

Shippensburg Borough Authority Minutes

February 14, 2017

6:00 pm

Present:

Michael Pimental (MP) Steve Brenize (SB) Troy Pomeroy (TP) Kerri Burrow (KB)
Evaggelos Tsambiras (ET) Dennis Hammaker (DH) John Epley (JE) Peggy Miller (PM)
Forest Myers (FM) Brian Kauffman-Rettew (BK)

Absent:

Mark Ryder (MR)

1. Public Comment none

2. Consideration to approve meeting minutes of December 13, 2016

(TP) moved

(KB) second

(MP) Moved by Mr. Pomeroy, seconded by Ms. Burrows, any additions or corrections to the minutes, being none let's vote. Motion carries unanimously.

3. Consideration to approve meeting minutes of January 10, 2017

(SB) motion to approve

(TP) second

(MP) moved by Mr. Brenize, seconded by Mr. Pomeroy any additions or corrections, being none let's vote. Motion carries unanimously.

4. Reports:

a. **Engineer:** (DH) 1. General Well #2, that permit has been received, and so we are clear to install the temporary chlorine feed equipment at Well #2. Well #2, also shows waiting for DEP, not so happy to report about that one, which we also heard from DEP, but it was negative item. Just to give you a quick background we have submitted the permit application for Well #2 in September of 2015. So this permit has been going on for about a year and a half. If anybody would be interested I have the documentation that shows that we have been back and forth with DEP over this issue for that period and as long ago as Sept of this past year. They have been telling us it has been ready to issue it just need to get approved by the supervisor and it's a go. Well we got an email correspondence on February 9th adding an additional comment that has never been addressed or brought to our attention or ever given to us before that time. It has to do with the required contact time for the Well. Without getting into a great deal of detail. From the time that Well was installed until now, there was a change in the regulations and the Well has been grandfathered in. It meets CT time but there is a caveat in there that even if you can meet CT time with less time in the disinfection with the contact tank, that you still have to have 20 minutes of time. Which we do not have, we meet disinfection requirements but don't meet that new regulation. Because we have not made any changes to the flow rate or the method of chlorination that have never been brought up as an issue with DEP. We believed that we were still grandfathered in under the old regulations and that wasn't going to be a problem. Last week we got a communication with them that said we had to meet the 20 minutes. So we are working with that issue with DEP and we are still gathering information. We are going to request a meeting with them to see if we can head this off. We think that they have been not as forthcoming as they should have been with us. This has gone on for way to long as far as the processing of this permit. Unless you have questions about that, we want to get a full package together and talk with them and address it at our next meeting so I have a full report to give you. I just wanted you to know that that had happened, Thursday.

(PM) Obviously, we are less employees that DEP took 18 months to tell us something that they should have known from day 1. However, this gives us time to sit down with them and say if this is your position what can

we do to expedite this. We can do our part, what is it that we have to do? This is permit that should have been turned around in probably 3-6 months. Their excuse was that they are short staffed, well aren't we all doing a little bit more than we typically have to do. We will let you know when that meeting is and we will include John in that. What it boils down to is we are not adjusting the flow; we are not changing anything but going from gas chlorine. We have an issue with the chlorination system, it is old. And two years ago the board decided that gas chlorine is risky; there is a risk with handling it we have all these issues so let's so similar to Well 1 and Well 3 with onsite generation. So that system was proposed and the application was submitted in December of 2015. John and I were both at meeting on another issue with Dennis and DEP in September and were told it is on the directors desk and awaiting his signature.

(TP) Does this have to do with part of the building being in the flood plain?

(PM) no

(DH) that was resolved by September, that permit was issued in August. So that has been resolved, that was the only thing we were told that was holding up the permit in August. And as soon as they had that they were going to issue the permit.

(SB) may I suggest Mr. Epley making a phone call, because I made a phone call to somebody on the 18th of January and we got our other permit on the 2nd.

(FM) did their regulations change in the 18 month period?

(DH) no

(FM) I don't know that DEP, you are certainly free to make the phone call, but DEP is going to say a regulation is a regulation and we will get to it when we can.

(KB) you got to be careful about pushing them

(ET) the problem I have is that they said everything is done and they are waiting for the director's signature.

(DH) We believe it is probably the director that brought this up.

(PM) That is what we were told verbally

(DH) We were told several times since then on the phone, when we asked about it. That is was going to be acted upon at any time. Every time we asked that is the answer we got. It has been very frustrating and the frustrating thing is it is a last minute thing. Nobody has brought this issue up, and we believed it was a grandfathered in. You are meeting your disinfection requirements and the water is safe to drink. You are getting the disinfection that you need, it is just one caveat in the regulations that has changed since it was designed and we believed that it was going to be grandfathered and we were not led to believe anything else.

(FM) I am not discouraging John not to call but I think you need to be careful that you make them understand that this came up and it is not the issue that the regulation changed it is the timing of it and the fact that it was never communicated to the authority. That would be my only concern.

(PM) I think it would be good to have a face to face with them and more or less use this as a little bit of leverage to say this isn't going to take another 18 months? Is it?

(DH) our biggest concern is if we have to make a change in design to meet this regulation, now there is going to be an additional review. We need to push DEP not to hold things up to review it immediately and get us a permit.

(JE) I have a question Dennis about this contact time. Are we in violation for not having enough contact time at this point?

(DH) We believe that the Well has been grandfathered in under the previous regulations until this time. The only reason that they are bringing this up is because they have decided that we are making a significant change to the facility that now we have to be under the new regulation. Normally they make you come into conformance with new regulations when you make a significant change to your facility and that is the position that they are taking. The reviewer didn't identify it but the supervisor apparently did and that is where we are.

(KB) So we are in compliance until the changes are made.

(DH) yes

(JE) so right now we don't have 20 mins for a CT time

(DH) at full flow, which we have not been pumping at full flow, it would be 11 minutes

(JE) where are we going to get an additional 9 minutes of contact time?

(DH) we have to look at the options, must likely it would have to be an additional contact time.

(KB) That means what? Dollar-wise? Construction-wise?

(DH) I would prefer to have a full review of the costs and give you, this is new, we have been trying to get information since...

(KB) this doesn't bode well

(MP) it is going to be expensive

(BK) there are several options, I think what we want to do is look into the options and get you the most cost effective option. But it is a lot of money, that is why Dennis is hesitant,

(DH) I don't want to tell you something and have it be wrong; I'd rather give you good information. I think they would probably frown on splitting up the project into smaller pieces. It would be definitely more expensive for you to do multiple projects and contracts. I don't know where the fine line is from a minor project to a major project. It has already been identified in their minds and that may be very difficult to turn this thing around.

(MP) lets have this meeting and see if we can't get them to see things differently and let me know when that date is.

(FM) One comment that I would make is that you have to be careful even if they agreed to grandfather you in, you are now in violation of their regulations and if there is a problem it is going to come back on the authority. If you can only provide 11 minutes and they say well, we will grandfather this in, now you have been warned. Now you have been notified that you need 20 minutes and you are not meeting that standard and someone down the road.

(SB) the next time we have an issue, no matter what it is caused by it will bring that into scrutiny

(PM) not to belabor this discussion, hopefully this might be the last comment. You are good to go at this point because your chlorine residual is high and they give you credit for the high chlorine residual and the lower amount of contact time. So if anybody is thinking we are going to get sick about this, physically sick, we are good to go because we have a higher residual and a lower amount of time. When DEP changed the rules, they are trying to get away from the high residual so they are backing that residual down. Which means when you back a residual down you need a longer amount of contact time.

(DH) to get the same amount of disinfection.

(PM) so hopefully that will make you all feel better.

(ET) one question, is this about the only thing that we are not in compliance with out there?

(DH) that is the only thing that I know about let me give you a caveat to that, I wasn't involved in the design. So I don't have first hand, hands on knowledge about all the decisions and all the correspondence that occurred during the design. I am aware of what is happening since it was completed, and was submitted to DEP. But I am not aware of anything else that might be out of compliance with.

(ET) if we would make the contact time 20 minutes, we would be having it within the conforming use.

(FM) it would be in conformity with the regulation.

(ET) So maybe we should start thinking that way and just go ahead and do it.

