



CHRISTOPHER M. FALLON  
Vice President  
Nuclear Development

Duke Energy  
EC09D/526 South Church Street  
Charlotte, NC 28201-1006

Mailing Address:  
EC09D / P.O. Box 1006  
Charlotte, NC 28201-1006

o: 704.382.9248  
c: 704.519.6173  
f: 704.382.2038

christopher.fallon@duke-energy.com

July 17, 2013

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

10 CFR 52.79

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  
Partial Response to Request for Additional Information (RAI No. 6419)  
Ltr# WLG2013.07-04

- References:
1. Letter from Brian Hughes (NRC) to Christopher Fallon (Duke Energy), Request for Additional Information Letter No. 105 Concerning Implementation of Fukushima Near-Term Task Force Recommendations for the William States Lee III Units 1 and 2 Combined License Application, dated April 25, 2012 (ML12116A336)
  2. May 16, 2013 Public Meeting to Discuss Duke Energy's Seismic Review for William States Lee III Units 1 and 2 Combined License Application (ML13122A458 – Meeting Notice, and ML13135A471 – Meeting Slides)

During the May 16, 2013 public meeting (Reference 2), Duke Energy discussed developing the response to NRC's Letter No. 105. During this discussion Duke Energy conveyed it will likely be necessary to demonstrate the AP1000 is qualified for hard-rock seismic inputs greater than those currently documented in the AP1000 DCD, Revision 19. Enclosure 1 to this letter contains the public version of a technical report prepared by Westinghouse Electric Company (WEC) to document the assessment of AP1000 building structures and equipment for a seismic input exceeding the DCD Hard Rock High Frequency (HRHF), to identify margins currently documented, and to identify topics requiring additional analysis to confirm their adequacy for increased seismic inputs. The report also identifies methods and approaches that will be used in that confirmation. A proprietary version of this report is also being provided in a separate letter.

As proposed during the May 16, 2013 public meeting, Duke Energy requests an NRC review of the technical report contained in Enclosure 1, and that NRC conduct a technical audit of that report and its supporting documentation at WEC's Cranberry, Pennsylvania offices. To support timely submittal of a response to NRC's Letter No. 105 and completion of an updated license application, we request that this audit be conducted by September 15, 2013.

DOA3  
NRO

U.S. Nuclear Regulatory Commission  
July 17, 2013  
Page 2 of 4

If you have any questions or need any additional information, please contact Robert H. Kitchen, Nuclear Development Licensing Director, at (704) 382-4046.

I declare under penalty of perjury that the foregoing is true and correct. Executed on July 17, 2013.

Sincerely,

A handwritten signature in black ink that reads "Christopher M. Fallon". The signature is written in a cursive style with a prominent initial 'C'.

Christopher M. Fallon  
Vice President  
Nuclear Development

U.S. Nuclear Regulatory Commission  
July 17, 2013  
Page 3 of 4

Enclosure:

1. Lee Nuclear Station, Westinghouse Electric Company Report, WLG-1000-S2R-003, Revision 1, *Summary of CEUS HRHF Task 1 – Evaluation of Floor Response Spectra and TR115 Component Margins*

U.S. Nuclear Regulatory Commission  
July 17, 2013  
Page 4 of 4

xc (w/out enclosures):

Frederick Brown, Deputy Regional Administrator, Region II

xc (w/ enclosures):

Brian Hughes, Senior Project Manager, DNRL