

WATER COMMITTEE
FEBRUARY 27, 2002
MINUTES

MEMBERS PRESENT: Chuck Watkins, Chairman
Dr. George Patton, Vice Chairman
Chris Cofty
Tony Parrott
Chris Venice

NON-VOTING MEMBERS: Jim Mallett

ABSENT: Bill McNally

STAFF PRESENT: Russell Ray

GUEST: Dave Hamrick

The meeting was called to order by Chairman Chuck Watkins at 8:00 A.M.

I. APPROVAL OF MINUTES FROM THE MEETING ON FEBRUARY 13, 2002.

Vice Chairman Dr. George Patton made the motion and Tony Parrott seconded, to approve the minutes from the meeting on February 13, 2002. There was no opposition.

II. DAVID SCARBOROUGH TO DISCUSS WATER LINE EXTENSIONS.

This item was tabled until the next meeting.

III. CONTINUED DISCUSSION OF BUFFER AT LAKE KEDRON.

This item was tabled until the next meeting.

IV. LAKE PEACHTREE DREDGING.

The committee discussed what details are still needed before this can be bid. Chris Cofty suggested sending a letter to Troy Besseche confirming his request from the Water Committee in regards to wanting to potentially use the dirt and ask for a response in writing.

ADDENDUM

I. BID OPENING - RESERVOIR INTAKE STRUCTURE REPAIRS.

Mr. Mallett reported that bids were taken on February 19, 2002 for some repairs to the Lake Kedron intake structure, and for metering of the low flow at Horton Creek Reservoir. There were three bidders. Willow Construction was low bid at \$98,900.00. CMK was second at \$99,420.00. CS Britton was high at \$172,500.00. Willow has worked on several jobs before. He recommended taking the low bidder, Willow Construction.

Mr. Parrott commented that the repairs to the cement lining were requested by the State. They used a camera to inspect the pipe. They found an estimate of about 22 square feet of liner and a ductile iron pipe crack that needs replacing. The flow meter at Lake Horton is requested because the State now is requiring that we monitor daily flow on the low flow release at Lake Horton. We use a "V" notch weir at the present time. The flow meter will meter per gallon so we do not have to release any more water downstream than we have to. The device will send readings back to the water plant by radio signal, which is part of the SCADA system.

Vice Chairman Dr. Patton made a motion to recommend to the Board of Commissioners to accept the low bidder, Willow Construction on this project. Chris Venice seconded and there was no opposition.

II. LAKE MCINTOSH SPILLWAY DESIGN.

Mr. Mallett reported that he has been working with Peachtree City trying to come up with some options for the spillway and the outlet works at the dam at Lake McIntosh, in conjunction with them building south of the dam and going into Coweta County from TDK Boulevard. He presented a copy of the Hydraulic Report to the committee for review, and then summarized three options.

The first option was passing the one hundred year frequency storm through the dam itself. They determined they have to maintain a five foot rise in water above normal pool elevation, because there is an easement around Lake McIntosh. It will take four twelve by twelve box culverts, and an intake structure of sixty by sixty six feet with three hundred fifty feet of weir to maintain the five foot rise in water during the hundred year storm. The cost of this option is estimated to be \$2,750,000.00. This is the spillway construction, not including the dam and things related to the dam itself. In his opinion this option would allow Peachtree City to extend TDK Boulevard across the emergency spillway at grade. Normally a road is not designed for more than a hundred year storm. We will pass the hundred year storm through the dam. The road would probably flood if we got a bigger storm. Also, we would need to talk with Safe Dams, because sometimes they enforce regulations that are more

strict than what is on the books. They may have the idea that we cannot have a roadway that could be washed or flooded by the PMP storms.

Mr. Mallett went on to explain the second option to consider. This option would have a pipe through the dam that would let us drain the lake if we had to and pass all flows around the end of the dam, including the two hundred year storm. That would require that we actually concrete line the spillway up to the elevation of the hundred year storm. It would take a four hundred foot wide emergency spillway. This would create a problem for Peachtree City in that we would have to probably bridge the spillway and build a bridge across it. The cost of that option to the county is the most expensive because of all the concrete in the spillway. It is over 24,000 cubic yards of concrete. The cost is estimated at \$8,165,000.00.

The third option is passing all the flows over the dam, similar to Lake Kedron. A pipe will be in the dam, strictly to drain the lake, if we had to. That would probably be the most beneficial to Peachtree City, in that they could put their roadway through there without having anything to do with the dam or spillway. There would not be a problem with Safe Dams. The cost of this option is estimated at \$4,700,000.00.

The committee discussed the width of TDK Boulevard. Option one is the option best for the Water System. Cost of the project should be shared if more needs to be done than what the Water System needs. Mr. Mallett will schedule a meeting with Peachtree City for their review and will then report back to the Water Committee.

Mr. Parrott distributed copies of the Source Water Assessment done by the ARC. He explained that this will be included with the water bills in the near future.

There being no further business, Chairman Chuck Watkins adjourned the meeting at 8:30 A.M.

Chuck Watkins

The foregoing minutes were approved at the regular Water Committee meeting on the 13th day of March, 2002.

Lisa Gillis