(DH) I suspect where we are now, we are probably not going to have a lot of choice whether we do it or not. It is just a matter of, if we can get them to allow us to do it in a way that is most advantageous to you and get the permit turned around in a short amount of time. Because if we do end up meeting the regulation which I suspect we will it is going to mean resubmittal to them, because there is going to be a change to the design, which could trigger a lot more review time. I think we need to is push for a really quick turn around on this thing, based upon the track record.

(MP) They are going to dictate what we do, all we can do is go to the meeting and see what wiggle room you can get out of it and then proceed according to whatever they are dictating. I think you are going to want to be in compliance.

(DH) Well 3 evaluation, you have in your packet Brendan O'Donnell's report. Let's hit the hit points, and look at the colored graph that is in everyone's report. There are two graphs the first one shows water levels and also pumpage rates. The blue scatter graph on the top is the Well level. You can see the elevations on the left hand side of the graph. The time period at the bottom is from 1/1/2011 to 1/1/2017. So it is 6 years of time. The reason that there is the high and the low is that the top of that blue is the static level, when the water is not being pumped. The bottom of that blue is when the Well is being pumped. The Well drops about 20' feet when the pump is turned on at the rates that we have been using. Also going horizontally across there are some dotted lines. Starting at the top at the right hand side there is 2003 static water level, there is 2001 static water level. There is a 2001 pumping test water level and there is a top of pump bowl assembly (in red). In green is similar data to a USGS Well that Brendan was able to pull. It is a Well that is in the Valley that is fairly far away from us, I think somewhere between here and Chambersburg. This is not a Well that is affected by what we do with any of our Wells, but it is there as a reference to what the general changes have been in water table level through this time period as a reference point. So the things I would like to emphasize on this graph are number 1- that the water levels have been obviously declining, since 2013. They were up and down, we got an annual variation because of recharge in the spring and the levels generally fall in the year at Autumn when it gets drier. It is noticeable starting with a peak between 2014, 2015 you see an obvious drop off. Those levels however, the two 2003 static water and the 2001 static water levels prior to us pumping at all. And were during periods of relative drought, they were fairly dry years. You can see that the top of this blue is the static water level that compares with those two levels. So even though we have been pumping this Well for six years, even in the 2016 we were above the static level in the 2001 level results. That was before we ever pumped any at all. In the six years we are talking this Well has only been used for 8 years, since 2009.

This data is six years which there has been static steady pumping. You can see that the static level which is the top of the blue is still right around the 2001 static water level before there was any pumping at all. The blue is well above the level in the pumping test, the level in the 2001 pumping test which is the dark blue.

(MP) help me understand that one, what is that line telling me?

(DH) it was a pumping test that was done, I believe as a part of the permitting process, similar to the SRBC that we are talking about with Well 3 right now. So it was a 60 hour test to show that the Well could be used long term to establish its capacity. During that test the water level was down to that level, which is well below, 25 feet below the lowest level of the 2016 level data. So we are not even approaching that, and at the time SRBC and the permitting agencies concluded that the Well was, it could sustain the pumping rates that were in the permit which was 1300 gallons a minute.

(BK) 1200

(DH) 1200. So we are not even approaching the levels that are in that pumping test and at the time it was determined even with those levels that the Well was sustainable at the request in the permit. We talked with Cole Brothers who does a lot of your Well work they do the pump removals and maintenance and assist you in those areas. They say you can safely from a pumping standpoint, a physical standpoint you can have water levels down to that level to the top of the pump bowl and still be able to pump satisfactory with the pump that is installed in that Well.

(MP) So if we are just under 685 at a low point, so you are saying that we can pump this thing all the way down to 640

(DH) yes and still physically be able to pump the water if you choose to

(MP) but you could also pump all the way down to 665, 666 and still be at the 2001 test level, which obviously we had rebound after that.

(DH) the other good thing to notice is that the changes and the general trend in the USGS ground water Well which is the green line very well follows which is happening in our Well. And I don't even believe that that is a Well that is even pumped. I think it is just a Well that they measure to get an idea of what the ground water is doing during periods of high water, low water and so forth, they keep data on it. The good thing is that it appears that the changes that have occurred in the Static and in the pumping levels in the Well are most directly related to climate changes not being caused by the pumping rates that are being done with the Well.

(SB) so the pumping test, the 2001 pumping test Water level that is a test that is done to determine that we are going to be able to get the amount of water out of it that we need to get out of it, correct?

(DH) yes,

(SB) so would it make sense or is it cost effective to set our system so that we have an ability to be able to pump water for 60 hours out of the Well to do another test on that. or is this data saying that we don't need to do that 60 hour test?

(PM) I don't think you need to do that.

(DH) I think the effort that we are going to talk about in a little bit here at Well 3 is to try and avoid doing that because of the cost. You can do it on your own, if you choose to turn the Well on and run it for 60 hours and see what happens, there is nothing that would keep you from doing that for sure. So the conclusion that Brendan came to and I am the messenger, I am not the expert here. The message that he gave was that it appears very strongly that the changes that you have seen in this Well are directly attributed to climate issues of precipitation and not due to how much you are pumping it and if you are not over pumping it. It doesn't appear to be a problem with the Well it is just that during the first few years where we pumped this Well the precipitation was relatively high. The static water levels were higher, in the last 3 to 4 yrs. the precipitation levels have been less, the recharge has been less, and therefore the static water level in the Well and the dynamic the pump level have fallen in response. We expect to see that start to recover here in the next month or two as Spring comes on. With some snow melt and or well, if we get any snow.

(PM) We have had some decent precipitation.

(DH) and if you look at the second one, you can see that it shows some of the same data but it also shows precipitation on that one, so you can see precipitation is on the right hand side of the graph. You can see from 2010 to 2013 about how much more precipitation we have had from 2013 to the current time. One year 2014 you were about average, but the other ones are well below average. The other thing that Brendan brought up is that there is no correlation that he could see from when the Well was pumped and changes to the Well water elevation. There was a lot of correlation from the precipitation changes due to lack of rainfall, no correlation with the pumping or over pumping or when you pumped it fell more. It appears to be totally a function of the current weather pattern; everybody hopes that will change soon. There is no reason to believe, there was some effort done to try and find out where the action level in the drought, contingency plan came from. We were never able to make that determination. One of Brendan's recommendations is that that action level be reviewed and maybe adjusted a little bit. He is suggesting because right now we are in a downward trend that you continue to monitor the levels if they do drop that much more, then we just need to keep an eye on it and be sure that the trend doesn't continue. Or it doesn't continue to down for instance when the precipitation is going up.

(MP) going forward we would want to reinvestigate and re-question this Well if we get a draw down somewhere in this 670 range. That would start to tell us that we are approaching that 2001 pumping test water level.

(DH) I would say that is when you start getting concerned, yes

(MP) but we have a lot of space to go

(DH) it would appear so and again the hope is that through the last 4 years of average or mainly below average rainfall that that would turn around and we will see levels back up to where we saw the preceding 3 years

(MP) so this blue range of all the Matrix dots here, if we continue to go forward with less than average rain falls we would expect to see that blue line continue migrating down

(DH) if there is less rain

(MP) so a time that we would be very concerned is if we did receive average or above average rain for a period of time and this Well continued at the same level where it is now. In other words if it didn't show rebound when it rained then perhaps we should be concerned.

(DH) you should continue to monitor it and maybe we could set up a process where the levels were recorded and sent to Brendan once a month and he would look at them

(MP) is the USGS Well FR818 Groundwater Elevations data available to Peggy? Can she get that on a routinely basis

(PM) yes, Dr. Feeney sent a link to me for that I think, it is public knowledge

(MP) you can measure where they are and where our Well is and track that deviation and make sure that it is staying within the range

(DH) another thing that I failed to mention before is that it is my understanding that Brendan and Dr. Feeney had a lot of back and forth and a lot of emails and so forth. When the data came in, what I was told was that they both came to the same conclusion independently. So this wasn't something that Brendan did and sent it off to Dr. Feeney. He actually looked at it himself and when they spoke they had found that they both came to the same conclusion. That was encouraging that a second opinion independent came to the same conclusion that he did.

(ET) I have a question, this line that goes across and says 2001 Pumping Test. At that time in 2001 the water level was at 666.

