

**WATER COMMITTEE**  
**JANUARY 14, 2015**  
**MINUTES**

**MEMBERS PRESENT:**           Pete Frisina, Chairman  
  James K “Chip” Conner, Vice Chairman  
  Steve Rapson  
  Lee Pope  
  Commissioner Charles Oddo  
  Jimmy Preau

**NON-VOTING MEMBERS:**       Dennis Davenport

  Frank Destadio

**GUEST:**                         Stephen Hogan

**STAFF PRESENT:**             Russell Ray

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

**I.     NOMINATION OF CHAIR.**

                  Chip Conner nominated Pete Frisina as Chair of the Water Committee. Steve Rapson seconded and there was no opposition.

**II.    NOMINATION OF VICE CHAIR.**

                  Lee Pope nominated Chip Conner as Vice Chair of the Water Committee. Steve Rapson seconded and there was no opposition.

**III.   APPROVAL OF MINUTES FROM THE MEETING ON DECEMBER 10, 2014.**

                  Lee Pope made the motion and Vice Chairman Chip Conner seconded, to approve the minutes from the meeting on December 10, 2014. There was no opposition. Commissioner Oddo abstained from the vote.

**IV.    LAKE PEACHTREE UPDATE.**

                  Steve Rapson referenced the bid tabulation sheet and explained that there were eighteen folks interested in the bid; three actually submitted bids. Based on those bids, the recommendation is to award the bid to Massana Construction, Inc. They did the dredging before. Primarily the substantial difference between the two costs is the fact that they are actually charging us a portion of the site removal and the hauling. They are taking it somewhere else and charging someone else the other portion of it. That is a big difference, and they are hauling it a very short distance. A lot of the cost is associated with the hauling and the site work. He said that

through CH2M Hill we have actively pursued trying to have that relationship established. He said that we are reaping the benefits of that.

Mr. Rapson pointed out that the alternate Zone 1, 2, 3, 4 on the bid tabulation were the alternates associated with what Peachtree City wants to do. You can see the differences in those prices. Looking at Zone 1, their bid is \$200,000.00, and if you compare it to Brent Scarborough or Waterfront you see they are at \$25,000.00 or \$10,000.00. There was a fundamental misunderstanding in regards to what the alternate was. Their interpretation of the alternate was they will go in, build an access road, then clean everything out as part of the one million four, then put it back, take the access road out, put it back the way it was and then, at a later date, Peachtree City would come back and do Zone 1, 2, 3, and 4.

Frank Destadio added a friendly amendment; it was not a misunderstanding, he thinks it was misinterpretation. They read all the information that the City gave them and they interpreted it one way. Mr. Rapson said that was a nice way to say it, but the other two guys got it right. He explained that his point is, Peachtree City really wants to do just the edges from Zone 1, 2, 3, 4 around the lake. He said what we have done is request the vendor we are recommending; they are meeting next week with Peachtree City to flush out what those numbers really are, and then hopefully we will get the amendment and be able to take that to the Board on Thursday for approval; we will have the alternate, the real numbers for those alternates in that approval.

Mr. Rapson said that he has conveyed this to the Peachtree City leadership through the mayor and the City Manager so they are aware of that undertaking and David has already reached out and they have already had the conversation so they know they are in the process of trying to finalize those numbers.

Mr. Rapson said it is a little misleading, and that is one of the concerns he had, he thinks Peachtree City is meeting tomorrow night to talk about this. Unless they do that today, then the numbers they are looking at are extremely misleading. He said he has tried to convey this to the Board, he has conveyed it to the Chairman. He said he thinks the Chairman is going to have a conversation with Vanessa so that she understands it. He went on to say that we are very happy with the bids and he thinks as far as funding is concerned, the recommendation is being written up; we have a million dollars funded for the projects already allocated for that purpose and we will take another \$400,000.00 out of R & E which will be at Mr. Pope's recommendation.

Mr. Rapson said to put this in perspective because folks have a hard time understanding the dynamics of it; he got some help with the engineering. He said this bid was predicated on us pulling out 64,000 cubic yards of dirt; in the past, the last dredging, they pulled out, the best we can guesstimate, about 32,000 and the one before that, maybe 28,000. We are pulling out at least twice as much dirt; he said he thinks the way we are pulling the dirt out, it will be a lot more tangible dirt as

opposed to the sludge and water, and all that kind of stuff. To put it in perspective, if you were to look at a square acre of land and you take this dirt and stack it on top of the land it would be 48 feet high. Another way to get an idea of the level of effort, our trucks can typically carry somewhere between eight to ten cubic yards of dirt, so you are looking at somewhere between 64 or 8,000 dump trucks, if the average is 7,000; you are roughly going to run for a 5 month period, right at 100 trucks a day. This is just to give you an impression of what the level of effort is going to be. He said that one of the concerns he has heard expressed through some of the Peachtree City leadership is the duration for how this project is going to take. We are moving that much dirt. He said that he equates it to the way they did the 5<sup>th</sup> runway in the City of Atlanta; they had a conveyor system set up and it conveyed dirt for 8 months. He said that he thinks it is good that we could partnership ourselves with someone who is doing a local project here in Peachtree City so that the benefit of that dirt is indirectly going back to the residents through the construction they are going to do for the new homes over there.

