

SUMMARY

NEUSE RIVER BASIN HYDROLOGIC MODEL TECHNICAL REVIEW COMMITTEE MEETING

March 25, 2009
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), \$307,956.38 has been billed and paid (78%).
2. Steve Nebiker presented the completed model calibration and preliminary results.
 - Stage-storage data are currently lacking for Lake Rogers.
 - There is no pattern currently for the Neuse WASA withdrawal. A pattern will be developed based on a composite of the Local Water Supply Plan data for its partners.
 - For future inflow updates used in forecasting, access to USGS gage flow data and access to select reservoir and withdrawal data will be needed.
3. Peter Elkan presented the completed agricultural data.
4. Next steps include the following.
 - A PDF of the HydroLogics presentation will be posted to the project website at http://www.ncwater.org/Data_and_Modeling/Neuse_River_Basin_Model.
 - Sydney Miller will follow up with Dan Boone to obtain stage-storage data for Lake Rogers.
 - HydroLogics will work with Terry Brown to establish an appropriate safety factor for the Clayton gage target, and to determine whether time of travel should be included in the model.
 - HydroLogics will look into whether there is sufficient data available such that the Teer Quarry on Duraleigh Road can be included in the model.
 - Don Rayno will provide Local Water Supply Plan data to HydroLogics from which a pattern for the Neuse WASA withdrawal may be developed.
 - DWR will place the preliminary model on a server and set up user accounts for members of the Committee who request an account.
 - Committee members who would like access to the preliminary model will contact Neelufa Sarwar.
 - Raleigh staff will review the representation of small lakes and of golf courses in the model to confirm its accuracy.
 - Orange County staff will work on articulating the rules for Lake Orange releases.
 - Committee members will review the withdrawal and discharge data used in the model and provide feedback to HydroLogics.

5. The Committee agreed to schedule an initial training meeting. Sydney Miller will solicit potential meeting dates via email.
6. Neelufa Sarwar adjourned the meeting at 11:45 AM.

Present

Tim Broome, Johnston County
Terry Brown, US Army Corps of Engineers
Ed Buchan, City of Raleigh
Dale Crisp, City of Raleigh
Tom Davis, Orange County
Dan Emerson, US Army Corps of Engineers
Tom Fransen, NC Division of Water Resources
Harold Herring, Neuse Regional WASA
Reginald Hicks, City of Durham
Jucilene Hoffman, NC Division of Water Resources
Kelly Ibrahim, NC Division of Soil and Water Conservation
Kenny Keel, Town of Hillsborough
Kevin Lindley, Orange County
Robert Massengill, City of Raleigh
Jim McCarthy, Hazen and Sawyer
Jim Mead, NC Division of Water Resources
Lindsay Mize, South Granville WASA
Philip Ogden, CH2M HILL
Reed Palmer, Hazen and Sawyer
Emily Parisher, NC Division of Parks and Recreation
Don Rayno, NC Division of Water Resources
Steve Reed, NC Division of Water Resources
Neelufa Sarwar, NC Division of Water Resources
Ken Terlep, Friends of Lake Orange
Richard Whisnant, UNC School of Government

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