

December 15, 2011

The Honorable Edward S. Finley, Jr.  
Chairman  
North Carolina Utilities Commission  
4325 Mail Service Center  
Raleigh, NC 27699-4325

SUBJECT: NOTIFICATION OF THE AVAILABILITY OF THE COMBINED LICENSE  
APPLICATION FOR SHEARON HARRIS NUCLEAR PLANT UNITS 2 AND 3 IN  
ACCORDANCE WITH 10 CFR 50.43 REQUIREMENTS

Dear Mr. Finley:

On February 18, 2008, Progress Energy Carolinas, Inc. (PEC), tendered a combined license (COL) application for two AP1000 advanced passive pressurized water reactors to be located in Wake County, North Carolina. The reactors are to be identified as Shearon Harris Nuclear Plant (HAR) Units 2 and 3. The application is currently under review by the NRC staff.

In that February 18, 2008, letter, PEC stated that it was submitting the COL application pursuant to the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR) Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants," Subpart C, "Combined Licenses," and requesting the associated materials licenses under 10 CFR Parts 30, 40, and 70. In addition, PEC stated that the COL application incorporates by reference Appendix D to 10 CFR Part 52 and the Westinghouse Electric Corporation's (Westinghouse's) application for amendment to portions of the Design Control Document (DCD) Revision 16 (submitted May 26, 2007), including Westinghouse Technical Report APP-GW-GLR-134, Revision 3, "AP1000 DCD Impacts to Support COLA Standardization" (submitted January 14, 2008). Since the initial submission of the COL application, PEC has updated it to reference Revision 18 of the AP1000 DCD amendment application.

In accordance with the requirements found in 10 CFR 50.43(a)(1), the staff is providing this written notification to you because the staff has determined that your agency may have jurisdiction over the rates and services that are incident to the possible licensing by the Nuclear Regulatory Commission of HAR Units 2 and 3.

A copy of the application is available on the Internet at <http://www.nrc.gov/reactors/new-reactors/col.html>. The application is also available via the Agencywide Documents Access and Management System (ADAMS) Public Electronic Reading Room on the Internet at <http://www.nrc.gov/reading-rm/adams.html>. Other publicly available documents related to the application are also posted in ADAMS.

E. Finley

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If you have any questions, I can be reached at (301) 415-6582 or by email at [Brian.Hughes@nrc.gov](mailto:Brian.Hughes@nrc.gov).

Sincerely,

*/RA/*

Brian Hughes, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-022 and 52-023

cc w/encl: See next page

E. Finley

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