBA staff to finalize and update the project scope.

In addition, NEA/BBA met with EVOQUA (BIOMAG system) to finalize the preliminary design concept for the proposed process, and provide a summary of these findings. NEA also provided direction on the process testing required to process modeling of the new treatment system.

Below is a schedule of the project that has been updated with:

Prelim. Bench Testing/Settling Test - July and August 2015

Preliminary/Permit Phase - July 2015 through December 2015

Final Design Phase - October 2015 through January 2016

Bidding Phase - February 2016 through May 2016

Construction Phase - June 2016 through May 2017

15-073F (Settling Test/Bench Scale Evaluation)

Settling Test

NEA has provided direction on the Settling Test layout for the BioMag process and its application for the BBA treatment facility.

The settling test will be completed in the coming weeks.

EVOQUA has completed its bench scale evaluation.

EVOQUA will also be doing additional Flux settling test on site within the next few weeks.

Power Dips

Bob C. had representatives from West Penn Power in to review/discuss ongoing issues with power dips. Although they mentioned that we may want to look at adding single phase protection (which we will be looking into) since we have very sensitive equipment, Bob C's experience is that these dips are very frequent this year without any specific causes like electrical storms and high winds, etc. We need to pursue having WWP try to find the irregularity on their end also.

Bob Cook -

The bulk water sales for June was 336,500 gallons.

During the week of July 6th through the 10th the following equipment was repaired: Truck Scale, Nitratax Probe, Case Loader and the Mack Dump Truck.

The Pilot Volute Press is tentatively scheduled to be at the WWTP during the week of October 12th through the 16th.

July 15th a tour was provided of the WWTP and a meeting on the 16th with NEA representatives from BioMag.

July 17th - EQ Digester Blower Drive, No. 2 was placed back in service.

July 17th - A one hour Demand Response Load Reduction Test was conducted from 3 p.m. - 4 p.m.

July 20th - Samples from the A.S. Unites were collected and shipped out for analysis (BioMag Project).

July 27th - Contractor confirmed a start date of 8-10-2015 for the Roof Project (Red Brick Building).

July 29th - Submitted Lab Accreditation application to DEP.

On Wednesday, August 8th, at 9:00 a.m. (in the garage at the WWTP), representatives from BioMag will be conducting a Solids Flux Test Demo. If anyone is available please stop by and see the demonstration.

Bob provided the Phosphorous Control Proposal. The cost is \$45,455.17.

Mr. Halderman made a motion to approve the proposal. Mr. Clark seconded the motion. A voice vote was unanimous.

OLD BUSINESS

- None

NEW BUSINESS

- Bank Proposals (Reliance, First National Bank, PNC, Northwest, Fulton). The Authority went into Executive Session.

Mr. Scott made a motion to go with the Northwest Savings Bank offer and the ten (10) year fixed option. Mr. Halderman seconded the motion. A voice vote was unanimous.

- Mr. Stewart reported at the Penn Eagle Pump Station the piping was switched around and the information was sent to the Engineer and DEP. The feedback he received is the original

permit has the Authority's hand tied. In the original permit it says there is going to be a system that has computer controls, is tied into SCADA, who is there, passwords, how much water they are getting, when they are getting it. The DEP reviewer is focused on that. The Authority doesn't have that because they just want one station up there. The permit says four stations. Mr. Stewart needs to contact the Uni-Tec engineer. It may be easier to start from scratch rather than taking the old permit and getting it where it needs to be. Mr. Stewart does not know how long that will take. He will get answers. Mr. Clark feels revising the permit may be better and easier than starting again. Mr. Clark recommended getting the permit number so he can check to see what was submitted.

- Mr. Cook and Mr. Stewart met with Martz Technology at the WWTP to look at the controls. They are available to provide support. The man from Nittany Controls was there doing things for Mr. Cook.

Martz Technology said this WWTP was the cleanest, nicest plant he has ever been to.

- Mr. Scott said the Authority had a term sheet and should get a commitment letter. One thing says operating accounts be kept for the life of the loan. He stated there is probably the same agreement with Reliance. That will need to be addressed with Greg and let them know the Authority is required to keep an operating account with Reliance and may be required to keep a balance in a Northwest Savings Bank account.

ADJOURNMENT

- Mr. Halderman made a motion to adjourn the August 4, 2015 meeting of the Bellefonte Borough Authority at 7:35 p.m. Mr. Clark seconded the motion. A voice vote was unanimous.