

SUMMARY

NEUSE RIVER BASIN HYDROLOGIC MODEL TECHNICAL REVIEW COMMITTEE MEETING

November 12, 2008
512 N. Salisbury Street
Archdale Building – 14th Floor Conference Room #3
Raleigh, North Carolina

1. Neelufa Sarwar opened the meeting at 10:05 AM, and provided an update on the project revenues and expenses. Of the total contract amount for the project (\$394,160), \$157,068.86 has been billed (39.85%).
2. Brian McCrodden provided an update on the project and schedule. The model schematic has been completed. The inflow data set is about half complete. The agricultural data set is about two-thirds complete. The operating rules are only about one-fifth complete.
3. Tom Fransen noted that the model may be used for water withdrawal permitting by DWR.
4. Steve Nebiker presented the completed model schematic with updates. Steve then presented the model inflow development, including examples of calibration and simulation.
5. Peter Elkan provided an update on agricultural data collection.
6. Next steps include the following.
 - Sydney Miller will follow up with the City of Durham regarding reservoir data.
 - HydroLogics will provide the updated model schematic to DWR for posting on the project website. The schematic will include a date noting its production.
 - HydroLogics will work with Kevin Lindley (Orange County) to confirm the drawdown of Orange Lake.
 - HydroLogics will explore the possibility of using the USGS stream gage on Swift Creek at Holly Springs Road to calibrate Lake Wheeler.
 - HydroLogics will explore the possibility of adding the small flood control storage lakes upstream of Lake Crabtree to the model, and refining the Crabtree Creek flood control system. Jim Mead (DWR) provided data and Dale Crisp (Raleigh) will provide data.
 - Committee members will review the model calibration and simulation plots for the sub-basins associated with their individual systems and provide feedback to HydroLogics. The plots may be found in the PDF of the HydroLogics presentation posted to the project website at http://www.ncwater.org/Data_and_Modeling/Neuse_River_Basin_Model.
7. Neelufa Sarwar adjourned the meeting at 12:00 PM. A subset of the Technical Review Committee returned after lunch for a more detailed discussion of model inflow development, operating rules, and data collection.

Present

Karen Brashear, City of Goldsboro
Tim Broome, Johnston County
Terry Brown, US Army Corps of Engineers
Robin Bryson, Progress Energy
Dale Crisp, City of Raleigh
Tom Davis, Orange County
Tom Fransen, NC Division of Water Resources
Don Greeley, City of Durham
Chris Goudreau, NC Wildlife Resources Commission
Ashley Hatchell, US Army Corps of Engineers
Jim Harding, City of Durham
Jucilene Hoffman, NC Division of Water Resources
Kenny Keel, Town of Hillsborough
Kevin Lindley, Orange County
Jim Mead, NC Division of Water Resources
Philip Ogden, CH2M HILL
Barry Parks, City of Wilson
Charles Peacock, NC State University
Crystal Penton, The Wooten Company
Don Rayno, NC Division of Water Resources
Neelufa Sarwar, NC Division of Water Resources
Ken Terlep, Friends of Lake Orange
Charles Theobald, NC Division of Water Resources

Project Consultants

Brian McCrodden, HydroLogics
Steve Nebiker, HydroLogics
Casey Caldwell, HydroLogics
Peter Elkan, Moffat & Nichol
Claudia Williams, Moffat & Nichol
Sydney Miller, Triangle J Council of Governments