

## LeeRAIsPEm Resource

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**From:** Tanya Simms  
**Sent:** Wednesday, December 10, 2008 7:27 AM  
**To:** LeeRAIsPEm Resource  
**Subject:** Request for Additional Information Letter No. 057 Related to SRP Section 9.5.1 for the William States Lee III Units 1 and 2 Combined License Application  
**Attachments:** LEE-RAI-LTR-057.doc

**Hearing Identifier:** Lee\_COL\_RAI  
**Email Number:** 65

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**Subject:** Request for Additional Information Letter No. 057 Related to SRP Section 9.5.1  
for the William States Lee III Units 1 and 2 Combined License Application

**Sent Date:** 12/10/2008 7:26:45 AM

**Received Date:** 12/10/2008 7:26:45 AM

**From:** Tanya Simms

**Created By:** Tanya.Simms@nrc.gov

**Recipients:**  
"LeeRAIsPEm Resource" <LeeRAIsPEm.Resource@nrc.gov>  
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**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** Yes

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

December 8, 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. 057 RELATED TO  
SRP SECTION 09.05.01 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 301-415-1387 or you may contact Brian Hughes, the lead project manager for the William States Lee III combined license at 301-415-6582.

Sincerely,

**/RA/**

Tanya Simms, 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 301-415-1387 or you may contact Brian Hughes, the lead project manager for the William States Lee III combined license at 301-415-6582.

Sincerely,

**/RA/**

Tanya Simms, Project Manager  
 AP1000 Projects Branch 1  
 Division of New Reactor Licensing  
 Office of New Reactors

Docket Nos. 52-018  
 52-019

eRAI Tracking No. 1705  
 Enclosure:  
 Request for Additional Information

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NAME	RRadlinski*	TSimms*	MSpencer*	BHughes*
DATE	11/24/08	11/25/08	12/02/08	12/08/08

\*Approval captured electronically in the electronic RAI system.

**OFFICIAL RECORD COPY**

**Request for Additional Information No. 1705 Revision 0**  
**William States Lee III, Units 1 and 2**  
**Duke Energy Carolinas, LLC**  
**Docket No. 52-018 and 52-019**  
**SRP Section: 09.05.01 - Fire Protection Program**  
**Application Section: 09.05.01 and 9A**

**QUESTIONS for Fire Protection Team (SFPT)**

09.05.01-4

RG 1.206, Regulatory Position C.III.1, Section C.I.9.5.1.1 identifies that the COL applicant should provide site specific information on the fire water supply system. RG 1.189 states that fire water supplies should be filtered and treated as necessary to prevent or control biofouling or microbiologically induced corrosion (MIC) of fire water systems. COLA FSAR Section 9.2.11 identifies the Raw Water System (RWS) as the makeup water source to the primary and secondary fire water tanks. The RWS takes its water from the Broad River. The applicant needs to clarify that the FSAR's RWS treatment and clarifying process will be able to monitor and maintain an acceptable level of quality for use in fire protection systems, which includes addressing the issues of biofouling and MIC.

09.05.01-5

RG 1.189, Position 1.6.1 states that the engineer in charge of the fire protection program (FPP) should have training and experience in both fire protection and nuclear plant safety to provide a comprehensive approach in directing the FPP for the nuclear plant. However, the William Lee COLA makes no reference to the nuclear plant safety training and experience requirement for the engineer in charge of fire protection. The applicant should include this requirement in FSAR Section 13.1.2.1.2.9 or justify why the fire protection engineer is not required to have nuclear safety knowledge, training, and/or experience.