

**WATER COMMITTEE**  
**JANUARY 23, 2013**  
**MINUTES**

**MEMBERS PRESENT:** Pete Frisina, Chairman  
James K “Chip” Conner, Vice Chairman  
Brian Cardoza  
Steve Rapson  
Tony Parrott

**NON-VOTING MEMBERS:** David Jaeger  
**GUEST:** Stephen Hogan, WASA  
**STAFF PRESENT:** Russell Ray

The meeting was called to order by Chairman Pete Frisina at 8:00 A.M.

**I. APPROVAL OF MINUTES FROM THE MEETING ON JANUARY 9, 2013.**

Vice Chairman Chip Conner made the motion and Tony Parrott seconded, to approve the minutes from the meeting on January 9, 2013. There was no opposition.

**II. LAKE MCINTOSH UPDATE.**

David Jaeger presented a chart showing the progress of filling the reservoir from the initial closing of the gate back in December, then the periods where we had rain. He said we have had a nice steady batch of rain over the last month and a half or so. He reported that the reservoir was at 777.6 yesterday, full pool is 780. We are just over 2 feet from being full. We have been monitoring the dam during that period; there is another monitoring session coming up either Friday or Monday.

He explained that the chart shows the elevations of the settlement devices placed on the dam and the spillway, over this period that we have been filling it. He said that all this information is submitted to the Safe Dams Program so that they are aware of any issues that come along during the filling and our monitoring of the filling. We don't have any problems or issues; any differential that you see in the numbers as you go across left to right is basically just the tolerance of the reading equipment. There is not any major settlement taking place.

Mr. Jaeger then showed a shot from Google Earth that was taken right at the completion, but prior to filling the reservoir. He pointed out the new raw water pump station, the piping, the creek flowing south, the dam, the sod that was installed and the rip rap that was installed for wave protection. He described the dam embankment that ties in to the existing ground and drainage that will be

running down the valley. He then pointed out the concrete spillway; it is a labyrinth style spillway wall which provides more capacity for the same width of spillway. A maintenance bridge is across the spillway for equipment to cross to maintain and mow grass on the opposite side of the dam. He then pointed out the stilling basin which dissipates the energy when water is flowing through the spillway; then he pointed out the rip rap area to further dissipate energy before it reenters the creek and flows downstream.

Mr. Jaeger commented that the contractor is planning to do an aerial shot of the reservoir once it is completely full. Steve Rapson suggested doing an update of before and after of the lake project for the Board of Commissioners.

Mr. Jaeger reported on the raw water pump station. He explained that we had an existing pump station on Line Creek prior to the dam being built; it was permitted to withdraw 2 million gallons a day from the creek when the flow was available. It was built back in the 80's, and as part of the Lake McIntosh project we demoed all of the equipment off that pump station, took off the top slab and raised the structure to be up above the lake elevation. It was planned that way from the beginning, so the foundation of the wet well was all there for the new lake pump house. The lake provided additional capacity, so now we are permitted to withdraw 10.4 MGD from the lake. Mr. Jaeger stated that this project is complete. He showed a recent photo taken from the dam, looking back down towards the lake with the pump house positioned close to the dam. He said that we had to do some repairs to an existing valve at the water plant. This is now complete, the start-up and testing of the pumps will probably happen next week.

Mr. Jaeger gave an update on the park project next. This project is also nearing completion. All of the asphalt paving is completed, the frontage area of the access road has been paved, and the remainder of the access road will be paved by Fayette County Public Works later this spring. The walking trails are all complete, the boat dock and launch ramp is very close to completion; the contractor is currently putting up hand rails on the docks. The gazebo, pavilion and restrooms are also nearing completion. He presented photos of these areas. The Water System will handle the maintenance of the park once it is completed. The park will be first come, first serve; passive recreation. Further discussion pertained to the park at Lake Horton not being large enough to handle the crowds when reservations were being taken.

Mr. Jaeger stated that yesterday they were putting up the gates to the front entrance to the park. The gates are solar powered; the park will be open during daylight hours, and the gates will automatically open and close. Mr. Parrott stated that the standard for the restroom is the same as what the county has used at Kenwood Park. Trash is picked up either by Water System staff or Building and Grounds, depending on the situation.

