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July 5, 2011

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC (Duke Energy)  
William States Lee III Nuclear Station - Docket Nos. 52-018 and 52-019  
AP1000 Combined License Application for the  
William States Lee III Nuclear Station Units 1 and 2  
Responses to Request for Additional Information  
Ltr# WLG2011.07-02

References: Letter from Sarah Lopas (NRC) to Bryan Dolan (Duke Energy), *Request for Additional Information Regarding the Supplement to the Environmental Report for the William States Lee III Nuclear Station Units 1 and 2, Combined License Application*, dated June 22, 2010 (ML101370398)

This letter provides supplemental information for Duke Energy's response to the Nuclear Regulatory Commission's request for additional information (RAI) included in the referenced letter.

RAI 189 Supplement, Site Layout and Plant Description

The supplemental response to this NRC information request is addressed in the enclosure, which also identifies associated changes to the Combined License Application for the Lee Nuclear Station, when appropriate.

If you have any questions or need any additional information, please contact Peter S. Hastings, Nuclear Plant Development Licensing Manager, at 980-373-7820.

Ronald A. Jones  
Sr Vice President  
Nuclear Development

DO93  
NRD

U.S. Nuclear Regulatory Commission  
July 5, 2011  
Page 2 of 4

Enclosure:

- 1) RAI 189 Supplement, Site Layout and Plant Description

U.S. Nuclear Regulatory Commission  
July 5, 2011  
Page 3 of 4

xc (w/o enclosure):

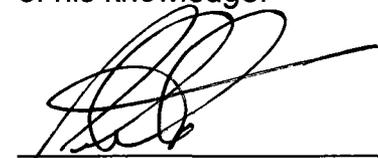
Loren Plisco, Deputy Regional Administrator, Region II  
Allen Fetter, Branch Chief, DSER

xc (w/ enclosure):

Sarah Lopas, Project Manager, DSER  
Brian Hughes, Senior Project Manager, DNRL  
Terri Miley, PNNL

AFFIDAVIT OF PETER S. HASTINGS

Peter S. Hastings, being duly sworn, states that he is Licensing Manager, Nuclear Development, Duke Energy Carolinas, LLC, that he is authorized on the part of said Company to sign and file with the U. S. Nuclear Regulatory Commission this supplement to the combined license application for the William States Lee III Nuclear Station and that all the matter and facts set forth herein are true and correct to the best of his knowledge.

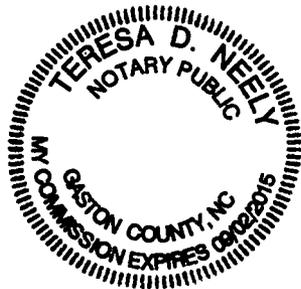
  
\_\_\_\_\_  
Peter S. Hastings

Subscribed and sworn to me on July 5, 2011

Teresa D. Neely  
\_\_\_\_\_  
Notary Public

My commission expires: 9/2/15

SEAL



**Lee Nuclear Station Response to Request for Additional Information (RAI)**

**RAI Letter Dated: June 22, 2010**

**Reference NRC RAI Number: ER RAI 189 Supplement, Site Layout and Plant Description**

**NRC RAI:**

Provide geo-referenced (GIS) data and legible graphics for the Lee Nuclear Station site and vicinity that has changed since the May 2008 GIS data submittal. Include metadata (source, scale, capture date, processing methods, data quality, etc.), and any layers that were used to revise or develop figures for ER Rev. 1 and the Supplement to the ER.

**Duke Energy Response:**

Duke Energy is supplementing the previous response to this RAI, pursuant to an additional request by the NRC staff.

Figure 3.1-6 illustrates the appearance of the Lee Nuclear Site with the proposed units. This figure is being updated to reflect the six mechanical-draft cooling towers (three for each unit) (refer to updated ER Figure 3.1-6 - Attachment 189S-01).

There are no other changes to the information provided in Reference 1 as a result of this update.

**Reference:**

1. Letter from B.J. Dolan to Document Control Desk, Duke Energy Carolinas, LLC, William States Lee III Nuclear Station - Docket Nos. 52-018 and 52-019, *AP1000 Combined License Application for the William States Lee III Nuclear Station Units 1 and 2, Response to Request for Additional Information*, Ltr# WLG2010.07-06, dated July 16, 2010 (ML102100214)

**Associated Revision to the Lee Nuclear Station Combined License Application:**

ER Figure 3.1-6 (CD)

**Attachment:**

Attachment 189S-01 CD Containing Updated ER Figure 3.1-6, Lee Nuclear Station, Units 1 - 2

Attachment 189S-01

CD Containing Updated ER Figure 3.1-6  
Lee Nuclear Station, Units 1 - 2