

## PMLeeCol PEmails

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**From:** Brian Anderson  
**Sent:** Monday, August 11, 2008 3:57 PM  
**To:** pshastings@duke-energy.com; mcnolan@duke-energy.com; tjbowling@duke-energy.com; leenuclear@duke-energy.com; PMLeeCol PEmails  
**Cc:** Brian Hughes; Brian Anderson  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 002 RELATED TO SRP SECTION 10.04.05 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION  
**Attachments:** LEE RAI 002 - ML082240647.pdf  
**Importance:** High

Attached is RAI Letter No. 002 related to SRP Section 10.04.05 for the William States Lee III Units 1 and 2 combined license application. The ADAMS Accession number is ML082240647.

Brian Anderson  
301-415-9967  
Project Manager, AP1000 Projects Branch 1  
Office of New Reactors  
U.S. Nuclear Regulatory Commission

**Hearing Identifier:** Lee\_COL\_Public\_EX  
**Email Number:** 92

**Mail Envelope Properties** (CB87FC66F95637428C5E0D066E756B6F7C8AF988BE)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 002 RELATED TO  
SRP SECTION 10.04.05 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE  
APPLICATION

**Sent Date:** 8/11/2008 3:57:07 PM

**Received Date:** 8/11/2008 3:57:20 PM

**From:** Brian Anderson

**Created By:** Brian.Anderson@nrc.gov

**Recipients:**

"Brian Hughes" <Brian.Hughes@nrc.gov>

Tracking Status: None

"Brian Anderson" <Brian.Anderson@nrc.gov>

Tracking Status: None

"pshastings@duke-energy.com" <pshastings@duke-energy.com>

Tracking Status: None

"mcnolan@duke-energy.com" <mcnolan@duke-energy.com>

Tracking Status: None

"tjbowling@duke-energy.com" <tjbowling@duke-energy.com>

Tracking Status: None

"leenuclear@duke-energy.com" <leenuclear@duke-energy.com>

Tracking Status: None

"PMLeeCol PEmails" <PMLeeCol.PEmails@nrc.gov>

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	340	8/11/2008 3:57:20 PM
LEE RAI 002 - ML082240647.pdf		126317

**Options**

**Priority:** High

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

## LeeRAIsPEm Resource

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**From:** Brian Anderson  
**Sent:** Monday, August 11, 2008 3:27 PM  
**To:** LeeRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 002 RELATED TO SRP SECTION 10.04.05 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION  
**Attachments:** LEE-RAI-LTR-002.doc  
**Importance:** High

**Hearing Identifier:** Lee\_COL\_RAI  
**Email Number:** 2

**Mail Envelope Properties** (CB87FC66F95637428C5E0D066E756B6F7C8AF988A4)

**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 002 RELATED TO SRP SECTION 10.04.05 FOR THE WILLIAM STATES LEE III UNITS 1 AND 2 COMBINED LICENSE APPLICATION

**Sent Date:** 8/11/2008 3:27:19 PM

**Received Date:** 8/11/2008 3:27:24 PM

**From:** Brian Anderson

**Created By:** Brian.Anderson@nrc.gov

**Recipients:**

"LeeRAIsPEm Resource" <LeeRAIsPEm.Resource@nrc.gov>

Tracking Status: None

**Post Office:** HQCLSTR01.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	3	8/11/2008 3:27:24 PM
LEE-RAI-LTR-002.doc	51194	

**Options**

**Priority:** High

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

August 11, 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. 002 RELATED TO  
              SRP SECTION 10.04.05 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 301-415-9967 or you may contact Brian Hughes, the lead project manager for the William States Lee III combined license at 301-415-6582.

Sincerely,

**/RA/**

Brian C. Anderson, 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

If you have any questions or comments concerning this matter, you may contact me at 301-415-9967 or you may contact Brian Hughes, the lead project manager for the William States Lee III combined license at 301-415-6582.

Sincerely,

**/RA/**

Brian C. Anderson, Project Manager  
AP1000 Projects Branch 1  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-018  
52-019

eRAI Tracking No. 483

Enclosure:  
Request for Additional Information

Distribution:

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RidsRgn2MailCenter	RJoshi	
RidsNroDnrlNwe2	SBrock	

NRO-002

OFFICE	SBPA/BC	NWE1/PM	OGC	NWE1/L-PM
NAME	JSegala*	BAnderson*	SBrock*	BHughes*
DATE	6/16/08	7/01/08	7/08/08	8/11/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information**  
**William States Lee III Nuclear Station Units 1 and 2**  
**Duke Energy Carolinas, LLC**  
**Docket No. 52-018 and 52-019**  
**SRP Section: 10.04.05 - Circulating Water System**  
**Application Section: 10.4.5 - Circulating Water system**

**QUESTION from Balance of Plant Branch 1**

10.04.05-1

FSAR Section 10.4.5.2.1 states that the circulating water system (CWS) design parameters are provided in Table 10.4-202, "Supplemental Design Parameters for Major Circulating Water System Components." The staff compared these site-specific design parameters to the corresponding data in the DCD Tier 2 Table 10.4.5-1 and noted that the following design parameters for the cooling towers are not included in FSAR Table 10.4-202:

- Approach temperature (°F)
- Outlet temperature (°F)
- Approximate temperature range (°F)
- Heat transfer rate (Btu/hr)
- Wind velocity design (mph) and seismic criteria per Uniform Building Code

In reference to the STD COL 10.4-1 item, and with respect to FSAR Table 10.4-202, "Supplemental Design Parameters for Major Circulating Water System Components," please provide information to address all parameters from the corresponding Table 10.4.5-1 in AP1000 DCD, Revision 16, or justify its exclusion.