



Serial: NPD-NRC-2008-083
December 9, 2008

10CFR52.79

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
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 047 RELATED TO
INITIAL PLANT TEST PROGRAM**

Reference: Letter from Manny Comar (NRC) to James Scarola (PEC), dated November 12, 2008, "Request for Additional Information Letter No. 047 Related to SRP Section 14.02- Initial Plant Test Program for the Shearon Harris Units 2 and 3 Combined License Application"

Ladies and Gentlemen:

Progress Energy Carolinas, Inc. (PEC) hereby submits our response to the Nuclear Regulatory Commission's (NRC) request for additional information provided in the referenced letter. A response to the NRC request is addressed in the enclosure.

If you have any further questions, or need additional information, please contact Bob Kitchen at (919) 546-6992, or me at (919) 546-6107.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 9, 2008.

Sincerely,

A handwritten signature in black ink, appearing to read 'Garry D. Miller'.

Garry D. Miller
General Manager
Nuclear Plant Development

Enclosure

cc : U.S. NRC Director, Office of New Reactors/NRLPO
U.S. NRC Office of Nuclear Reactor Regulation/NRLPO
U.S. NRC Region II, Regional Administrator
U.S. NRC Resident Inspector, SHNPP Unit 1
Mr. Manny Comar, U.S. NRC Project Manager

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NRC

**Shearon Harris Nuclear Power Plant Units 2 and 3
Response to NRC Request for Additional Information Letter No. 047 Related to
SRP Section 14.02 for the Combined License Application, dated November 12, 2008**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
14.02-2	H-0056	Response enclosed – see following pages

NRC Letter Number: HAR-RAI-LTR-047

NRC Letter Date: November 12, 2008

NRC Review of Final Safety Analysis Report

NRC RAI #: 14.02-2

Text of NRC RAI:

Regulatory Guide 1.68, Section C.1, "Criteria for selection of Plant Features to be Tested," provides the criteria for the selection of plant features to be tested during the conduct of the initial test program. Standard COL information item 14.4.5 of the Westinghouse DCD states that the COL applicant is responsible for testing that may be required of structures and systems which are outside the scope of the design certification. Shearon Harris COL application addresses COL information item 14.4.5 and provides test abstracts for the following interfacing systems: • Site specific seismic sensors • Storm Drains • Offsite ac Power system • Raw Water System • Sanitary Drainage System • Fire Brigade Support Equipment • Portable Personnel Monitors and Radiation Survey Instruments • Cooling Tower(s) The NRC staff requests that Progress Energy confirm that the test abstracts included in Section 14.2 of the Shearon Harris COL application to address COL information item 14.4.5 are applicable to Shearon Harris Units 2 & 3. In addition, the NRC staff requests that Progress Energy confirm that there are no additional site-specific structures, systems and/or design features that meet the criteria of Regulatory Position C.1 of RG 1.68 and that require testing be addressed in Section 14.2 of the Shearon Harris COL application.

PGN RAI #: H-0056

PGN Response to NRC RAI:

Progress Energy confirms that test abstracts included in Section 14.2 of the Shearon Harris COL application to address COL information item 14.4.5 are applicable to Shearon Harris Units 2 & 3. Additionally, there are no other site specific structures, systems and/or design features requiring testing, except for the Harris Lake Makeup Water System. Refer to the PEC response to HAR-RAI-LTR-032 (dated November 11, 2008, Serial NPD-NRC-2008-063) for information concerning testing of the Harris Lake Makeup Water System.

Associated HAR COL Application Revisions:

No COLA revisions have been identified associated with this response.

Attachments / Enclosures:

None.