(DH) yes apparently at the end of the test. That was the lowest after 60 hours of continuous pumping at the highest requested rate

(ET) So we have been taking all this water out of this Well and it still appears to be somewhere above 690. So after all these years

(MP) it is still at that the 2001 static water level

(SB) better

(ET) I feel good about that

(DH) like Michael was saying if you look at the level above that where it says 2001 static water level that was the level that corresponded with the same pumping test. At the higher rate for 60 hours enduring that test it draw down all the way to there, but we have not been pumping the Well at its rated capacity. We have been pumping less at a lower rate; the withdrawal rate is at 1000's of gallons per day on the right hand side. The brown graph is the rate and we are the highest level we have had there between 2014 and 2015 was just over a million gallons a day, which is 700 gallons a minute and the pumping test was done at 1200 gallons a minute which is about 1.6 or 1.7 million gallons a day. So it is a significantly higher rate during the testing. The goal in the test is to stress the Well to the highest level that you think that you are going to use it to prove that it will be sustainable at that level.

(PM) just two take a ways, the Well prior to now was being operated with no changes to it, in other words whatever the gallons per minute it was set, every single day it operated regardless of climatology regardless of recharge regardless of anything. The Well has been off for quite some time and we brought the Well back online and we are now operating it based upon climatology, based upon static water level etc. so we will make adjustments, so if we are in drought conditions we will not stress the Well on purpose at a certain gallons per minute. The 700 gallons per minute I think is very false leading because that Well cycles on and off based upon the tank. The pumping level was set at 1200 gallons per minute and right now it will shut down.

(DH) so that is a daily amount

(PM) yes that is a daily amount, not necessarily equates to gallons per minute, we have it turned back to 900 gallons per minute, so we have cut it back by a third, or a fourth, just to see what is going to happen and instead

of running it 4 days a week, we are running it 2 days a week. So we are going to take a 30 day period a 45 day period and look at it. We are coming into Spring when we have wet weather and see what happens if we can bring it back on for 3 days, that's great. then we can give some of the other Wells a bit of a break, but we are now going to be reactionary as opposed to this is the way it goes no matter what the conditions are.

(MP) so share with me if you would please, what new information that was provided through this report, do you have that helps answer the question that was raised in your mind about this Well.

(PM) the new information that I have is I am greatly relieved that both Dr. Feeney and Brendan independently came up with the same conclusion. That to me was a huge sigh of relief number 1. Getting down to the nuts and bolts I am greatly relieved to hear from both of them that the Well was not over pumped. At that meeting we sat in here there was a discussion did we mine the Well. In other words did we over pump it. The answer from both of them independently has been no that has not happened. That is a No, and that is another great relief to me. What I am learning is that we need to take a closer look at climatology, drought, history etc. and make adjustments to Well # 3 because it seems to be much more affected than Well # 1 or Well # 2. Recharge by climatology, so let's use a little common sense and if we are coming into a drought, cut back a little bit and rely heavily on the other ones. And if we are in a normal rainfall or a heavy rainfall let's just let it do its thing.

(MP) so this report is going to help you, nuance and finesse the management of these sources

(PM) absolutely, I was quite concerned that we had over pumped it. I really was, and my concern was have we now gone from a 1.2 million gallon per day Well to a 400,000 gallon per day Well. That was my biggest concern. And what I have heard from two different experts independently is no that is not the condition. Let's develop a plan so that we do not over pump it, so the plan will be let's look at precipitation and let's make adjustments as we go and let's balance the system and give relief to the other Wells when we can and when it is warranted and let's lay off it a little bit when it is dry.

(MP) excellent, so when was the last time that we talked to Dr. Feeney?

(PM) I have not talked to him in quite some time; I have been part of the email tract, the email tract probably stopped about 10 days ago maybe on this one. We can all get together again if you would like.

(MP) I hate to use a person's time that way, I think I can communicate with him, okay good news now I guess we are on to Well #4 that will go on in executive session.

(DH) Well # 4 I don't have anything new to add there, just reporting a status that I know that Forest has been discussing with them. A quick note on UBP phase 3 Water line construction is under way we have been doing periodic site visits, actually Brian and I stopped by there earlier today and looked at it. I think that the water line is half to about to a little bit over half installed. Number 6 we are still waiting on the NPDES permit application, the report is that they are understaffed and overworked. DEP chlorination change at the treatment plant, we are waiting for comments back from DEP. We did get a new comment back from them on Tuesday the 7th. We are working through that issue. It has to do with more data that they want from us. I think we can work through that, so that is still an ongoing issue. Possum Hollow is on the agenda in another place, so I will defer that to discussion at the proper time. SBA Well #1 SRBC docket renewal, in your packet is there is a page and a half scope of the items we believe we need to do to help you gather data. It is a similar effort that we went through on item 1. But it is actually a little bit higher level of effort, we look at more data to try and eliminate getting a waiver on doing the aquifer pumping test. That is a 72 hour test that SRBC makes people do to get a new docket. The hope there is we don't have to do that. The scope is there and the estimated amount of effort is based upon the number of hours we believe it will take to get that work done. We are willing to answer any questions that you have on that issue.

(MP) So do we put this on an agenda item and have it be an action to go forward.

(DH) We think that you should go forward with it at some time real soon.

(MP) I remember that discussion about it says 2020 but there is a lot of work and it goes very slowly.

(DH) keep in mind, this is an effort to do the initial gathering of information to try and determine whether there is enough data in the system to support a waiver to the pumping test. if we think there is then there is an

application that goes into SRBC requesting that waiver and they have an action on that waiver, yes or no. if they say No you can't have the waiver then we have to arrange for the pumping test and there has to be a testing plan drafted and approved by SRBC. Once you have the test data then you have to do the application to renew the docket. So there are a number of steps you have to go through and this is just the first one. It is just the nature of the beast unfortunately. Brian has been through quite a number of these with a bunch of his other clients, I think he will support and be able to answer from an experienced standpoint what he has seen from his other clients. It is not a simple process and it takes a good bit of effort. We stand ready to answer any questions on the scope, it is very straightforward and similar to the amount of type of effort that we did on Well # 3, but it is more data. Brendan's comment to me is there is a lot more data to handle so it is a little bit more effort. If anyone has any questions, or depending on how you feel if anyone wants to take action tonight or you can put it on a future agenda.

(MP) I think we should put it on a future agenda and I would ask everyone if you haven't already to study the document and let's call each other and make sure we understand what this document is asking for and that we can have it on the agenda for next time.

(BK) Would it be any help to have it in writing what Dennis just shared? And what the process is for SRBC, would that be helpful to you? All we gave right now is the scope for this first project.

(DH) We did send them a 3 or 4 page document, and I could refresh that if you would like me to resend it to you.

(MP) if you could just send it out email and it can be part of our study

(JE) Dennis are you referring to because number 2 of page 2 says the SRBC permit is not included in this.

(DH) right this is the first step in that process but, what we are trying to say there is this doesn't do all the effort necessary to get the permit. There will be these steps 2 and 3 after this. We want to be as up front with you as we can, and be sure there is no misunderstanding on what we are doing and there will be additional effort.

(MP) you want us to know that the SRBC renewal is not part of this work and that is a whole other issue

(JE) what is the total cost of this project

(PM) it depends what the first step is

(JE) we have less than 3 years,

(PM) understood and it could take 1 to 3 years depends on

(JE) that concerns me, we have three components to this and we should probably get estimates on all three

(PM) well you don't know what 2 and 3 are going to be until you get the results of 1. you could have 20 things come out of 1 or you could have 3 things come out of one.

(JE) so you don't get to 3 without 1 or 2

(DH) keep in mind that Brendan looked at this process and last year, said that you probably should get started on this beginning of 2017 and that should give you enough time to get through it. I think the prudent thing now is to take that advice and move forward

That is it for my report unless there are any questions

(MP) Any questions for Dennis? None? Thanks for a good report.

- b. **Solicitor:** (FM) I think most of the items that I dealt with this month are included on the agenda or in executive session or in the regular meeting. I don't have anything else to report.

(MP) very good thank you, any questions for Forest? None.

- c. **Water Dept. Administrator** (PM) Rules and Regulations, Steve we still need to get together. If we could come up with a date that would be great because things continue to pop up.