**Mr. Jaeger explained that the park is adjacent to the dam; the dam area is secured by fence and a locked gate. The public is not allowed in the dam area. Each end of the bridge over the spillway has a locked gate on it.**

**Mr. Jaeger stated a project is coming up to do some landscaping work at the park. Included in that project is additional fencing on the Coweta County side of the property. Mr. Parrott stated that he anticipates vandalism on the concrete at the dam. He got a message this morning that someone had painted our sign at Lake Kedron. They paint the Lake Kedron spillway quite often. He said we try to secure it the best we can, but you can't secure from someone coming from downstream. Vice Chairman Conner commented that they have already painted the path.**

**Mr. Jaeger presented the bid tabulation for the bid opening of the Landscaping at Lake McIntosh Park. The bid opening was yesterday. There were four bidders that submitted bids. The bid was set up with unit prices for the various planting materials; there was some rip rap shore protection along the park frontage at the lake, and chain link fence work on the Coweta County side. In addition to all that, which totaled up as the base bid, there was an alternate bid item for a one year exterior ground maintenance agreement. Combining the base bid and the alternate bid, the low bidder would be Steadham Grading at \$78,268.76. Their price for the alternate bid was \$5,000.00 for the one year maintenance agreement. Mr. Jaeger stated that seems very reasonable to him; also, the cheapest of all the others. In the event that the Water Committee did not want to recommend accepting the alternate bid item, it would change the low bidder. Aabby Group would become low bid, based on just the base bid alone. He said that it is his feeling that it is a reasonable low cost to get a one year maintenance agreement and we get a better warranty as well on plantings that need to be replaced if they are taken care of. He said that it is his feeling that accepting the alternate bid would be a wise thing to do; and Steadham Grading would be the low bidder at \$78,268.76.**

**Mr. Jaeger stated that he has experience working with Steadham Grading; they have done a number of projects for the Town of Tyrone that he has been involved with. They have had no issue with them. They are local, out of Palmetto; their response time is fairly quick. He said that he has no problem with the quality of their work or their ability to handle this kind of project.**

**The committee discussed the bid process for Water System bids handled by Mallett Consulting. Mallett Consulting prepares the construction contract, the technical specs, the advertising, and the bid opening. Mallett Consulting coordinates with Purchasing and copies are provided to Purchasing for each project. The e-verify document is built into the contract; this was coordinated through Purchasing when that became law. Mallett Consulting makes a recommendation to the department. With the Water System, the Water Committee makes a recommendation to the Board of Commissioners.**

**Mr. Parrott commented that the Water Committee was set up because projects take so long and there is so much turn over, a core group was needed that would look at the projects and make recommendations to the Board of Commissioners. He referenced the MIEX (Magnetic Ion Exchange) project; it was a four year project just to get to the point of bidding it out.**

**Mr. Parrott stated that he feels that having the one year maintenance would be a benefit. We have to work this into the current Water System work schedule to maintain this additional area. Mr. Jaeger stated there was a two year landscape maintenance period on the Justice Center and it worked well. Mr. Parrott stated we will have to work this additional work load in with the staff we presently have. To get the plants established is high end maintenance. Once everything is established, at that point the maintenance drops way off. Mr. Rapson asked if we will have the one year replacement on landscaping, regardless of whether we have a maintenance agreement or not. Mr. Jaeger said, yes. Mr. Parrott said if the contractor maintains the plantings, there is a better chance of it living. They have a vested interest in it. Mr. Parrott said that we have staff cut pretty close, we need to do what we can to work any project into what our current work cycle is. It is the same thing with the additional treatment we are about to do with MIEX. There will be an additional work load put on the plant staff. We are trying to work it in without overwhelming anybody.**

**Vice Chairman Conner made a motion to recommend to the Board of Commissioners to award the bid for Landscaping at Lake McIntosh Park to the low bidder Steadham Grading, Inc. for a base bid, plus the additive alternate bid in the amount of \$78,268.76. Mr. Parrott seconded and there was no opposition.**