Mr. Rapson explained that we will approve the 1.4 million dollars, then Peachtree City is going to piggy back off our contract because we are pulling so much dirt, their unit price goes down substantially. The numbers you see below will probably be more in line with what you see for Waterford and Brent Scarborough. Peachtree City will have a separate contract from the county. We intend to award the contract with the revised alternates, and then Peachtree City will reach out to them and do their own contract independent of the county, but have the benefit of the county's economies of scale. He went on to say that our thought philosophy is to do that in conjunction with Peachtree City so at the end of May the entire dredging project would be complete; the lake would be completely dredged, probably the best dredging it has ever had in its history.

Mr. Rapson went on to report the solutions for the spillway; we are attempting to get a determination for what that fix would be. We are reaching out to the Peachtree City leadership so the spillway can also be repaired. Then come May, our intent is to get the dredging done and a spillway repair put in place so that at the end of May we can start refilling Lake Peachtree.

Vice Chairman Conner asked who is working on the spillway. Mr. Rapson said that Golder is looking at some of the stuff we had with Piedmont to make sure they validate it. Then we are going to get a recommendation.

Frank Destadio explained they are looking at Piedmont recommended pumping five to six thousand psi grout. CH2M Hill recommended that we try to have at least Golder look at what caused the problem. Do we need to reseal it, do we need to do something under the toe, and do we need to do something so that this doesn't continue. We can pump grout in there, but if there is a leak, it will still find some soil. They will do a small study to validate that grouting is needed.

**Mr. Rapson explained that we have had a very tight time line in regards to getting to this place, and we want to adhere to that. That is what we have been communicating to Peachtree City for the last six months. This is on that exact same time line and we realized that at the time we put the bids out. One reason we put them out in the time we put them is so that we would have the meeting today and then the county would theoretically approve it Thursday so we can start turning dirt as early as late January. The land disturbance permit was issued by Peachtree City yesterday. Mr. Destadio stated they have an email saying it is ready to pick up.**

**Mr. Rapson made a motion to recommend to the Board of Commissioners approval of the recommendation from our consultant and to move forward with awarding this contract to the low bidder Massana Construction, Inc. for \$1,449,140.00. Vice Chairman Conner seconded and there was no opposition.**

#### **V. UPDATE ON WATER PLANTS.**

**Mr. Pope reported the construction kick-off meeting was a couple of days ago for the actuators and the lime feed systems to be installed. The contractor is already issuing the P.O.'s to have some of the equipment ordered and delivered. There is some lead time on that equipment. In the interim they will probably start moving on site putting up the silt fence and land disturbance, getting all that prepared, working with our permitting office to make sure we have the proper permits in place for construction we will be doing. All South is getting started with that project. CH is about 60 to 90% on the design of the filter upgrade which includes the chlorine dioxide and the Powdered Activated Carbon (PAC) feed system. They are going over some quotes on some equipment that we want looked at, they will give us a response on that information. Then they will finalize the design, and then we will hopefully go out for bid as soon as they can finalize the design. He said he does not want to commit them to a date, but he knows that they will finish it up fairly quickly. We are trying to finalize some final details on some under drains and some of the controls packages.**

**Mr. Rapson talked about the deductive alternate; he said the award that we actually had, we had negotiated and tweaked the award and we were in the process of doing that when it was awarded (liquid lime). The amount approved by the council was for 2,059,730.00. The first change order we have is a deductive alternate for a reduction of \$161,000.00.**

**Mr. Destadio explained there were some things they went back through and with Mr. Pope's permission they removed certain redundancies, things that are good to have, but are not absolutely necessary; and some other minor changes. They were able to come up with value engineering of \$161,613.00 and the contractor accepted that. He said that we had to award the project to get the deductive change order.**

**Mr. Pope reported that currently we are testing ferric as a new coagulant at the South Fayette Plant; we are doing it there because of the low demands on the South**

Fayette Plant. If we have any hiccups in operation, it would not put our system in peril. We are also asking the State for permission to test a new phosphate called Sea Quest. He said that he would give some information on this item at the next meeting. It is a little bit different phosphate than what we are currently feeding; phosphate sequesters iron and manganese in the distribution system and also protects the pipes. This is a different blend that will help us. We had some stained water calls and this will help with those; it will not only coat the inside of the pipes, it will clean the pipes and keep from having stuff accumulate on them. It will help us protect our infrastructure a little better. We will not be testing it until the spring, probably at best, because the state will take that long to review and approve it.

