

WATER COMMITTEE
DECEMBER 14, 2011
MINUTES

MEMBERS PRESENT:

Pete Frisina, Chairman
James K “Chip” Conner, Vice Chairman
Jack Krakeel
Tony Parrott
Brian Cardoza
David Jaeger
Russell Ray

ABSENT:

NON-VOTING MEMBERS:

STAFF PRESENT:

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

I. APPROVAL OF MINUTES FROM THE MEETING ON NOVEMBER 9, 2011.

Vice Chairman Chip Conner made the motion and Jack Krakeel seconded, to approve the minutes from the meeting on November 9, 2011. There was no opposition.

II. LAKE MCINTOSH UPDATE.

David Jaeger presented a recent shot from Google Earth of the lake site; the area was re-flown after most of the reservoir area was cleared. He then showed an aerial shot taken by the contractor. He pointed out the sixty inch pipe, the outlet channel that was constructed, the rip rap, the upstream turn down wall, and where the stilling basin will run through. There is an upper slab and a lower slab of the stilling basin. He showed the stilling basin area where the gravel, sand and pipe under drain was constructed. On top of that they began the construction of the slabs.

He went on to show photos of the slab construction, rebar installation, and the completion of the under drain on one side of the slab. This was poured in two sections; the western side was poured first. Each of the pours was in the neighborhood of 1200 cubic yards. The next slide showed the turn down wall and the back filling that has begun on the upstream side of the turn down wall.

Mr. Parrott said you could see on the right hand side how much rebar there is and how big the slab is. Mr. Jaeger stated that the slab is four feet thick. Mr. Hogan commented that if you get a chance to see them pour the concrete, the crew is the epitome of efficiency. It was amazing to see the trucks roll in and roll out; they have it down to a science. Mr. Jaeger said each one of the pours was done more or less non stop, the west side slab, they began about four in the morning, then on the east side, they began at two in the morning. They ran continuously for about ten hours. They had two pumper trucks, each pumper truck was fed by two concrete trucks, so

there are four concrete trucks unloading concrete at a time; with four more staged behind it waiting to fill the slot for anybody that was finished. As a truck emptied out, he would pull out and another one would pull in. It was a constant choreographed procedure. He pointed out a slide showing the hose coming down off the pumper truck and the workers moving in and out of the rebar. Last week, they did have trouble with one of the pumper trucks for about forty-five minutes, but they got that fixed and continued on.

Mr. Jaeger said last week when they poured there was some concern about cold temperatures that night. It was forecast to get down in the high 20's. It actually didn't get that low, but they had heaters in place to keep the ground warm, the rebar warm, and the form work warm; 35 and above is what they are required to achieve for temperature. North Georgia Concrete is the concrete sub, Allan Harp is a local contractor that is the head of North Georgia Concrete, so he is working as a sub to Brad Cole. He said they have done an excellent job; this is not their first Category 1 dam.

Mr. Jaeger showed an updated slide showing the progress of clearing. Essentially, the entire reservoir body has now been cleared, and the streams are just now beginning to be cleared. The contractors schedule requires us to begin clearing the stream buffers and for him to be done with that to coincide with when they will be done with the concrete and dam construction. The contractor has targeted April 1 as the completion date.

Chairman Frisina asked if they are clearing them by grubbing them or cutting them down. Mr. Jaeger replied that they are not required to grub every stump, so some will be grubbed as part of the process, but they can cut them flush if they want.

Mr. Jaeger commented that at the same time the dam construction is taking place, we also have a contract for the pump station which is under construction. The existing pump station drew from Line Creek, the contractor knocked the top off of that, demolished and removed all the old equipment and top slab; then raised the side walls, and poured a new top, the new top being ten feet higher than the old one. That work has all been done now. He pointed out the new side walls, and the top slab. He pointed out the future pads for the two pumps that will be installed and an equipment pad for some piping.

Mr. Jaeger showed the wall on the Fayette County side of the pump station. He said they have to bring up the wall and the fill, the contractor is constructing a reinforced earth type fill system that will create an access way to the front of the pump station, since the pump is more or less out in the lake body once the lake is full.

He showed another aerial view looking back towards Fayette County, the 780' contour is denoted, which is full pool elevation; the dam and the water plant are in the background.

a. LINE CREEK TRAIL RELOCATION UPDATE.

Mr. Jaeger explained that the contractor is planning to begin this shortly. He said he provided the easement documents, plat and legal description. Mr. Parrott said he would check on the current status.

