HarrisRAIsPEm Resource

From: Manny Comar
Sent: Wednesday, August 13, 2008 4:09 PM
To: HarrisRAIsPEm Resource
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 004 RELATED TO SRP SECTION 02.03.05 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Attachments: HAR-RAI-LTR-004.doc

Hearing Identifier: HarrisCOL_eRAIs
Email Number: 4

Mail Envelope Properties (3AF7DEF82ADA8944AD8247B7ED7FD65169818FD4A6)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 004 RELATED TO SRP SECTION 02.03.05 FOR THE HARRIS UNITS 2 AND 3 COMBINED LICENSE APPLICATION
Sent Date: 8/13/2008 4:09:22 PM
Received Date: 8/13/2008 4:09:25 PM
From: Manny Comar

Created By: Manny.Comar@nrc.gov

Recipients:
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MESSAGE	18	8/13/2008 4:09:25 PM
HAR-RAI-LTR-004.doc	50682	

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Priority: Standard
Return Notification: No
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Recipients Received:

August 13, 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. 004 RELATED TO SRP SECTION 02.03.05 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 301-415-3863.

Sincerely,

/**RA**/

Manny Comar, Lead 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 301-415-3863.

Sincerely,

/**RA**/

Manny Comar, Lead Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-022
52-023
ERAI Tracking No. 495

Enclosure:
Request for Additional Information

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NRO-002

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NAME	CCox*	MComar*	SBrock*	MComar*
DATE	6/17/08	7/11/08	7/11/08	7/11/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Shearon Harris
Progress Energy Carolinas, Inc.
Docket No. 52-022 and 52-023
SRP Section: 02.03.05 - Long-Term Atmospheric Dispersion Estimates for Routine Releases
Application Section: 2.3.5

QUESTIONS from Siting and Accident Consequences Branch (RSAC)

02.03.05-1

Please provide a reference to the AP1000 DCD for the building cross-sectional area and containment height used as input to the XOQDOQ model. The staff notes that DCD Section 3.8.1, Rev. 16, states that the containment vessel has a height of 215 feet, 4 inches.

02.03.05-2

Please specify whether the distances provided to the receptors of interest (i.e., milk cow, milk goat, garden, meat animal, resident) are from the center point of the proposed units or from the shortest distance from either proposed unit. Also, please include a reference in FSAR Section 2.3.5 for the receptor distances provided.

02.03.05-3

Please confirm the accuracy of the D/Q estimates for the nearest resident receptor for the north through south-southeast downwind sectors as presented in FSAR Table 2.3.5-202. For example, in the north sector the meat animal and resident are located at the same distance, however, the D/Q values differ by 242%.

02.03.05-4

In accordance with AP1000, Rev. 16, DCD Tier 2 Section 2.3.6.5 please include a table in FSAR Section 2.3.5 that shows that the maximum annual average site characteristic X/Q value is within the bounds of the corresponding site parameter value.