Mr. Pope explained that we are starting the Maintenance Team in about two weeks. We will have a Maintenance Manager and then we will pull in all the Maintenance guys to days. They will work a normal shift Monday through Friday. We have not decided if we are going to let them work four tens and have some of them work Monday through Thursday and some work Tuesday through Friday, or if we are going to let them work five eight hour days. All that will be decided with the new Maintenance Manager. He said that we have moved Chet Ward, who is our current Manager at the South Fayette Water Treatment Plant to head up the Maintenance Team. We have currently posted the Manager for the South Fayette Plant.

Mr. Pope explained that we have implemented the SEMS technology, which is the maintenance software we purchased several months ago. It was supposed to start January 1 and it did. It has kicked out about 180 work orders for us already. That is why we have this sense of urgency to get our maintenance team together because that lets you know the amount of preventative maintenance that we should be doing on our existing equipment. The Managers have printed the work orders and they have disseminated those based on the level of work load. Some things are very simple, it might be checking the temperature on a pump or listening to see if there is a noise on a motor. They are going ahead and giving those out to operators, that is clearly something an operator can do as they are making their daily rounds. Some of the maintenance will be done with operations, but let's face it, some of the maintenance is changing oil and filters, and it is a little bit more time consuming. We don't necessarily want to pull an operator from monitoring the operations of the plant; the maintenance team will head those up. Everybody is doing maintenance now, which unfortunately that is a new thing. That will help us maintain the longevity of our equipment.

Mr. Pope mentioned that the Sea Quest chemical, which is a different phosphate, will assist us with some long term chemical savings. He said he will explain that and get some more detail information to the committee. We will be able to lower the pH in the water we are sending out; it will save us some lime and prevent corrosion in the system. This is a win/win, how it protects our pipes and how it will lower our operating cost.

**Mr. Pope mentioned there is a petition going around to have fluoride removed. A copy of this petition is included in the committee's information package. Mr. Rapson stated yesterday he talked to Elections. They are in the process of working with those folks to make sure the petition is valid. They have to get 8,500 registered voters. They have to be registered and they have to be active, and they have to have the right name and address. All of that has to be validated and they have around 570 pages worth. They either go that route or they take the resolution the County recently approved requesting the state legislature to take action; take that around to different counties and hopefully either get enough county's involved and the legislature pick this up as an issue, or the petition would be put before the Board of Commissioners and then put on a referendum for the voters to vote, up or down at a general election.**

**Mr. Rapson went on to say that from a system perspective he does not think there is a lot; around \$20,000.00 worth of fluoride cost. There won't be a big savings on our side; it is just more of a consensus from the residents it is something they want to do different, or at least a segment of the residents. From a county perspective we have done everything we are going to do at this point.**

#### **VI. WATER SYSTEM LOGO UPDATE.**

**Mr. Pope mentioned in the last meeting the committee talked about the logo and had decided on what they liked. He said we found out that the company that does our lighting for the county equipment has a graphic artist that works for them. He designs all of the fancy wraps for the Sheriff's vehicles and the ambulances. They said they would look at it and see what they could come up with. They came up with a new variation. Mr. Pope asked the committee to look at it and tell him what they think.**

**Mr. Rapson asked to see the one that the committee approved. Mr. Pope said that Mr. Rapson had wanted to see what it would look like in black and white and Mr. Pope showed what it would look like in gray scale. We have not purchased anything; we do have an approved updated logo. After further discussion the committee decided on the original design with the smaller drop, screening it blue and System being either silver or blue. Mr. Pope agreed to have some more samples prepared by the designer.**

#### **VII. PUBLIC COMMENT.**

**There was no public comment.**

#### **FILTERS AT WATER PLANTS.**

**Mr. Rapson commented that the next big project the committee will see coming through is redoing the filters at the plants. He said they are in the process of working with the consultants to get that bid package ready to go on the street. Mr. Destadio commented that if you start out replacing six filters, we are looking at**

possibly doing eight. This all comes from the consent order. Mr. Rapson said this will be the last significant capital item that we do that is part of the original capital plan the Board was apprised of at the Retreat. Mr. Pope explained that it will probably be fall before we can start some of the project because we can't take filters out of service in the summer. The way it is looking, the liquid lime will start up in July or August. That will be pretty good timing if we put this out on the street and have our contractor ready to start this in the fall. We won't have stuff going on at the same time.

There being no further business, Chairman Pete Frisina adjourned the meeting at 8:25 A.M.

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Peter A. Frisina

The foregoing minutes were approved at the regular Water Committee meeting on the 28th day of January, 2015.

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Lisa Speegle