(SB) Let's do it tonight

(PM) that would be great. We got our 2017 monitoring calendar from DEP, when we have to all go on out and collect our samples, everybody knows it and we have got tentative dates set for sampling for the entire year. Gunter Valley, we had to replace the water heater at the plant. Because it has to be located in where the fluoride pumps are, we all know that fluoride is very corrosive and it is only about a 3 year old water heater, so

we got a new water heater. I think I mentioned before the meeting John and I attended the Franklin County General Authority meeting on January 25th. We were very well received and we stayed for the entire meeting and we heard some pretty interesting things. They were very receptive to us being there and very receptive to us continuing their dialogue. We did not hear anything startling as to what may or may not be coming down from DEP. But if there was perhaps they chose not to air their dirty laundry. They did air two things that they have issues with, but they are not operational with the water plant. They are administrative issues. We feel that we will continue to stay in touch with them. What we heard from that meeting is they more water than they have customers. For us, that is most likely a good thing. Myself and Darryl Dubbs and Mike McGee of the water line crew went over to visit the guys over at North Middletown Water Authority to gain some insight as to how they do waterline repairs. And we were fortunate or unfortunate enough to be invited to an active leak repair. So we got some insight on there. In regards to water leaks, there have been quite a few discussions as to what is appropriate and what is not appropriate. We developed a draft standard operating procedure a SOP, we met with the entire water department, minus Wayne because he couldn't leave the water plant. Last week John and I sat down and met with them and our 30min discussion turned into a 2hr discussion and it was a very positive and very helpful meeting. Where just about everybody around the table had comments and participation and asked questions and we discussed everything from what DEP standards and requirements are to how do we respond. Do we have safety equipment do we have flaggers, do we have the equipment that we need etc., etc. It was very well received; a lot questions and discussions came out of that. John and I are in the process of researching and resolving and they got some homework to do too. So we will probably get back together again maybe the end of this month or the beginning of March to more or less finalize it and answer their questions they can answer our questions and keep going. This was a really good positive thing, we will continue to have meetings with the crew like that to discuss possibly things like valve operation and maintenance, hydrants was brought up and etc.

(MP) let me comment if I may, on how unique that meeting was. I have been on the board 5 years and I have never heard of the team being brought together and addressed to bring them education and also to allow them to have a chance to have some conversation. We all know that they know things that you can't possibly know, or John can't possibly know or any other foreman possibly know. I just want to congratulate you and encourage you to keep it up, because that is good for them. I imagine they must have left feeling much more engaged with their work then when they came in. Excellent, keep it up. I would be pleased to be invited to attend, just to let them know that we like the direction that things are going in.

(PM) we had the three leaks, and I think we have actually had more than that. I am in the process of one of the things that came out of the meeting, are that we need a better way of tracking our leaks and how much water we think was lost. I am working on that. SCADA system we are working on as we talked about last year we have some improvements that need to be done out at the water plant. One of which is new chemical feed pumps. We got a quote for that we are encouraging the supplier to be registered on costars so that it makes it much simpler for us to purchase this. However, having said that the equipment that is out there now is very outdated as we know. It is not capable of being integrated into the SCADA system without a lot of effort and effort is expensive. So the new pumps we are looking at are almost plug and play into the SCADA system. So I have spoken to your SCADA consultant to be able to make sure that there are enough panels and slots in the SCADA to do that. And if I am speaking Greek to you, I apologize SCADA is a remote control system. I could take you into the office and I could maybe show you that where you see the whole system on there. The goal is to make the system less manually operated and more I can see what is going on up here and if I need to make a change I can make it on a laptop or make it on an iPad or something so that a person doesn't have to physically be there and turn a pump off or on. So the chemical feed pumps will be integrated into the SCADA system so that it is less manual and more automated. Timber Hill Tank we received a recall notice on one of the components, the lock mechanism on the safety ladder both interior and exterior ladders. We are going to request those replacement parts and certainly are not going to drain the tank to put a safety ladder on. We

don't see having anybody having to crawl down inside the tank at this point in time. But the next time we would be doing inspection cleanings, etc. on that tank we would have the parts available that the contractor could then install them. Just wanted you all to be aware that there was a safety recall. DEP reminder that our first payment to DEP is due the end of the March. I know we could bring this up next month I just wanted to get ahead of the ball. We have already talked about Well #2. Our LT2 testing continues and so far no exceedances. I think you emailed you all the HAA5 samples, trying to keep you all in the loop and less things to discuss here and more things to push out to you. Everything is going along well there. Dennis already discussed the Gunter Valley changes that we are going to be making and the back and forth with DEP there on the chlorine relocation. Drought Watch continues but things are better, we are still in a drought watch. However, Franklin County General Authority, whom we get the water from Gunter Valley from, has taken off their mandatory restrictions. So that is very good news, continuing, EPA UCMR4 unregulated contaminants monitored reporting period 4. It is a program EPA has with water systems to look for things that have not been monitored in the past. Make a long story short; it will start up again in January of 2018. We have to go through a web platform registration. We have successfully done that, and I have registered Rick Kelley and I since he will be the one collecting the samples and providing the information to attend a free webinar. We will sit in here, my office or somewhere and we are going to watch the webinar and find out more from EPA on what we have to do, so that is coming up in April. Well # 3, I think we have talked about that and I don't want to discuss that anymore. I do want to thank Brendan and Dr. Feeney; I just can't tell you how happy I am that they both independently came to the same conclusion and that the results show that the Well is in decent shape. Rick and I sat down over, and over and discussion operations and how we will definitely be watching this. I had to laugh, because he calls me almost every day now and says, okay, here is where we are at. So we are watching the levels of the Well. Talking about Gunter Valley and improvements that we have made, the new turbidity meters have arrived they are installed and are in the process getting them integrated into the SCADA as well. Fluoride analyzers, we have not yet purchased them yet, because as we discussed in the past, we do not like the Hach products. We went over the operators and I went over to the New Cumberland Plant at Suez and they told us, and I won't repeat the words, but they were not pleased with them. They made a recommendation of a different brand, we like that brand, that brand is not registered on Costars, but the vendor is in the process of doing that. I just talked about the chemical feed pumps, that vendor is also looking at getting registered on Costars, which makes our life easier. All of the reports for January were submitted through either DWELR or GreenPort and all of the 2016 reports except for one that DEP has to send me, and I have not received yet and your CCR which they also have to send me that one is due July 1st the other one is due the end of March and I am waiting for DEP to send me the form, because they are being revised. So at this point all but the two items that I am waiting for from DEP have been submitted for 2016. Developments, water line service extension process. We talked about making some changes to that, Steve if we want to add that to our list that would be great. The Byers Farm that is an agenda item, for those of you who aren't familiar the Byer Farm butts UBP and guess what, Matrix purchased it and wants water, so we will talk about that in a bit. Dennis already said that UBP phase 3 is continuing. We met with the developer S&A of Deerfield, we had a lot of issues if you recall at the last meeting about problems with abandonment and redesign etc. we have got them worked out and we are waiting on one more submittal from him. So that is good.

(FM) may I ask you, they didn't receive any approvals from the authority

(PM) yes, they did, they provided us correspondence from prior folks in writing that gave them approval.

(SB) we did look at something at a meeting, on this, I don't think it is what we would have wanted to do. But we were presented something that there was going to be changes coming down the road.

(KB) was it the prior secretary or the prior foreman?

(PM) borough manager

(KB) prior prior secretary?

(JE) it was not that far back, it would have been 2015

(SB) we have had a couple presentations of this while I have been on the board.

(FM) I don't remember having any

(SB) small, something like they were going to abandon part of a development and move pipes here

(JE) yes, they were getting away from a lot of the townhouses and create single family lots now. Which means that they have an abundance of taps they do have an approved demo plan, they provided all the copies that they had received.

(PM) installed

(JE) we couldn't find anywhere here.

(FM) I remember they talked about it, but that was when they came out of bankruptcy and these people bought it and they actually came to the authority meeting.

(SB) there was a meeting that they wanted to do it and then there was another meeting that we discussed it too.

(FM) they also wanted to do away with single family housing and build student housing out towards Rte. 533, which never happened

(JE) that is where all the townhouses went away, Forest, the road that parallels Rte. 11 they are all single family lots now.

(FM) I don't remember them ever coming back here and saying that they were dropping the townhouses for single family homes

(JE) they have a demo plan, it is actually a very thorough plan, where they show they are abandoning this and then they create 2 or 3 additional services because of the configuration and that includes the additional lot more northerly

(SB) are you sure this isn't like Gandy Manor, where they came to us and said we are going to be doing this and then they went to the township and changed the plan and never came back to us?

