LeeRAIsPEm Resource

From: Brian Hughes
Sent: Friday, October 03, 2008 12:49 PM
To: LeeRAIsPEm Resource
Subject: Emailing: LEE-RAI-LTR-28.doc REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 028 RELATED TO SRP SECTION 2.4.1 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION
Attachments: LEE-RAI-LTR-28.doc

The message is ready to be sent with the following file or link attachments:

LEE-RAI-LTR-28.doc

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Hearing Identifier: Lee_COL_RAI
Email Number: 35

Mail Envelope Properties (D841D501B2C4D244B75AB897F70C149481B02DE756)

Subject: Emailing: LEE-RAI-LTR-28.doc REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 028 RELATED TO SRP SECTION 2.4.1 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION
Sent Date: 10/3/2008 12:48:34 PM
Received Date: 10/3/2008 12:49:12 PM
From: Brian Hughes

Created By: Brian.Hughes@nrc.gov

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

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Files	**Size**	**Date & Time**
MESSAGE	313	10/3/2008 12:49:12 PM
LEE-RAI-LTR-28.doc	44142	

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

October 3, 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. 028 RELATED TO SRP SECTION 2.4.1 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. 818

Enclosure:
Request for Additional Information

Distribution:

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NRO-002

OFFICE	RHEB/BC	RHEB	OGC	NWE1/L-PM
NAME	RRaione*	NTiruneh*	MSpencer*	BHughes*
DATE	10/03/08	8/22/08	08/30/08	10/03/08

*Approval captured electronically in the electronic RAI system.

OFFICIAL RECORD COPY

Request for Additional Information No. 818
10/3/2008

William States Lee III, Units 1 and 2
Duke Energy Carolinas, LLC
Docket No. 52-018 and 52-019
SRP Section: 02.04.01 - Hydrologic Description
Application Section: 2.4

QUESTIONS for Hydrologic Engineering Branch (RHEB)

02.04.01-1

The applicant needs to describe the process followed to determine the conceptual models of the interface of the plant with the hydrosphere and those of the hydrologic causal mechanisms to ensure that the most conservative of plausible conceptual models has been identified.

02.04.01-2

Please provide spatially-referenced datasets used to delineate subbasins and derive surface and subsurface hydrologic and geologic properties in the vicinity of the Lee Nuclear Station site.

02.04.01-3

FSAR Section 2.4.1.1.3 states: “Finished floor Elevation 100 ft. of the nuclear island is set at 590 ft. above msl with the nuclear island basemat at 550.5 ft. above msl.” Clarify in the text of the FSAR what the 100 ft. floor elevation is referring to.

02.04.01-4

On a map, provide the locations of all intake and discharge structures within Make-up Ponds A and B. Provide a description of the mechanism to transfer water between these two make-up ponds. Provide a description of conditions during which water transfers between these two ponds will occur.

02.04.01-5

Describe the method used to fill gaps in the 81-year streamflow record for the Broad River.

02.04.01-6

Clarify the “subbasins” of Make-Up Pond B mentioned in FSAR Section 2.4.1.2.2.6. Describe any changes to be made to Make-Up Pond B prior to operation of LNS Units 1 and 2.

02.04.01-7

Describe the purpose of Hold-Up Pond A. Describe the hydrology of Hold-Up Pond A as it may relate to surface release pathways leading to the Broad River.

P.Hastings

02.04.01-8

Provide clarification regarding consistency of datums used throughout the FSAR Section 2.4.