



DEPARTMENT OF THE ARMY
NORFOLK DISTRICT, CORPS OF ENGINEERS
FORT NORFOLK, 803 FRONT STREET
NORFOLK, VIRGINIA 23510-1096

REPLY TO
ATTENTION OF:

October 26, 2011

Western Virginia Regulatory Section
Charlottesville Virginia Regulatory Field Office
920 Gardens Blvd, Suite 200
Charlottesville, VA 22901

Reference: Corps number NAO 2006-03002
06-V1574

Mr. Thomas G. Frederick
Rivanna Water and Sewer Authority
695 Moores Creek Lane
Charlottesville, VA 22902-9016

RE: Ragged Mountain Reservoir Expansion Project, Albemarle County, Virginia
Request for Additional Information No. 1

Dear Mr. Frederick:

This is in reference to your application number NAO 2006-03002 from the Rivanna Water and Sewer Authority (RWSA) for a new dam at the Ragged Mountain Reservoir. The project is located in Albemarle County, Virginia.

The Corps of Engineers has received the following new information regarding your initial proposed project: 1) the 2010 HDR Engineering inc. report "South Fork Rivanna Reservoir Dredging Feasibility Study", 2) Technical Memorandum's 1 and 2 "Rivanna Water and Sewer Authority Water Demand Analysis", "3) Supplement to the Engineering Reports for Dredging Feasibility Study" prepared by RWSA June 15, 2010, 4) RWSA Regional Water Demand Forecasts prepared by AECOM September 2011, and 5) the Regional Water Supply Plan for Albemarle County, City of Charlottesville, and Town of Scottsville, prepared by RWSA September 30, 2011.

We are reviewing the above information to determine if a re-evaluation of our original permit decision is necessary, per your Department of the Army Permit No 06-V1574 (2006-03002) Paragraph four (4) "Re-evaluation of Permit Decision" letter (c).

Since our initial evaluation, these additional documents (listed above) have become available regarding the 50 year water supply plan as well as potential dredging information of the South Fork Rivanna River. In order to assist in the Corps review of this information, please provide answers to the following request for information.

Project Impacts:

Please provide detail of the projected project impact to waters of the United States should the dam be built only to accommodate the most recent projected need in 2060 of 16.96 million gallons of water a day (MGD) compared with the proposed impacts to waters of the United States under the current proposal using the 18.7 MGD in 2055. Also, please give justification for these additional impacts should there be any.

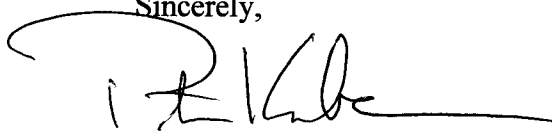
Please discuss the potential of the increase in storage and “safe yield” should the South Fork Rivanna dredging be a viable option and how this additional storage may be used in conjunction with a potential smaller dam being constructed at Ragged Mountain or leaving the current dam and just repairing the spillway as required by the Virginia Division of Dam Safety and Floodplain Management, along with dredging of the South Fork Rivanna Reservoir. Also, if this dredging is not a viable option why has RWSA sent out a request for proposal to get estimates on dredging phase one as discussed in the dredging studies?

In the most recent water demand analysis there is discussion of the “US 29 Pipeline” which would link the South Fork and North Fork distribution systems along with the South Fork and Observatory water distribution systems by completion of a transmission main between Pantops and Avon Street (the “Southern Loop”). This alternative was never evaluated in our original permit decision. Please discuss how these improvements along with the alternatives discussed above may be utilized and provide for less environmental impacts to waters of the United States while still providing the “safe yield” necessary for the next 50 years. Discuss what proposed impacts to waters of the U.S. may occur from this pipeline alternative.

Please provide the requested information by December 15.

Should you have any questions, please contact Vinny Pero at (434) 973-0568 or Vincent.d.pero@usace.army.mil

Sincerely,



Peter Kube
Chief, Western Virginia Regulatory Section

Copies provided via email:
Virginia Department of Environmental Quality, Richmond