(JE) didn't we have approval letters with that packet

(PM) He gave us an approval letter from here

(FM) did you check the minutes?

(PM) I did not check the minutes

(FM) I don't ever remember the authority, and I am getting old.

(KB) We would have all been on the board except for Angelo, in 2015 everybody was here

(SB) what I will agree on is I don't remember us doing it the right way, I don't remember us going through the process and making them go through what they are supposed to go that should be in our rules and regulations. I do remember the conversation about they were going to change it and I remember at some point being presented that they are changing it, but I don't remember directing someone to send a letter.

(PM) I think it may have been handled by staff as opposed to being brought to the authority. That would be my guess.

(KB) but for it come from the water authority secretary, which doubles as the borough manager.

(PM) that is who it came from

(KB) it would have had been a directive by us? it would have been Lance or Nicole as acting Manager. If it was done directly from her staff it wouldn't have gone to Lance.

(SB) we can see from the date of the letter who it was sent from and basically go back a couple meetings before that and check the minutes and see if there is an action in there that makes this thing legal.

(JE) they were very, he wasn't hiding anything, he brought copies of everything and said listen we thought we had this approved and we didn't think we had an issue. Because we sent him a letter that said, since we haven't heard from you don't come asking for anything.

(PM) it wasn't a friendly letter

(JE) so we can research it

(PM) we have been notified by Dollar General that they want to start a construction, but there seems to be some issues as to who is doing what with shop drawings. The contractor said the engineer is, the engineer said that the contractor is. So they have been told they cannot bring materials on site until Shop Drawings are approved.

Speaking of Gandy Manor, we received a plan you will see this on the item for Phase 1 building 2. And we could probably sit here until 10:00 and talk about this. I would choose not to do that. I would like to say is, there are issues, there are multiple issues and it would be my opinion that we do this right. And by us doing this right, they actually came in to pull a permit for it and that is not happening. The plans are incorrect and there are other in corrections. They did not show, and actually I researched those minutes and if you recall September 22 at 8:00 am we had a meeting in here and the developer brought in his attorney. There was hours of discussion, one of which resulted about abandonment of the water lines. The plans that were brought in and the motion that was made said that the developer shall work with the SBA to come up with an abandonment plan.

(JE) that hasn't happened

(PM) didn't happen in the first building because nobody knew what was said and who shot John and everything else that went forward. But now let's do this right. There is no plan for abandonment they have not submitted that.

(FM) Wasn't there an issue with the darn thing is?

(PM) We resolved that one,

(MP) we know where it is now

(PM) we got that one fixed, we said you are not going here,

(FM) wasn't it in concrete or something

(PM) that is because that is where they wanted to tap into, why not move 30 feet down where there is not a problem and that is what they did, so that problem was resolved with the first building but there is no plan to abandon that line, there are details missing and there will not be water meters inside the houses and the curb stops will be more than 18 inches from a building so we can turn a valve for goodness sake. You may hear about this, and I think John and I don't want to belabor this discussion, but John and I have talked about this and this one will be done right.

(JE) he is not moving forward until he completes what he promised what he would do, by the motion of this board that went well out of their comfort zone to allow things to happen

(SB) yes, we were more than accommodating last time because there might have been some issues.

(PM) that is all I want to say I don't want to get into all the items, but you may hear discussions on this.

(MP) you folks are on the front lines and we want you to do this right and we will stand behind you as you proceed.

(FM) you do need in accordance of the procedures of the authority to create a project

(PM) that is on the agenda, next item is the Possum Hollow and that is a separate agenda item and the last item I have is water forgiveness. We had one at the last meeting and I will keep to the particulars because there is sensitive information in here

(JE) Peggy we do have that as an agenda item

(PM) okay then I will be quiet. Okay that is all I have thank you very much!

(MP) any questions for Peggy?

(KB) I would just like to say, and I know Mike mentioned this. I want to reiterate how improved I feel and much more confident I feel even before we even knew necessarily what the entire itinerary what was going on prior. I feel much more confident with the system is running the way that you are working with John. The way that you are working with the water authority employees in general I think it is just great. Dennis, Rettew has always done an amazing job but I just think the line of communication between you and Mark. I can't remember ever sitting in these meetings and hearing, I am working with Rick, I am working with Wade, and you just didn't hear

that. and it has given me a lot of confidence so I appreciate that and I am sure that our water authority employees also appreciate it.

(PM) thank you

(JE) they do, and I certainly do, because of Peggy, things happen just like that August and when she stepped in, she stepped into the hornets' nest. She does such a great job.

(KB) and you did the same thing too

(JE) I think Peggy and I make an awesome team. The guys have the utmost respect for her; one comment that was made after our two hour meeting was one guy said I didn't want to come to this meeting I thought it was going to be a very unpleasant meeting. He said that he was leaving here more confident and more appreciate that I know now what I didn't know two hours ago, that I should have known since 2007. It was great and they all responded, and at the end of the meeting everyone was smiling and having a good time. And I have to say Peggy was the one to instill that in them, because I don't get the time to sit down and do that, but she has taken that time and it is absolutely necessary. The guys have to know that they are appreciated and have to know that we got their back and we told them that Kevin and I are now on their callout list for backup. They need to know it is just more than them it is all of us.

(MP) thank you for those words, it is great to have such a thorough report.

WWTP Manager (JE) I will be glad to answer any questions. I can give you an update. We are nearing the time when we need to be at substantial completion for the plant upgrade. There has been an ongoing concern, and I believe I have mentioned it before. With the amount of debris in the water as it comes into the plant, the screens that are supposed to filter out the hair and all the nasty stuff before it gets to the tanks, those screens are actually larger than the screens within the tanks; you can almost imagine immediately what you see. You get a blinding of these screens and this is all new design. The cylindrical screens that are below the surface you can't even see them. But when you drop the tanks down they are just inundated with debris, the top of the wall screens are the same way they are blinded almost to the point of, we have a pitcher where there is water up against the screens and they are so blinded that just some water is trickling in from a few areas. This was obviously a concern, the current engineer is saying that you are not giving it a chance and you need to let this run, put the media in and there is a piece of media here. This is media, now this is much larger than what we are using this is the largest media you can get. This is not what we are using it is just shown as an example at one of our meetings with CFJMA. But there are millions if not billions of these things that have to go into our tanks. This is what went floating down the conodoguinet creek and the engineers are saying just put everything in and let it run and we are confident that it is going to run. But we still haven't put that stuff in the tanks yet and the next two tanks are going online very shortly. And Lance is absolutely not in favor of putting media in these tanks because we have already seen a rise in the level of the liquids to where without even the media in it, the level of the liquids has gone to 4" which is only a few inches below the actual height of the wall.

(KB) ultimately, I think the media was a large portion of why we had the failure several years ago. I can't say that I blame him.

(JE) That fiberglass wall for some reason somebody thought they would hold in millions of gallons of liquid. So here is the situation we are at a point where we need substantial completion as per our COA with DEP. The only true solution that we believe will ensure to the best extent possible of no failure is to do additional head works, which is another screen to be installed in our tank where the inflow is, where everything comes in. That has a significant price tag about 1.1 additional dollars.

(MP) this could be the first screen that is encountered by the fluids coming in.

(JE) the existing screen would go as a secondary screen as a backup, but this new tighter screen would be the primary, we anticipate that it could fit into the existing building with some modifications; the roof would have to come off for installation. It is a pretty significant

(MP) Who pays?

(JE) that was discussed, CFJMA is a significant partner with the SBA and the Borough.

(SB) and you still have a contract with Schreiber on this whole thing

(JE) yes and that is supposedly being worked on through the attorney. Anyway, they are picking up CFJMA is going to pay half the cost of the screens

(FM) that's generous

(KB) it seems generous, but in all reality when this plant is complete, they have more capacity than the borough

(JE) 4.95 million gallons of capacity

(FM) I know but if I were they I would say we didn't do this, you guys messed this up and now you fix it.

(MP) so the borough, look we own this property and we have to be, I want us to be apprised of what happens at our property. So it sounds like you folks are on top of it, doing what you should do.

(JE) it has been a battle Michael, we are now working with the engineer because there were engineering

(KB) is it still Hazen and Sawyer?

(SB) and we still have Pact2 as the developer?