Mr. Jaeger stated that he is substantially complete with the design of the proposed park, they should be advertising this for bid in January. Bids will probably be opened in February and start work the first part of March.

Mr. Krakeel asked if we will be pumping from the current pump station from Line Creek before the lake is filled. Mr. Jaeger commented that Mr. Parrott will probably start pumping before the lake is completely full. Currently, there is no way to withdraw from Line Creek because the creek has been diverted away from the pump station. Until the reservoir impoundment begins there is no ability to pump from that pump station, but once the impoundment begins as soon as we have adequate depth above the pump intakes, Mr. Parrott can begin using them.

Mr. Krakeel asked about the time frame. Mr. Jaeger said that he just got the pump submittal this week, they are usually a ten to sixteen week delivery on pumps. Mr. Krakeel asked when we would start impounding water. Mr. Jaeger replied the dam construction is scheduled to finish about April 1, as soon after that as Safe Dams will authorize us to close the gate. Mr. Parrott commented that Safe Dams and the Corp of Engineers both have to approve.

Mr. Parrott said that we will need to put up a plaque that says Lake McIntosh and the Board of Commissioners and the people involved in building the lake. There was a short discussion about what type of plaque should be recommended. There is a granite monument at Lake Horton. It is four feet tall and four feet wide. There is an allowance in the dam contract for a plaque.

III. WATERLINE EXTENSIONS INSTALLED IN THE RIGHT OF WAY.

Mr. Parrott explained the county still has fifty to fifty five miles of dirt roads. We are starting to get interest about running waterlines up these dirt roads; the county doesn't have a right of way. We put a waterline down part of Snead Road and then we had to make some adjustments because it is being paved. He said that we need to limit the waterline extensions to roads that already have a right of way or a dedicated easement that equals the right of way. He said that the county has approved subdivisions with private roads and streets. In a private development like Whitewater Country Club Community our easement in there is fifty feet wide. It equals what the road is on the right of way, so you have a waterline down one side, and services across. It is an easement that equals the fifty foot right of way throughout the whole subdivision. He said that we don't need to put a waterline up

a road like Massengale Road and then a couple of year's later wind up under the pavement so that every service tap we make is under the pavement. If people want water, they need to think about the fact that the road needs to be improved at the same time.

Chairman Frisina commented that there are some paved roads that don't have right of way, they have a prescriptive easement.

Mr. Parrott explained that this needs to be a right of way to the county for the road with the Water System being in that right of way. We don't need two levels where they have given an easement for the waterline, but not the road right of way. The dirt roads that we have now that have been paved without right of way, we put the waterline in the ditch.

Vice Chairman Chip Conner made a motion to recommend to the Board of Commissioners an addition to the Waterline Extension Policy to only install waterlines on roads and streets with public right of way or a dedicated easement that equals the right of way for a private road or street. Jack Krakeel seconded and there was no opposition.

IV. WATER BILL INSERT – PARKS & RECREATION NEEDS ASSESSMENT SURVEY.

Mr. Krakeel said the last time this was done was in 2005. Jack Krakeel made a motion to recommend to the Board of Commissioners doing a water bill insert for Parks and Recreation's Needs Assessment Survey during the month of January. Tony Parrott seconded and there was no opposition.

V. TOILET REBATE FUNDS.

Mrs. Quick stated that since we did the water bill insert a lot of people took advantage of the toilet rebate program. She said we need to allocate more funds to this program. Mr. Parrott commented that the rebate is a credit against their water bill, so it is not a full transfer of funds. The program is administered by the Metropolitan North Georgia Water Planning District; they have a fee to do this, but they also handle all the administration which includes spot verification.

The committee discussed how long the funds that were previously allocated had lasted, how long the rebate might continue and whether to allocate more funds so this does not have to be addressed again in six or eight months. The \$50.00 dollar rebate is no longer available, just the \$100.00 rebate.

Jack Krakeel made a motion to recommend to the Board of Commissioners to allocate \$50,000.00 to the Toilet Rebate Program that is administered by the Metropolitan North Georgia Water Planning District. Vice Chairman Conner seconded and there was no opposition.

VI. WATERLINE RELOCATION AT 85 SOUTH AND BERNHARD ROAD FOR DOT PROJECT.

Mr. Parrott explained that we have to relocate approximately 2,500 feet of 20" waterline for the intersection improvement project at 85 South and Bernhard Road. Our waterline contractor, Lantz is for line extensions, but not really for 20" waterline work. He said we could price it out, but with the size of this project he thinks we ought to bid it out separately.

