Progress Energy

Serial: NPD-NRC-2009-218 10CFR52.79
October 19, 2009

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. 067 RELATED TO OFFSITE POWER SYSTEM

Reference: Letter from Tanya Simms (NRC) to James Scarola (PEC), dated September 18, 2009, "Request for Additional Information Letter No. 067 Related to SRP Section 08.02 for the 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 (727) 820-4481.

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

Executed on October 19, 2009.

Sincerely,

John Elnitsky
Vice President
Nuclear Plant Development

Enclosure

cc : U.S. NRC Region II, Regional Administrator
U.S. NRC Resident Inspector, SHNPP Unit 1
Mr. Brian Hughes, U.S. NRC Project Manager

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NRO

Progress Energy Carolinas, Inc.
P.O. Box 1551
Raleigh, NC 27602

Shearon Harris Nuclear Power Plant Units 2 and 3
Response to NRC Request for Additional Information Letter No. 067 Related to SRP Section 08.02 for the Combined License Application, dated September 18, 2009

NRC RAI #	Progress Energy RAI #	Progress Energy Response
08.02-18	H-0493	Response enclosed – see following pages

NRC Letter No.: HAR-RAI-LTR-067

NRC Letter Date: September 18, 2009

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 08.02-18

Text of NRC RAI:

Table 1.8-1 of the AP1000 design certification provides an interface item that states "the protective devices controlling the switchyard breakers are set with consideration given to preserving the plant grid communication following a turbine trip." This is to ensure that RCP bus voltage stays above the voltage required to maintain the flow assumed in the DCD Tier 2, Chapter 15 analyses for a minimum of 3 seconds following a turbine trip. Provide a reference to where this issue is discussed in the Harris application, or provide a proposed revision to the application to address the issue.

PGN RAI ID #: H-0493

PGN Response to NRC RAI:

The FSAR, Table 1.8-203 and subsection 8.2.1.2.1 will be revised in a future update to the HAR 2 and 3 COL application to address the interface item described above.

Associated HAR COL Application Revisions:

The revisions to the FSAR identified above were previously described in the Progress Energy response to NRC RAI Letter 65 (NPD-NRC-2009-200, dated August 31, 2009).

Attachments / Enclosures:

None.