HarrisRAIsPEm Resource

From: Ravindra Joshi
Sent: Tuesday, September 23, 2008 4:05 PM
To: HarrisRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 015 RELATED TO SRP SECTION 06.04 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: HAR-RAI-LTR-015.doc

Hearing Identifier: HarrisCOL_eRAIs
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Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 015 RELATED TO SRP SECTION 06.04 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Sent Date: 9/23/2008 4:05:29 PM
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From: Ravindra Joshi

Created By: Ravindra.Joshi@nrc.gov

Recipients:
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September 23, 2008

James Scarola
Senior Vice President and
Chief Nuclear Officer
PO Box 1551
411 Fayetteville Street Mall
Raleigh NC 27602

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 015 RELATED TO SRP SECTION 06.04 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION

Dear Mr. Scarola:

By letter dated February 18, 2008, Progress Energy submitted its application to the U. S. Nuclear Regulatory Commission (NRC) for a combined license (COL) for two AP1000 advance passive pressurized water reactors pursuant to 10 CFR Part 52. The NRC staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the final safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Manny Comar, the lead project manager for the Harris combined license at 301-415-3863.

Sincerely,

/**RA**/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-022
52-023

Enclosure:
Request for Additional Information

CC: see next page

If you have any questions or comments concerning this matter, you may contact me at 301-415-6191 or you may contact Manny Comar, the lead project manager for the Harris combined license at 301-415-3863.

Sincerely,

/**RA**/

Ravindra G. Joshi, Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-022
52-023
ERAI Tracking No. 926

Enclosure:
Request for Additional Information

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DATE	8/4/08	8/14/08	8/29/08	9/11/08

*Approval captured electronically in the electronic RAI system.

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Shearon Harris
Progress Energy Carolinas, Inc.
Docket No. 52-022 and 52-023
SRP Section: 06.04 – Control Room Habitability System
Application Section: Section 6.4

QUESTION from Siting and Accident Consequences Branch (RSAC)

06.04-1
Shearon Harris Units 2 and 3 FSAR Table 2.3.4-206 provides control room atmospheric dispersion factors for various release points for the design basis accidents. These are compared to the AP1000 DCD Rev. 16 reference control room atmospheric dispersion factors used to calculate the control room design basis accident doses given in the AP1000 DCD, Rev. 16, Tier 2, Chapter 6.4. AP1000 DCD, Rev. 16, Table 15A-6, which is the comparable table in the AP1000 DCD for use in design basis radiological consequences analyses, includes a release point titled "Plant Vent or PCS Air Diffuser," which footnote 3 to the table states that the values are used in the radiological consequences analysis of the small line break outside containment accident. Provide the site-specific control room atmospheric dispersion factors in Shearon Harris Units 2 and 3 FSAR Table 2.3.4-206 for the small line break outside containment accident, for both the HVAC intake and control room door receptors.

06.04-2
In STD SUP 6.4-1, the dual unit analysis discusses the potential impact of an accident at one AP1000 unit on an adjacent AP1000 unit's control room at any site. The Harris COL site includes the existing Harris Unit 1, which the site plan figures in FSAR Chapters 2 and 3 shows will be adjacent to Harris Unit 2, and looks to be nearly as close as Unit 3 is to Unit 2. Discuss the impact of an accident at the adjacent Harris Unit 1 on the control room habitability at Units 2 and 3.