



Serial: NPD-NRC-2010-078
October 5, 2010

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

**SHEARON HARRIS NUCLEAR POWER PLANT, UNITS 2 AND 3
DOCKET NOS. 52-022 AND 52-023**

**Status of the Environmental Review for Shearon Harris Nuclear Power Plant, Units 2 and 3,
Combined License Application**

Reference: Letter from Donald Palmrose (NRC) to John Elnitsky (PEC), dated August 27, 2010,
"Status of the Environmental Review for Shearon Harris Nuclear Power Plant, Units
2 and 3, Combined License Application"

Ladies and Gentlemen:

In the reference letter, the NRC, working in cooperation with the U.S. Army Corps of Engineers (USACE), identified several issues that are considered unresolved or that require additional coordination or cooperation with other Federal agencies or the State of North Carolina. With this letter, Progress Energy Carolinas, Inc. (PEC) provides an update on actions PEC has taken regarding these issues.

1. Tritium Concentration in Harris Reservoir:
PEC submitted response letter serial number NPD-NRC-2010-073 on September 15, 2010 providing the native files that had been requested in supplemental requests for additional information 5.2.2-4, 5.2.2-5, and 5.4-1. Further, PEC participated in an NRC teleconference on this subject on October 1, 2010.
2. Consultations under Section 106 of the National Historic Preservation Act:
PEC drafted a Memorandum of Agreement (MOA) and submitted it to the North Carolina State Historical Preservation Office (NC SHPO) for their review on September 22, 2010. NC SHPO is expected to submit their comments to PEC in early October 2010 and PEC will send the draft MOA to the USACE and NRC by November 12, 2010 for review.
3. Consistency between Alternative Analyses Provided for the NRC's Environmental Review and to USACE:
PEC submitted this information in a letter serial number NPD-NRC-2010-074 on September 22, 2010 to the NRC with a copy to the USACE.
4. General Conformity Determination:
PEC had been working with the North Carolina Division of Air Quality (NC-DAQ) regarding Air Conformity since May 2009. Due to their lead reviewer's sudden leave of

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absence, PEC met with NC-DAQ on August 26, 2010 and is continuing to work with them to address technical comments from their new reviewer with the expectation that construction emissions can be incorporated in a future revision to the State Implementation Plan (SIP). NC-DAQ is expected to submit their remaining comments to PEC in early October 2010. PEC will be submitting a response to NC-DAQ by November 12, 2010.

PEC believes that this update on the above open items should allow the NRC to reestablish an updated HAR environmental review schedule.

If you have any further questions, or need additional information, please contact Paul Snead at (919) 546-2836, or me at (919) 546-6992.

Sincerely,



Robert Kitchen
Manager, Nuclear Plant Licensing
New Generation Programs & Projects

cc : U.S. NRC Region II, Regional Administrator
U.S. NRC Resident Inspector, SHNPP Unit 1
Mr. Brian Hughes, U.S. NRC Project Manager
Dr. Donald Palmrose, U.S. NRC Environmental Project Manager
Mr. Monte Matthews, U.S. Army Corps of Engineers
Ms. Delores Hall, NC SHPO
Ms. Heather Hildebrandt, NC-DAQ