(JE) the contractor, we had GHD do the preliminary engineer review to see if we could add additional screens within the existing building. GHD was the original engineer who designed all that from the ground up and they know the plant very well. And they have all the construction plans and the building design. So we asked for an independent report and they said they believe they can retro fit it without any problems. Without having to build another building and then we went to Hazen and Sawyer and asked for an estimate of what it would cost. Instead of doing that they wanted to do pre analysis for \$40,000 and tell you whether or not if you should do it there or demo the tank that is holding the now recaptured media. Demo that entire area the whole tank and build another building and try to cross under all that infrastructure to the headworks building.

(KB) the whole reason that they were brought into this in the beginning was to rectify. I don't even know why I am discussing this because it is not an authority issue. But the whole reason as to why they were brought in was to rectify the situation that was screwed up by the prior engineers. So now they are saying to rectify the mistakes that we should of caught two years ago, we want to charge you an extra \$45,000?

(ET) it is going to get worse, I have a feeling

(JE) well we told them we don't want a pre assessment; we want you tell us what it would cost to retro fit the existing building. Now they won't even give us a cost, as far as I am concerned, if I had my way I am getting GHD in there and that will be the end of it. But Hazen and Sawyer has agreed to pay a percentage of the issues that we have had additional costs over the past year, over what I believe are engineering oversights. And everybody else in the committee will tell you the same thing. It started from the time they designed blower pads underneath an electric powerline. That you know you need a crane to put them on that was strike 1. So we had paid \$20,000 to relocate those power lines. Then the blowers were too big for the pad, because they put out for three bids for blowers designed for the smallest one and got the lowest bid for the biggest blower. So now we had to add concrete. Well even still we had to turn the blowers to get them to fit on these pads, now we got piping that is doing this, because you are out there cutting and welding and piecing it together. We presented them two weeks ago with a list of items that we believe that they are responsible for and they have accepted some responsibility.

(KB) I apologize to everyone for getting us going about wastewater

(SB) no it is okay, we own the plant, this is something we should know that there is an ongoing issue.

(JE) we believe that headworks is the only true way to ensure that these screens will not blind creating a catastrophe for the third time, which we cannot absolutely happen, everybody is so gun shy, everybody is very nervous we want this high tech state of the art plant to go online

(KB) at this point I don't think it is so much that they want it, it just doesn't make sense to not we are so much almost there.

(JE) the borough and CFJMA are on top of the situation and we will ensure that there will be no failure to the best extent possible and that is through headworks

(SB) you have my support to hold accountable anybody that needs to be held accountable. We were supposed to the first plant like this in the state and 7 years later we are still sitting here with a plant that doesn't function.

(JE) South Middletown is online with their iFast and they are having no issues. GHD did all their work

(ET) isn't that where Lance came from?

(JE) Yes, Lance left here ...

(KB) the problem is in my belief and I think the people have slowly started to catch on to this. What we did was try to retro fit a plant instead of building a plant from the ground up. And whenever you try to retro fit a plant from 20, 30 years ago

(FM) 50

(KB) that is the problem that is the reason why this has turned out so badly

(MP) In my opinion, only if the engineering firm who does that says to you, okay we will do this but you have to understand. You are retrofitting and that may not work.

(KB) we had two engineers and both engineers, have both said, not a problem.

(MP) then it is on them

(KB) you would think

(SB) we had issues with the contractor too, and the contractor originally when we gave them the bid there was another bidder that was \$100,000 lower and Pact2 had multiple issues with litigation. And I was just poo-pooed. We can't go with that other company from Harrisburg that actually has a good track record and pay them an extra \$100,000.

(KB) the issues that we ran into liability wise were not with the contractor it was absolutely engineering. The contractors were just doing what they were told to do by the engineers.

(JE) we went to DEP because the COA gives us the deadlines when we have to be complete. If we have to delay because of the headworks which we are going to delay we had to go to DEP. I just spent a lot of time on Elmerton Ave lately. We went down and talked to them about extending the time line for COA they are happy that they are looking at making the plant even better and safer so they are willing to modify our COA to extend the time. This is great news, they are pleased and our attorney was there and their attorney was there and she said that she didn't see a problem with it. We are amending that and we are going to NOT install the media, we are going to do everything else, the plant will go online and it will still be a BNR plant it just won't be a 4.95 million capacity plant until the iFast is complete. We are looking at roughly an 18 month delay for design and construction to the time that the media goes into the tanks. We are top of it another delay it is just one of those things you want to check off your list but you can't. It is what it is and we can't risk it. One more thing, we are working on the addition of another bio solids pad for stacking the bio solids. That is also a cost between CFJMA and Borough split. Actually I think it is a 60/40 split, I think that is what it is. The plans have been done and it is going out to bid if that hasn't already gone out to bid. That will give Lance more storage area because we have been creating emergency storage pads on the ground. Getting rid of bio solids at the landfill is extremely expensive. So we have been trying to delay and we have been very fortunate with the weather this year so far that we are actually able to get out with the bio solids and spread them. Lance has also made some significant advancement on drying out his bio solids; there for a while they couldn't even get 3 foot of stacking because of the moisture, now he is getting close to 6. It was talked about do we go ahead with the bio solids pad because of the headworks everybody agreed that we are going to continue with that too. Big things are happening at the waste water treatment plant

- d. **Secretary** (JE) I have a few things other than the agenda items. Tomorrow our guys are going through flagger training here, in this very room tomorrow morning. We are going to have an updated flagger certification which they absolutely need to have if they are out directing traffic. I think but all of the two of the water guys can make it, Wayne and Mark won't be here. We are doing that because that goes hand in hand with SOP and dealing with traffic if we have to divert traffic or stop traffic. Gandy Manor, Peggy has already hit on that and we can talk more about that. Rules and Regulations Committee, I already talked to Steve, I want to bring

something up to the SBA, if you recall special rate district 10 lots 1D and 6 where not subject to the special rate district but they agreed to pay \$150,000 per, which was \$300,000. Well we created an invoice and sent it to Matrix and to date; we have not heard one peep from them or received anything from them. They were invoiced 10/9/16.

(ET) they were supposed to pay that the end of January

(KB) that was a different fee

(JE) we have not heard anything about this

(SB) for \$300,000, what did our contract say that they would remit it, wasn't there a certain timeframe written into the contract?

(MP) I am sure whatever the timeframe was we are beyond it now.

(SB) I am just asking what the contract says, just call and tell them they are out of the contract time period and ask then what are they going to do.

(FM) that or send them a letter

(MP) Forest why don't you look into that agreement and send them a letter and tell them they need to pay it and also it is going to relate to another item on the agenda here. That is good information for us to have and have it on the record that it has not been paid to date

(JE) I just wanted to bring it to your attention, and here is a copy of the invoice, Forest. I have some information here for you; it is just a cost comparison by Dr. Woltemeade it shows the residential water billing comparison for other places, you can see our customers certainly get a great deal. It is pretty amazing numbers when you look at them.

(SB) it is amazing numbers considering the amount of revenue that we put back into our holding fund every year from our rates

(JE) he emailed it to me and said I could share it with SBA and you can see the comparison of the difference between PA American Water and what they charge and what we charge. It is a substantial difference. I thought you would all find that interesting.

(SB) Camp Hill they haven't been PA American Water that long

(JE) this is very current it is up to this month. I didn't give to you for any discussion, just information.

(KB) I was going to say, did Chris mention as to why he was passing this on?

(JE) I think they were doing some work in his class, and this was sent to me from Andrea just because it would be interesting to you and the SBA, if you want to pass it on please do. It wasn't that they were doing it for any specific reason but apparently a class project. That is all I have

(MP) any questions? none

5. Business items:

a. Southern Cumberland Water Association Project/Update (still waiting Info from SCWA)

Executive Session

b. Lurgan Booster Pump Station Project Status/Update

Executive Session

c. Possum Hollow Road Project Status/Update.

(SB) short version we are waiting on permits from Southampton

(JE) not any more

(DH) We are ready to go to bid. We are intending if everything goes well to do that tomorrow.

(KB) so we received the permits from Southampton Township?

(JE) yes, picked them up last week

(DH) I need a copy of the agreement; I need to be sure we incorporated everything we need into the agreements.

(JE) Michael has signed them I will give you a copy before you leave

(KB) so you are thinking how long until the bid packets are ready?

