

**BELLEFONTE BOROUGH AUTHORITY MEETING
MARCH 10, 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, Badger, Halderman, Thal, Clark

Members Excused: Brown,

Staff Present: Ralph Stewart, Borough Manager
Eric Lundy, Nittany Engineering
Bob Decker, Nittany Engineering
Bob Cook, WWTP
Matt Auman, Public Works
Don Holderman, Assistant Borough Manager

Guests:

APPROVAL OF MINUTES

Mr. Halderman made a motion to approve the minutes of February 3, 2015. Mr. Clark seconded the motion. A voice vote was unanimous.

COMMUNICATIONS

ORAL

- None

WRITTEN

- A letter from N. Warren Miller, Spring-Benner-Walker Joint Authority regarding the WWTP Pending Capital Projects.

Mr. Beigle will be meeting with SBWJA Chairman, Warren, their engineer, our engineer, Bob Cook, Mr. Stewart and possibly Mr. Halderman.

- The Pennsylvania Public Utility Commission will host a Cybersecurity Tabletop Exercise on Tuesday, April 28, 2015, from 8 a.m. to 4 p.m. The free exercise is to address

potential impacts resulting from a cyber or physical attack on a utility's network and infrastructure. It will be held in Hearing Room 1 of the Commonwealth Keystone Building, 400 North Street, Harrisburg, PA. Those interested in attending should register with Commissioner Witmer's office no later than Thursday, April 23rd.

Mr. Beigle suggested Martz Technologies might be interested in this.

COMMITTEE REPORTS

Finance Committee – Mr. Badger presented the finance reports. He began with the Water Fund. There was \$45,000.00 repaid to the Temporary Loan from the Sewer Fund leaving a balance of \$10,000.00 still owed. All the employees have received their work boots so that expense is completed. There was a net income of \$58,552.87. The checking account cash balance is \$150,101.70. The loan balances are: Water Meter Loan - \$132,079.43; Corning Pump House Loan - \$353,985.84.

It was noted that Vikram had a set of keys at one point. Mr. Halderman suggested having the attorney write a letter and request they be returned.

With the Sewer Fund the work boot expense was completed. The heating and cooling was up due to the weather. There was a net income of \$331,533.87. The checking account balance is \$584,979.72; the Bond Redemption checking is \$244,968.65; the Money Market fund is \$1,132,700.45. The loan balances are: Reliance Loan - \$718,672.84; the Plant Upgrade Loan - \$3,859,574.22. There was a fine to the Airport for \$4,500.00

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

ENGINEER'S REPORT:

Water Report - by Eric Lundy

Corning Pump House - Pump Upgrades - NEA (Dan Mattern) is currently working on the AC system design now that the VFD drives have been chosen. The AC system will be designed based on one pump in operation.

- Authority is reviewing pricing on V-System's pump motor and services.
- NEA to submit information to Historic Preservation Board for approval on the exterior switch gear that is proposed at the pump house. This will be done once the design of the AC system is completed so that any changes to the exterior of the building can be shown.
- Centre Region Code will need to be updated with project since Bellefonte has recently changed code officials.
- NEA will meet the Authority's desired bidding, award and construction schedule.

Centre Peace Water Service Review - NEA reviewed the proposed fire and domestic water service for the Centre Peace development located along the Benner Pike and provided comments to Matt via email on February 5, 2015.

Centre County Refuse & Recycling Authority - fire sprinkler service - NEA is the engineer for the CCRRA's transfer station project and is working with the CCRRA to ensure that

the proposed fire sprinkler system meets Authority regulations. He has provided input on check valve - detection meter pit specifications.

Big Spring Cover Replacement - Met with Ralph on February 26, 2015 to discuss what the Authority envisions for the Big Spring Cover. NEA will be working with cover supplier and fountain supplier to present the concept to DEP in order to get DEP's input on what DEP will require in the permit application.

Ralph forwarded the contact information but Eric has not contacted anyone. Ralph did get in contact with John, the person he and Joe met with, but John had just been in a car accident. He was bruised up. Ralph plans to get in contact with him again soon.

Matt Auman - He reported it was a busy month in February. There were: Water line and meter freeze - 12 service laterals; 2 water mains (Lee Street, Coleville) - they need to be lowered in the spring; 11 freeze plate and gasket install; 2 new water meters.

Mr. Beigle commended the Water Crew for the great job they have been doing fixing leaks. There were three 6" breaks all in the same night. One was at 866 East High Street; one at Centre Street; and one at 1082 Triangle Road. It was estimated that each of the breaks had 100,000 GPD loss.

