LeeRAIsPEm Resource

From: Brian Hughes
Sent: Monday, October 20, 2008 2:52 PM
To: LeeRAIsPEm Resource
Subject: RAI 451 REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 040 RELATED TO SRP SECTION 2.3.5 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION
Attachments: LEE-RAI-LTR-040.doc

Brian Hughes
Project Manager
NRO/DNRL/NWE1
US NRC
301-415-6582

Hearing Identifier: Lee_COL_RAI
Email Number: 47

Mail Envelope Properties (D841D501B2C4D244B75AB897F70C149481B28FB5B4)

Subject: RAI 451 REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 040 RELATED TO SRP SECTION 2.3.5 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION
Sent Date: 10/20/2008 2:52:13 PM
Received Date: 10/20/2008 2:52:14 PM
From: Brian Hughes

Created By: Brian.Hughes@nrc.gov

Recipients:
"LeeRAIsPEm Resource" <LeeRAIsPEm.Resource@nrc.gov>
Tracking Status: None

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MESSAGE	96	10/20/2008 2:52:14 PM
LEE-RAI-LTR-040.doc	52218	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

October 20, 2008

Mr. Peter S. Hastings, P.E.
Licensing Manager, Nuclear Plant Development
Duke Energy
526 South Church Street
Charlotte, NC 28201-1006

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 040 RELATED TO SRP SECTION 2.3.5 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION

Dear Mr. Hastings:

By letter dated December 12, 2007, as supplemented by letters dated January 28, 2008, February 6, 2008 and February 8, 2008, Duke 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 301-415-6582.

Sincerely,

/**RA**/

Brian Hughes, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-018
52-019

Enclosure:
Request for Additional Information

CC: see next page

P.Hastings

If you have any questions or comments concerning this matter, you may contact me at 301-415-6582.

Sincerely,

/**RA**/

Brian Hughes, Senior Project Manager
AP1000 Projects Branch 1
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-018
52-019

eRAI Tracking No. 451

Enclosure:
Request for Additional Information

Distribution:

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NRO-002

OFFICE	RSAC/BC	RSAC	OGC	NWE1/L-PM
NAME	CCox	TGalletta	SBrock*	BHughes*
DATE	9/10/08	10/18/08	08/31/08	10/20/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information No. 451
10/20/2008

William States Lee III, Units 1 and 2
Duke Energy Carolinas, LLC
Docket No. 52-018 and 52-019
SRP Section: 02.03.05 - Long-Term Atmospheric Dispersion Estimates for Routine Releases
Application Section: 2.3.5

QUESTIONS for Siting and Accident Conseq Branch (RSAC)

02.03.05-1

Please provide a reference to the AP1000 DCD section for the building cross-sectional area and containment height used as input to the XOQDOQ model.

02.03.05-2

RG 1.206, Section C.I.2.3.5.2, states that a COL applicant should discuss the suitability of input parameters, source configuration, and topography relating to long-term dispersion estimates. Please discuss the impact of the Broad River, McKowns Mountain, and other nearby topographical features on long-term dispersion estimates in FSAR Section 2.3.5, or justify an alternative approach.

02.03.05-3

Please provide a copy of the input files for XOQDOQ so the staff may conduct a confirmatory analysis of the information presented in FSAR Section 2.3.5.