(DH) the current invitation, I am planning to upload it tomorrow. That assumes everything goes well and I get all the information that I need. So that is my intent if not tomorrow then it is the next day.

(MP) terrific

(DH) the current invitation

(FM) I owe you an answer on the one piece

(DH) yes, and I need that for that one package

(FM) I will have it to you in the morning

(DH) there has been a lot of little things going on everywhere, now we are trying to gather them up and be sure the brown documents have everything, all the permits all the things in the agreement there is a few things that Forest is going to get for me those things are needed so. My current invitation shows an opening on March 21st, it is a Tuesday. Pre bid conference two weeks prior to that on March 7th this will be uploaded to Penn Bid and I think what we will probably do is to advertise it in the Sunday paper, this coming Sunday.

(PM) should we have discussion then of the authority on March 21st, we should look at what our April date would be for meeting and do we have enough time then to make a recommendation for the April meeting.

(DH) my hope and this is something that you will all have to decide, because of the urgent matter that you might even consider a special meeting. If the bids come in without controversy that recommendation can be turned around in probably less than a week.

(SB) When would suggest us having a meeting?

(DH) I won't know absolutely until we see the bids,

(KB) Do you want to make that determination at the March meeting?

(DH) yes that would be good

(KB) March 14th would be our next meeting

(DH) Let's discuss this at the March 14th meeting and we will come up with some tentative dates and see how things are looking.

(MP) we can have a special meeting as needed, but from what I am learning, you won't know what the right date will be until after you get the bids

(DH) there are a couple of issues I want to bring to your attention about this, number 1 somewhere along the way fairly early in the design process there was some discussion at one of the board meetings about offering to install services to residences along the way during installation process. So that is something not necessarily for free or anything. To make that available if somebody wanted to do that and pay the bid price or whatever, they could do that.

(SB) are you talking about not the people we have easements with? That we offered, you are talking about the other people along the line

(DH) just people along the line that if you wanted to allow the contractor to bid and prices for installation of services for the tap over to the property line while the trench was open that it could be done at that time, at whatever price you decide, whether it was at cost or however you wanted to do it. There was some discussion about that and I just wanted to be sure whether if you still wanted to try and do that or not do that?

(KB) why wouldn't we? What would be the negatives?

(FM) I can go out and ask them

(SB) there aren't really any negatives, you would have to send them a letter and tell them about this opportunity to tap on

(FM) there are two residences, where we actually have an easement on the property, one easement the chambers easement we have a fire hydrant, he may or may not want to tap and our arrangement with those people that gave us an easement we did the tap at our expense. We figured hey we are not paying them \$10 a foot or we are not paying them for the easement so that was the quid pro quo. The only other one I could think of that would even be interested would be Furland Martin, he has the stone house that sits pretty far back. My guess is that he would not be interested but if you want to contact him that would be on the authority. The rest would be hey do you want to tap on this is the fee or this is the cost

(SB) There are some houses and a church there that they are going to be passing with the line

(KB) I don't see any reason why we wouldn't do that

(MP) I think we should, sure

(DH) so what we will do is we will put in the bid process, unit price for certain number of taps with the understanding that the number won't be determined until people sign up. One caveat to this is to understand, remember right along Possum Hollow Rd, if you are coming from Mt. Rock you come up until you make the bid turn, and there is a section in there that is very heavily residential, we brought the water line out into the road.

With the water line in the road, after that water line gets built and asphalt put over it, it is going to be very difficult to connect into that line, so I think we need to make it very clear

(SB) so in the letter it should be that if you do find yourself at one point wanting to tap onto the public water system you should do it now,

(DH) do it now or forever hold your peace because it is going to be expensive

(FM) the offer is while the line is open.

(DH) exactly, we need to upfront with the people because it is going to be difficult once that happens. The other issue that we want to consider is there are a number of places along the waterline, where there are private wells within 50 feet or so of the trench. We have discussed in the past about the possibility of wanting to do some water testing against the possibility of somebody will claim that we ruined their well. Because of disrupting the ground close by their well and to avoid that we can go in and do preconstruction testing of probably chloroform, total solids and turbidity. And say here is the preconstruction, so if anybody comes with a claim we got a baseline that says; here is what it was before can you show us that we did something.

(FM) their claim is going to be that their well dried up, because you blasted in front of their house

(DH) I don't think there is going to be blasting allowed

(MP) this is a SOP, Is this what is normally done when you dig into the ground like that?

(DH) it is really your choice

(MP) What do you think the cost is per?

(DH) I don't know what the costs of those test are, I don't think that they are a lot of money

(PM) you did chloroform using your lab here, Franklin County Analytical, chloroform, turbidity and TDS are probably less than \$100 per house

(MP) yes, I think that would be good insurance for that price

(DH) Brian and I actually drove the line this afternoon, before the meeting and tried to identify where we thought were obvious wells and how many there were and there were probably 7 or 8 within 50 feet. So we could target those and the way to do it would be send them a letter saying we would like to come by and collect a water sample on such as such date.

(TP) so the SBA is doing that or the bidding contractor?

(DH) we would do that

(PM) we would outsource it to somebody

(FM) why don't you just have our staff go out and collect the samples and then send them

(PM) my concern would be of course the number were great your staff collected them.

(DH) I would want this to be impartial. There was a schedule; the projected completion date is still August, the last week of August. One thing I didn't factor into this schedule and I may want to adjust for and I am still thinking about it is the caveat in the contract that there is supposed to be no work during the week of the fair, when I determined the length of the work.

(FM) when are they starting it

(DH) this would be May through August

(PM) When is the fair?

(ET) fair is the last full week of July

(SB) who wanted that caveat?

(DH) the previous foreman

(SB) I mean you are not shutting down the whole road.

(DH) I think the feeling was there was a lot traffic along Possum Hollow Rd at that time and it would cause disruptions for the community.

(SB) there is but, I don't want to lose the best bidder because they have to lay their guys off for a week and they have to find something else for their guys to do for a week

(DH) that is fine, I am glad I brought it up

(MP) pardon me, I missed the beginning of that, so this is written in a contract somewhere, from where and to whom

(DH) it is right on the drawings that there should be no work during the week of

(FM) who made the drawings?

(ET) but you were told to put that in there, by our water foreman

(MP) is it a big deal to remove that

(DH) I would be glad to remove it, if you like. I operate at the wishes of the board.

(MP) then yes, remove it
(FM) well, that wasn't a wish of the board.
(SB) maybe he thought he was doing the right thing
(KB) the right thing in what aspect though?
(SB) I don't know an emergency management issue
(DH) discuss the possibility of in that section where we are in the road, where we are actually digging in the road, of shutting that part of the road down, just that part of it while that construction is under way. It is going to be very difficult to maintain traffic when you are working right up to the center line with a track hoe.
(MP) I think we do have to be sensitive the fair does bring in a lot of traffic so I think we have to think this through, because you can't have them shutting Possum Hollow Rd down for hours at a time during that time. There is a lot of traffic that comes in and out of here.
(SB) maybe, there is certain hours that you have a lot of traffic
(KB) during the day when they would be doing construction as long as the road was open from 3pm on it wouldn't be a problem unless, Sat, Sun, Wednesday would be the only day, kiddie day.
(FM) the rest of the days are not crowded
(TP) craft day too
(KB) but even all of that is over by, kiddie day ends at 1? The only day that traffic is an issue, fair traffic is an issue during the day is Wednesday because of craft day during the day which is bright and early, 6am I think it starts and Kiddie Day. But the other days of the week fair traffic doesn't pick up until 3 pm
(ET) they actually close Possum Hollow Rd down themselves
(MP) from Hostetter
(FM) they make it one way
(KB) it is where they place their fire equipment, it is where they place their fire equipment.
(ET) you can get to the parking lot
(KB) but they don't even now, what they do is take you from parking lot A to parking lot B through parking lot, that section of the road is not even one-way, I think it is completely blocked down.
(MP) so it currently says that they can't work that week?
(DH) correct
(MP) so I think we need to adjust that, so they can't close the road from 3pm-7am
(KB) from 7a-3pm the road must stay open, the other way around
(FM) it can be closed
(KB) from 3pm-7am the road must stay open
(MP) and then we need to get ahold of Fair Folks and let them know they may want to put a detour sign to send people around Mt. Rock Rd that week
(ET) I don't think there is that much traffic that goes that way
(KB) No I don't, but Kiddie Day is a mad house
(ET) must people come in on Olde Scotland Rd or they come down Route 11, because that is where you see it bottleneck right past the bridge.
(MP) it is true but 81 brings them all in from the other side of 81.
(ET) they come down and go down Fayette St
(KB) and towards that little tiny road
(ET) people don't know about that way
(SB) not everybody lives where you live and knows how to get from 81 to that area of town
(MP) okay so just amend that note there,
(DH) we got to keep it open from 3 o'clock on during that day and not shut the road down, plus kiddie day
(KB) Kiddie Day is on Weds and Sat, it is two days
(ET) when do you think they are going to dig the first hole?
(TP) May
(ET) they are going to be done by then
(DH) no, the contract starts in May, but there will not be any dirt being turned until at least 4-6 weeks, most likely
(MP) June, July

(DH) it takes 4 weeks to get materials approved and shipped, especially 16" pipe does not sit around on a shelf. They got to put their submittals together, they have to get them approved and they have to order their materials.

