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March 9, 2009

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

Subject: 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# WLG2009.03-07

Reference: Letter from L.M. Tello (NRC) to B.J. Dolan (Duke Energy), *Request for Additional Information Regarding the Environmental Review of Combined License Application for William States Lee Nuclear Station Units 1 and 2*, dated January 21, 2009

This letter provides the Duke Energy response to the Nuclear Regulatory Commission's (NRC) request for the following additional information (RAI) item included in the referenced letter:

RAI 105, Radiological Health

This response to this NRC request is addressed in a separate enclosure, which also identifies associated changes, when appropriate, that will be made in a future revision of the Williams States Lee III Nuclear Station application.

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

Bryan J. Dolan
Vice President
Nuclear Plant Development

D093
NRC


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Enclosure:

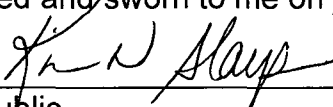
- 1) Response to RAI 105, Radiological Health

AFFIDAVIT OF BRYAN J. DOLAN

Bryan J. Dolan, being duly sworn, states that he is Vice President, Nuclear Plant 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.

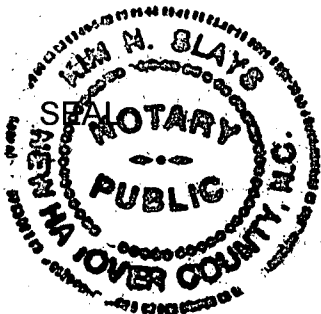


Bryan J. Dolan

Subscribed and sworn to me on March 9, 2009


Notary Public

My commission expires: April 19, 2010



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xc (w/o enclosure):

Loren Plisco, Deputy Regional Administrator, Region II
Mark Tonnaci, Acting Branch Chief, DNRL
Robert Schaaf, Branch Chief, DSER

xc (w/ enclosure):

Linda Tello, Project Manager, DSER
Brian Hughes, Senior Project Manager, DNRL

Lee Nuclear Station Response to Request for Additional information (RAI)

RAI Letter Dated: January 21, 2009

Reference NRC RAI Number: ER RAI 105

NRC RAI:

Doses in ER Table 5.4-9 could not be replicated using NRC Dose and input values from the ER. Verify that the maximum organ indicated in Table 5.4-9 is correct, or provide updates.

Table 5.4-9 (Estimated Population Dose from Liquid effluents via the Aquatic Food Pathway) indicates Liver as the maximum organ for population dose. The numeric values in the ER for Liver dose are the same as NRC dose calculated numeric value for Thyroid.

Duke Energy Response:

The response to ER RAI 39 (ML083520212) indicated that the calculation for the liquid pathway was revised. The response for ER RAI 39 provided a revision of ER Table 5.4-9 indicating that for population doses, the thyroid receives the maximum dose.

The calculation is available for inspection at Duke Energy's office in Charlotte, NC or at our consultants' offices in Richland, WA and Bethesda, MD.

Associated Revisions to the Lee Nuclear Station Combined License Application:

None.

Associated Attachments:

None.