### **III. MIEX UPDATE.**

**Mr. Jaeger explained that this project is to provide a treatment upgrade at both water plants, the Crosstown plant in Peachtree City and the South Fayette plant. The purpose is to improve the removal of TOC (Total Organic Carbon), it is a process that goes in between the pumping of the raw water into the plant and the first stage of the plant, which is dosing of chemicals and settling out particles. MIEX stands for Magnetic Ion Exchange, a magnetically charged resin particle that is introduced into the raw water stream. That particle attracts dissolved organics and carbons to the resin particle. The resin is then settled out, taking the organics with it. It happens prior to the water being dosed with chlorine. The action of dosing water with chlorine can produce what is called disinfection byproducts which are cancer pre-cursors that can then be distributed out into the system. Number one, we are removing the organic carbon and number two we are reducing the potential for the disinfection byproducts by having this process.**

**Mr. Jaeger went on to say that we went through an extensive pilot study at the plant, comparing this with other technologies and we arrived at this as the most effective and cost effective over the long run. He said that we have submitted to the**

state, we got state approval on the drawings, we have gone through an RFQ process, and Mallett Consulting handled advertising the RFQ. Qualification statements were submitted; they were reviewed and eleven contractors were approved as pre-qualified bidders. That was run through the Water Committee; the Water Committee made a recommendation to the Board and the Board approved the pre-qualified bidders.

Mr. Jaeger stated that the Water System has 9 million dollars budgeted, and a bond issue is already in place. Mr. Parrott stated that the next thing the Board will see is the low bidder for the project. We had to get approval through DNR for the process.

Mr. Jaeger stated that the bid package will be issued later this week to the pre-qualified bidders. The bid opening date is set for February 26. The contractors are not obligated to bid, but they are pre-qualified to bid. There is no requirement to be a mandatory bidder. Mr. Jaeger stated that he has communication with the contractors and he will have a feel for how many will bid rather quickly. Mr. Rapson suggested including Ted Burgess in Purchasing in this bid opening.

#### **IV. REQUEST FROM CITY OF FAYETTEVILLE FOR ADDITIONAL METER SERVICE.**

Mr. Parrott explained that we have wholesale meters to the City of Fayetteville, the main ones being on Highway 92 and Highway 54 where we provide the City with basically a million gallons a day in the summer time. Because, they no longer plan on operating their water treatment plant, they want an additional meter off Redwine Road so they can run the water they purchase through the wet well at the water plant, mix it with well water that they are still going to use to make the hardness of the water less; then pump it back out to their citizens. We were fast approaching the point, with the City not being able to operate their water plant, that we were straining to provide them with this million plus some days in the summer time, anyway. An additional point to wholesale them to sell them water would benefit us and make it a little more manageable, because if they are doing this, they are going to get closer to an average flow at this meter every day. This makes our production easier; which means every day we know about 600,000 gallons is going to the City. This time last year we were providing the City probably 25,000 gallons a day; now we are providing them almost 600,000 a day. We are going to pick up more revenue off the City on a regular basis.

Mr. Parrott stated that he is getting Mallett Consulting the information to make sure that this tie-in point works. We did provide the City water from the Kiwanis Field well years ago, at this point, because we only provided them 300,000 gallons at this point. Since then, we have put in additional water lines, so he does not expect there to be a problem. The City/County has a service area contract that includes additional meter services. It would require, in addition to that contract to what we would be recommending an additional service point for the City of Fayetteville

**within that contract. The agreement would be between the County and the City as the Water System providing that service. There is a separate contract between the County and the City that denotes the service area and price of the water served. It requires a joint resolution. Mr. Parrott stated that what we have done in the past is make sure both groups were willing to do it before we get to the resolution; which means we do it twice, but doing it twice makes everybody confident and everybody understands.**

**NOTICE OF VIOLATION**

**Mr. Parrott reported that the Water System received a Notice of Violation from the State from Wayne Jackson saying that the operator in responsible charge is not appropriate. Mr. Parrott said that he is working through this. He was qualified to be the operator in responsible charge two and a half years ago when they did the Sanitary Survey, we now have a different inspector that says the other guy was wrong. He said that he is working with Mr. Rapson on staffing a different position.**

**There being no further business, Chairman Pete Frisina adjourned the meeting at 9:00 A.M.**

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**Peter A. Frisina**

**The foregoing minutes were approved at the regular Water Committee meeting on the 13th day of February, 2013.**

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**Lisa Speegle**