Mr. Jaeger commented that we have a price in the annual contract for 20", but because we don't do 20" very often, we did not estimate a very large quantity. The price per foot, he is certain, is higher than we would get if we competitively bid this one project. Mr. Parrott said we will bid the project and bring the information back to the committee for review.

VII. DREDGING OF LAKE PEACHTREE.

Mr. Parrott explained that we have a contract with the City of Peachtree City that every eight years we will evaluate if Lake Peachtree needs to be dredged or not. He said he had a discussion with the City Engineer and asked if we could ride around in the boat and decide whether it needed dredging or not. He said we will have to do the survey this time.

Mr. Parrott stated there are several survey points in the lake; we can have a surveyor go out and determine how much silt has been deposited in the last eight years. Then we can evaluate from there on the dredging project. He said that Mr. Jaeger has used his surveyor in the past to do this and then generate the report. Then we have talked to the City. At one time we got a pass and did not have to dredge. Dredging costs a million dollars, in a round number, no matter how much silt is there. He said he fully suspects the City is going to require us to dredge so we need to have the survey work done so we can determine how much silt we need to take out.

Mr. Krakeel asked how much responsibility the City has for dredging the intake areas around Highway 54 where there is a lot of siltation. It appears to him that if that is not dredged out, then you just compound the problem downstream. He went on to say that the area we are responsible for dredging is delineated in the contract that we have with Peachtree City (south of the bridge). From the bridge north, there is substantial siltation, so much so that under the bridge it is almost filled. In the absence of the City doing anything, what impact does that have on us downstream?

Mr. Jaeger said that in the past that area was dredged by the county (north of the bridge). Mr. Parrott said it was one time and it had nothing to do with the contract.

We made an effort to reduce the amount that went downstream and it did help. The trouble was that the City would not let us leave the haul road in.

Mr. Krakeel said he has a fundamental question, the City is going to require us by contract to remove silt every eight years, yet the City does not take care of their obligation for the bridge structure and north of there to clear the siltation. What impact does that have on the rest of the lake and our efforts at removing silt?

Mr. Jaeger commented that he thinks that area was purposely designated as a silt trap, so that it would accumulate there prior to entering into the main lake body. For a certain period of time it helps the main lake body, but once it is filled up, then you have the potential for any excess from that area to then move into the lake. He said that it is positive for a while, then, it becomes potentially, a negative.

Mr. Krakeel asked if this is a point that should be raised as part of the current contract. Vice Chairman Conner said that he thinks the City has discussed the possibility of dredging the lake area north of the bridge. Mr. Parrott said that the question had come up about how far up the stream inlets we would go and that has been designated; we won't go up the channels. He said there had been some discussion about the City doing some of that.

Mr. Parrott said once we get the survey work done, we can easily determine how much is out there. It has been getting less each time; although it is harder to deal with. The easiest job we had was when we drained it, but the neighbors were not very happy with the lake being drained. It was a dry year, and it was dusty. The contractor had to wet down the haul road to keep the dust down. That is how dry it was in 1986.

Mr. Parrott said in the past Mallett Consulting handled the survey; they have the survey points and expertise with this project. He recommended that we have Mallett Consulting handle the survey to determine if Lake Peachtree needs to be dredged as per the contract with the City.

Vice Chairman Conner made a motion to recommend to the Board of Commissioners for Mallett Consulting to conduct the survey needed to determine the need of dredging Lake Peachtree as per the contract with City of Peachtree City. Jack Krakeel seconded and there was no opposition.

WATER USAGE AND LAKE LEVELS.

Mr. Parrott stated that the average day for the water production has been 6,300,000. This is even less than last year. Mr. Ray said that Lake Kedron is holding steady. Lake Horton is down to 11.5, which is lower than the worst of the drought. We reached 11 feet. Mr. Parrott said with 6 million a day production, almost no water from Lake Horton went to Crosstown. Crosstown production has

**almost been solely out of Lake Peachtree, Lake Kedron, and Whitewater Creek.
Current storage capacity we have is 300 days.**

**There being no further business, Chairman Pete Frisina adjourned the meeting at
8:45 A.M.**

Peter A. Frisina

**The foregoing minutes were approved at the regular Water Committee meeting on
the 11th day of January, 2012.**

Lisa Quick