



Serial: NPD-NRC-2008-075  
December 10, 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. 038 RELATED TO  
SEISMIC CLASSIFICATION**

Reference: Letter from Manny Comar (NRC) to James Scarola (PEC), dated November 1, 2008, "Request for Additional Information Letter No. 038 Related to SRP Section 03.02.01 – Seismic Classification 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 10, 2008.

Sincerely,

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

**Shearon Harris Nuclear Power Plant Units 2 and 3  
Response to NRC Request for Additional Information Letter No. 038 Related to  
SRP Section 03.02.01 for the Combined License Application, dated November 1, 2008**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
03.02.01-2	H-0266	Response enclosed – see following pages

**NRC Letter No.:** HAR-RAI-LTR-038

**NRC Letter Date:** November 1, 2008

**NRC Review of Final Safety Analysis Report**

**NRC RAI NUMBER:** 03.02.01-2

**Text of NRC RAI:**

Although the COLA includes certain site-specific SSCs as a supplement to the referenced DCD, the application does not appear to identify and seismically classify a complete list of SSCs that were not seismically classified within scope of the DCD, such as the circulating water system, and reactor vessel insulation that may or may not be considered site-specific. Also, for SSCs identified as site-specific in the COLA, such as the raw water system, it is not clear why these SSCs are not seismically classified in the COLA as a supplement. Clarify where and when these SSCs are to be seismically classified.

**PGN RAI ID #:** H-0266

**PGN Response to NRC RAI:**

There are no site-specific SSCs outside the scope of the DCD that are not included in DCD Tables 3.2-2 and 3.2-3 but that are to be seismically classified in the COL. The nonsafety-related SSCs outside the scope of the DCD are classified non-seismic (NS).

**Associated HAR COL Application Revisions:**

Associated clarifying changes to COLA Part 2, FSAR Chapter 3, Subsection 3.2.1, are provided with the response to NRC RAI Number 03.02.01-1.

**Attachments / Enclosures:**

None.