Dave Moore was in on February 12th to look at the flow meters that need calibrated. He is still waiting to see if he will be able to calibrate the meters and check the Mag meter at the Penn Eagle pump station.

They met with Rockview on February 4th about the water line interceptor. They are going to wait until the weather breaks to do a trial switch over. They are planning to use our water the week of March 23rd - 27th.

Sewer Report - by Bob Decker

RBC System Upgrade/BIOMAG WWTP Upgrade Project - NEA met with Ralph, Bob Cook and Lori on February 26, 2015 to discuss the project scope, projected user rates, funding options and any other applicable required plant upgrades that the Authority may want to consider adding to the capital improvement project.

Eric presented the funding options. They looked at three real world examples for funding. Ralph got two different options from Concord Finance for floating the note - interest only for five years and then a ten-year principle and interest payback for option #1. Concord option #2 was interest only until 2020 and then a 15-year principle and interest payback. They also looked into a PennVest funding option where they would fund the project. Based on their Centre County interest rates and how it is understood that their process works it is a 20-year principle and interest year. The first one or two years is interest only. They don't give the money up front. You have to go through the project and have a construction loan to pay the bill. When everything is finished and DEP and PennVest are satisfied they will settle on the loan and set you up with a 19-year return for a good rate. The first five years have a slightly lower interest rate.

Each large row indicates what expenses there are. A lot of information was provided. They bumped up the project cost to \$6,039,000.00 to cover the RBC's, the RAS piping upgrade, the splitter box at the WWTP, a new roof. It is larger than what needs to be but this is a planning exercise. The Authority share is 58%, which is \$3.5 million. The user rate necessary to meet the

obligation would be \$122.39 per quarter or \$40.80 per month. They provided suggested rates they feel would work for each option. Mr. Stewart would like to know how much interest would be paid over the course of the various options.

RAS Piping Upgrade - To be included in the plants capital project.

NPDES-EPA Pretreatment Program - Headworks Analysis - At this time the consensus was to proceed ahead with the EPA's response to finalize the acceptance of these limits and advertise to complete the process.

NEA has provided the new limits to the Authority for final approval prior to processing with the EPA.

Sludge Dewatering Equipment - Evaluation/Replacement - To be included in the plants capital project.

User Rate Analysis - NEA completed a User Rate Analysis to show the cost impact from the additional capital cost financing for the plant upgrade under 14-001K above. Please note that the User Rate Analysis assumes that SBWJA will finance their portion of the project as they have directed in recent correspondence.

NEA has updated the User Rate Analysis to reflect project escalation due to inflation for the 2020 project budgeting option. NEA will also look into the PENNVEST funding option for the project and add the possible bond scenario (Concord Financial) as an option to be looked at for funding the project and its effect on user rates.

BBA - Pretreatment Program - NEA is working with the facility staff to revise some parts of the Pretreatment Program to be updated with today's treatment costs and current regulatory language.

At a minimum, the surcharge price per pound of BOD and rate that exceeds the current limit of 300 mg/l will be updated along with any applicable EPA ordinance updates.

Bob Cook - The bulk water sales for February was 28,500 gallons.

An explosion proof heater on the 1st floor of the Pretreatment Building had to be replaced at a cost of \$4,775.00.

On February 5th he submitted the 2014 Biosolids annual Report to DEP.

On February 5th BNR Filter-Changed glycerin products, due to a price increase of \$1.01 per gallon. They were paying \$1.59 per gallon. Received quotes for the other two, DEP approved products as follows: \$2.05 per gallon, (Bug Fuel 5000), and \$1.95 per gallon (MicroC 2000).

February 6th follow-up email to Jim (JCI) & TJ (Allied), Utility Water Pump Check Valves, are getting worse.

February 6th DEP conducted a NPDES Compliance Inspection, a few minor recommendations.

February 11th received a check from UPA in the amount of \$4,500.00

February 12th The Meter Guy was in, and verified the Influent Flow Meter was reading properly.

February 16th email from Allied Mech., new Replacement Check Valves have been ordered.

February 26th Allied Mech. On-site prep work to remove & install Utility Water Pump Check Valves.

February 27th Allied Mech. completed installation of two new Utility Water Pump Check Valves.

March 2nd a section of the brick wall fell, from the Spring Creek side of the Red Brick Building (old Admin. Bld.). Our Maintenance Department removed the loose bricks to prevent further safety issues from falling bricks, which ended up being the top seven rows of bricks.

- The Airport has been suspended for now. They were hauling it to different plants and after one load they were shut off. It is high BOD. There is a pre-treatment plant you can put in for those that recycles a lot of them. You still have a reject, but it is a lot less. Mr. Beigle suggested getting a meeting set up with Brian Rogers, the manager. The price will need to be raised. It was suggested to have them pre-treat it before sending it down. The generic information can be pulled together so they understand the situation. It will be cheaper for them rather than hauling it out. It was suggested that the FAA would help them out with the project.