(MP) John, why don't you make a note that we will communicate with the Fair Committee about this and give them.

(KB) who is the president of the Fair Committee? is it Fred Clappsaddle?

(ET) no, I think it is still what's his name?

(FM) Wyrick. The boring, remember you were going to tell me when the boring was, so I could tell my people.

(DH) as soon as I know what dates I will let you know.

(FM) I promised the people that we are boring on, that I would let them know ahead of time, a day or two, not six minutes when the drill rig pulls on. By way of background quickly, because it is foreign to you. They are going to do these borings, we needed to get a license for each one, and it is just three borings. We have the easement, my thought was well, and all of the sudden somebody pulls up on a boring rig and starts drilling a hole in their field.

(SB) there is nothing wrong with proper communication and letting people know what is going on.

(KB) it is a courteous thing to do

(DH) will do

d. Well # 4 Project Status/Update (executive session)

e. Water Forgiveness Request- rear of 112 Britton Rd- Ella Rideout

(MP) and the wish of the board is?

(KB) I am always in favor of water forgiveness

(SB) I am going to move to forgive a water bill, to grant \$918.50 to Ella Rideout at 112 Britton Rd rear

(TP) second

(MP) moved by Mr. Brenize and seconded by Mr. Pomeroy. Any further discussion?

(KB) the only other question I have is, do we know that this water leak has been fixed?

(JE) yes, I believe it has been.

(SB) I would think that probably Mark made sure that his brother's pipes have been fixed.

(MP) let's vote. We are voting for this motion for the water forgiveness of Ella Rideout at the rear of 112 Britton Rd. It was moved by Mr. Brenize, Mr. Pomeroy seconded, all those in favor, consent with an "aye" those opposed "no" no "no's" Motion carries unanimously.

f. Consideration to Establish a project for Matrix/Byers Farm (proposed 1.14 MSF Warehouse between UBP & White Church Rd)

(JE) you should all have pre sheets with that, 24, 25, 26. 26 being the generic layout of the building to give you an idea of where it is and what it looks like.

(SB) I move to establish a project for Matrix/Byers Farm contingent upon the resolution of the outstanding invoice for previous fee owed to the SBA.

(KB) that was invoiced on October 9th, 2016 in the amount \$300,000.

(SB) so moved

(KB) second

(MP) moved by Mr. Brenize and seconded by Ms. Burrows, any further discussion? For the discussion, I have a question if I may. So if we approve this project all we are doing is approving setting a place marker that expenses could be charged against, should we do any actual work, right?

(JE) we are not approving any EDUs or any hydraulic pressure, psi, it is merely setting up the project and get an escrow set up for it. And Dennis can start

(KB) there is no point in even discussing the project while we still have an outstanding invoice.

(SB) As to why I don't want to hold it up another month, if you send them that reminder and they give you the check two days from now then we can open this project.

(KB) no, we have approved it contingent that as soon as you get the money, this project is created.

(SB) so it gives you the ability to be like we will start this project when we get the money

(KB) if you get the check February 16th, then it starts February 17th; if you get the check February 16th, 2018 then it starts February 17, 2018

(JE) understood

(MP) and the purpose of my question was to illustrate sort of a converse of that, which is we don't do anything until we receive payment, okay

(JE) got it

(MP) very good, motion has been made and seconded, I think it is time to vote, all in favor consent with an "aye"

Those oppose "no", there are no "no's" motion carries unanimously

g. Consideration to Establish a Project for Gandy Manor, Phase 1, Bldg. 2 (building 1 complete)

(MP) anything we need to know about this John?

(JE) Peggy went over it pretty thoroughly in her report. There is already an escrow in place for Phase 1, so we don't need to wait for that, there is an escrow, we will have to review it to see if it needs replenished. But it is in place so we don't need that. But we want to create a project specifically for this so we can make sure that what Peggy went over with the water meters and water meter pits the shut off valves are more than 18"

(PM) abandon the other water lines

(JE) just to make sure we know that he has crosses his "t's" and dots his "i's" that is the whole reason why we are doing this.

(MP) good and what is the wish of the board?

(KB) I will make a motion to establish a project for Gandy manor Phase 1 bldg 2

(TP) second

(MP) any further discussion? let's vote all in favor consent with an "aye" Those oppose "no", there are no "no's" motion carries unanimously

h. Consideration to Approve a Reimbursement Component Payment in the Amount of \$21,937.80 to CVRDC for 53 EDU's paid for Lot 6 and Lot 7 EDU's paid for Lot in UBP.

(JE) CVRDC has asked for their reimbursement component for the taps for these two projects, 53 EDUs times the reimbursement component amount \$365.63 and then 7 EDUs by the same amount for the Lot 7 the first one Lot 6 at 53 EDUs. So Nicole provided me with this and she confirmed that this is correct and due to CVRDC.

(ET) so then that means Matrix paid,

(SB) Matrix paid for the taps.

(JE) yes, for these two, correct

(ET) so we got paid twice

(FM) no

(MP) no we got paid once and we just kick it back

(SB) we get paid for the, so they paid for the...

(JE) We collect everybody's due, then we distribute out what is due to them for reimbursement

(SB) So this particular so before we had the fire district, this area already had a special rate district on it and that special rate district a portion of that goes to CVRDC for the state and federal money they spent putting the 12" line in.

(MP) so they put the line in with dollars that came out of their coffers and so when someone taps on to it, they get reimbursed, so we collect it and we pay them back.

(FM) well, we keep 10%

(JE) yes

(MP) does that make sense?

(JE) Perfect sense

(MP) They paid for the water taps but they didn't pay the special \$300,000, so this part has been paid for and so there is no reason for us not to give CVRDC their \$21,000

(MP) Are you good with that Forest? Does is all look correct to you?

(FM) yes

(MP) What is the desire of the authority relative to item H?

(SB) motion to approve a reimbursement payment in the amount of \$21,937.80 to CVRDC for 53 EDUs paid for Lot 6 and Lot 7 in the UBP

(TP) Second

(MP) any further discussion? let's vote. Motion carries unanimously

7. Executive Session (Contractual Matters/Potential Legal Matters)

(MP) Let's go to executive session and do item 6 when we come back.

Entering into executive session 8:04 pm

Returning from executive session 8:48 pm

(MP) We discussed contractual matters as well as potential legal matters and also some preliminary negotiation strategies. We are back in regular session and we are going to move on to item 6.

6. Financial Review

Consideration to approve Shippensburg Borough Invoice for January 2017

(SB) Motion to approve and acknowledge that the transfer of funds has taken place

(TP) second

(MP) Moved and seconded all those in favor consent with an “aye” any opposed “no” Motion Carries Unanimously

8. Any Other Business

(MP) Peggy? Angelo? Kerri? John? Dennis? Troy? Forest?

(SB) As an individual member of the community because the staff has sort of reached out about the fluoride issues. I will be putting a right to know request in with the School District to look into their fluoride program, to see what their fluoride program is and what our fluoride program is. So that if we do as a board look at what staff wants us to look at and look at the fluoride, that we can hopefully work with the school district to find a solution so that we are not hurting kids in the area.

(MP) okay, I have nothing else, do you have anything Brian?

(BK) no

9. Adjournment

(MP) motion to adjourn

(SB) motion

(TP) second

Secretary

Next meeting March 14, 2017 – 6:00 PM