



James Scarola
Senior Vice President and Chief Nuclear Officer
Progress Energy Carolinas, Inc.

Serial: NPD-NRC-2008-044
October 22, 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. 013 RELATED TO
FIRE PROTECTION PROGRAM**

Reference: Letter from Tanya Simms (NRC) to James Scarola (PEC), dated September 22, 2008, "Request for Additional Information Letter No. 013 Related to SRP Section 09.05.01 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.

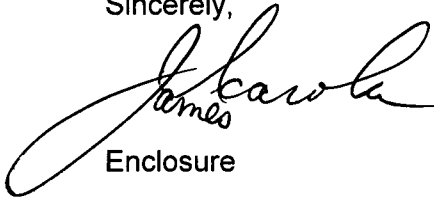
A response to each NRC request is addressed in the enclosure. The enclosure also identifies changes that will be made in a future revision of the Shearon Harris Nuclear Power Plant Units 2 and 3 application.

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

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

Executed on October 22, 2008.

Sincerely,



James Scarola

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

P.O. Box 1551
Raleigh, NC 27602

T> 919.546.4222
F> 919.546.2405

DO84
A006
HRO

**Shearon Harris Nuclear Power Plant Units 2 and 3
Response to NRC Request for Additional Information Letter No. 013 Related to
SRP Section 09.05.01 for the Combined License Application, dated September 22, 2008**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
09.05.01-1	H-0086	Response enclosed – see following pages
09.05.01-2	H-0087	Response enclosed – see following pages
09.05.01-3	H-0088	Response enclosed – see following pages

NRC Letter No.: HAR-RAI-LTR-013

NRC Letter Date: September 22, 2008

NRC Review of Final Safety Analysis Report

NRC RAI #: 09.05.01-1

Text of NRC RAI:

FSAR Subsection 13.1.2.1.3.9 states Supervisor - Fire Protection talks to Harris Nuclear Plant site Vice President via the Manager - Harris Engineering and Support; however, nothing is mentioned about communications via the Supt-Design Eng Support as shown on Figure 13.1-201. Figure 13.1-201 does not appear to match 13.1.2.1.3.9 – please make necessary corrections.

PGN RAI ID #: H-0086

PGN Response to NRC RAI:

The Supervisor - Fire Protection reports to the Vice President HNP via the Superintendent – Design Engineering, Manager – Harris Engineering and Support, and the Director – Site Operations (DSO).

Associated HAR COL Application Revisions:

The following changes will be made to the HAR FSAR in a future amendment:

1. Revise the first sentence of the last paragraph of FSAR Subsection 13.1.2.1.3.9 from:

“The Supervisor – Fire Protection reports through the Manager – Harris Engineering and Support to the Vice President – HNP who has ultimate responsibility for fire protection of the plant.”

To read:

“The Supervisor - Fire Protection reports to the Vice President – HNP, who has ultimate responsibility for fire protection of the plant, via the Superintendent – Design Engineering, Manager – Harris Engineering and Support, and the Director – Site Operations (DSO).”

Attachments/Enclosures:

None

NRC Letter No.: HAR-RAI-LTR-013

NRC Letter Date: September 22, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 09.05.01-2

Text of NRC RAI:

Clearly identify the role(s), responsibilities, educational requirements, and experience/knowledge requirements for the Lead Engineer - Fire Protection Program including the interaction between the Supervisor - Fire Protection.

State that the Supervisor - Fire Protection will also meet the educational and experience/knowledge requirements found in RG 1.189 Rev. 1 Position C.1.1 and C.1.6.

PGN RAI ID #: H-0087

PGN Response to NRC RAI:

FSAR Subsection 13.1.2.1.3.9 clearly states the role(s), responsibilities, educational requirements, and experience/knowledge requirements for the Lead Engineer - Fire Protection Program. This subsection states:

“Fire protection program implementation and maintenance are the responsibilities of the Lead Engineer – Fire Protection Program.”

and

“In accordance with Regulatory Guide 1.189 the Lead Engineer – Fire Protection Program is a graduate of an engineering curriculum of accepted standing and has completed not less than six years of engineering experience, three of which were in a responsible position in charge of fire protection engineering work.”

The roles of the Lead Engineer – Fire Protection Program and Supervisor – Fire Protection are described in FSAR Subsection 13.1.2.1.3.9.

The educational and experience/knowledge requirements are found in Section C.1.6 of Regulatory Guide 1.189, Revision 1. The Lead Engineer – Fire Protection Program meets the educational and experience/knowledge requirements of Regulatory Guide 1.189, Revision 1, Section C.1.6.1.a, since this engineer is responsible for the implementation and maintenance of the fire protection program (See FSAR Subsection 13.1.2.1.3.9). The Supervisor- Fire Protection does not need to meet the educational and experience/knowledge requirements of Regulatory Guide 1.189, Revision 1 as long as there is a fire protection engineer in the organization that meets these requirements (e.g., Lead Engineer – Fire Protection Program).

Associated HAR COL Application Revisions:

The following changes will be made to the HAR FSAR in a future amendment:

1. Revise the last sentence of FSAR Subsection 13.1.2.1.3.9 from:

“In accordance with Regulatory Guide 1.189 the Lead Engineer – Fire Protection Program is a graduate of an engineering curriculum of accepted standing and has completed not less than six years of engineering experience, three of which were in a responsible position in charge of fire protection engineering work.”

To read:

“The Lead Engineer – Fire Protection Program meets the educational and experience/knowledge requirements of Regulatory Guide 1.189, Revision 1, Section C.1.6.1.a.”

Attachments/Enclosures:

None

NRC Letter No.: HAR-RAI-LTR-013

NRC Letter Date: September 22, 2008

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 09.05.01-3

Text of NRC RAI:

FSAR Section 9.5.1.6 incorrectly refers to FSAR subsections 9.5.1.9.2 and 9.5.1.9.7 for the Personnel Qualification and Training requirements.

The applicant is to correct the references of 9.5.1.9.2 and 9.5.1.9.7 to 9.5.1.8.2 and 9.5.1.8.7 respectively.

PGN RAI ID #: H-0088

PGN Response to NRC RAI:

The correct references to refer to the Personnel Qualification and Training requirements are FSAR Subsections 9.5.1.9.1 and 9.5.1.8.7. FSAR Subsection 9.5.1.9.1 refers to other subsections in the FSAR containing information on qualification requirements.

Associated HAR COL Application Revisions:

The following changes will be made to the HAR FSAR in a future amendment:

1. Revise the second sentence of FSAR Section 9.5.1.6 from:

“Subsections 9.5.1.9.2 and 9.5.1.9.7 summarize the qualification and training programs that are established and implemented for the Fire Protection Program.”

To read:

“Subsections 9.5.1.9.1 and 9.5.1.8.7 summarize the qualification and training programs that are established and implemented for the Fire Protection Program.”

Attachments/Enclosures:

None