OLD BUSINESS

- Mr. Stewart showed pictures for the Big Spring cover project. The new cover will hold water on top of the cover in order to hide the cover. There are cover color options and fountain options. Fresh water will be put on top of the cover and several gallons a day will go over the overflow so no chlorine is used. They met with Senator Corman's office and they are seeking funding to go along with what Coca-Cola provides. Coca-Cola has committed to \$70,000.00, which is the cost of a standard cover. The diagram on the screen shows five fountains that are put on top of the cover. At a Council meeting there was a suggestion to go with one fountain. The fountains sometimes are used to aerate the water. There is an option to go with a fountain that has colored lights built into it. Another option was a basic fountain that had one color bulb. The question was raised if the fountains would freeze in the winter. Mr. Stewart will check into this. The spring is approximately 60' x 75'.

Dan doesn't feel the cover will stay clean no matter what you put on it. He recommends one fountain to start and the blue color. Mike likes the blue cover and five fountains. Thal likes the blue with one fountain. Buddy likes the blue but would prefer an aqua blue. His preference is for the five fountains. He would like to have colored lights put on the falls again. Kevin prefers blue with one fountain but agrees with Matt that you may want to have them in the corners to circulate the water. Mr. Beigle would like to see different colored lights in the base. Matt likes blue but he is concerned with the circulation of it. Bob likes the blue. Don would like to see more than one fountain with a blue cover.

- The fee schedule needs to be reviewed and updated. When you do fee schedules you can set it up so there is a yearly increase.

- When the Borough does sewer or water inspections Spring Township gets the permit fee and the Borough doesn't get any money. Mr. Stewart stated it is just some housekeeping that needs to be done.

- Mr. Holderman has been attending a water school this week. It is a three-day general course that prepares you for the general test. It is being done by PA Rural Water.

- The Borough is in the process of updating the security around the water facilities with new keys and new locks. It is a special key that has a code in it and it will register who used their key.

- The alarms at the Big Spring have been going off quite frequently and it turned out it is a muskrat.

- Chlorine analyzer units have been ordered to go on the wall in the Big Spring and Corning Pump Houses.

- The DEP Water Sanitation person is coming in next Tuesday and Wednesday, March 17th and 18th. They feel there will be deficiencies. Regulations have changed and things are much more stringent. Matt received a PDF from DEP that he will forward to Eric.

- Mr. Stewart is still trying to schedule the Coca-Cola data loggers. They are trying to coordinate L/B Water coming in and showing how these things are set. The numbers are still up so there are still leaks that need to be found.

- The bids are nearly ready for the Corning Pump House project.

- Mr. Stewart met for the second time with West Penn Power's electricity contractor that gives the incentive. They use a subcontractor called Clear Result. He brought an engineer in to the Corning Pump House and looked over everything. You have to push a button on the application on the Internet. You submit your application before April 30th to get a \$.07 per KW incentive. If you miss that you get \$.05. When you hit that button you must have the project completed within 90 days. You could just submit for one pump.

- The VFD's the ABB drives were ordered through Martz Technologies. They had the best price.

- The V-systems with the motors. There is a question on the motor between the motor and the pump. They don't make the coupler anymore and there is concern about replacement parts if one breaks. Matt Voight is coming in Friday to take another look at the coupler. It was suggested to have them look at the check valves also.

- The PA Rural Water Conference is taking place the end of the month. As part of the conference there will be a tour of the WWTP.

NEW BUSINESS

- The Chemical Bids were opened. They were as follows:

Unibar USA, Hollidaysburg - Liquid Alum - \$4,512.20 per 4,500 gallon load. Billing price is \$385.00 a dry ton.

Thatcher Company of New York Inc. - Liquid Alum - \$.7514 gallon per 4,500 gallon load.

Chemtree - Liquid Alum - \$3,618.00. Price equates to \$297.79 per day per dry ton.

Holland Company - Liquid Alum - \$5,500.00 per 4,500 gallon load.

Mr. Clark made a motion to turn the bids over to Bob for review and approval. Mr. Halderman seconded the motion. A voice vote was unanimous.

- There are some water guys and wastewater guys going to the PA Rural Water Conference at the end of the month.

ADJOURNMENT

- Mr. Halderman made a motion to adjourn the March 10, 2015 meeting of the Bellefonte Borough Authority at 7:32 p.m. Mr. Clark seconded the motion. A voice vote was unanimous.