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July 12, 2012

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
10 CFR 50.46 Thirty Day Report
Ltr # WLG2012.07-03

The purpose of this letter is to provide a required thirty day report in accordance with 10 CFR 50.46, "Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors" for the combined license (COL) application submitted for William States Lee III (WLS) Nuclear Station.

On June 13, 2012, Westinghouse Electric Company (WEC) submitted a thirty day report (Letter number DCP_NRC_003214) to document the effects of fuel thermal conductivity degradation (TCD) and peaking factor burndown on the Large Break Loss-of-Coolant Accident (LBLOCA) Analysis of Record for the AP1000 Standard Plant Design. A summary of the updated peak cladding temperature (PCT) allocations and their bases including a proposed schedule for re-analysis of the LBLOCA were provided in the WEC report.

Duke Energy's COL application for the proposed WLS Nuclear Station Units 1 and 2 incorporates by reference the Generic AP1000 Design Control Document (DCD), as modified by departures, and thus utilizes the peak cladding temperature calculations performed by WEC. Therefore, the WEC thirty day report and WEC reanalysis schedule are also applicable to the WLS Units 1 and 2 COL application.

If you have any questions or need any additional information, please contact Robert H. Kitchen, Nuclear Development Licensing Manager, at (919) 546-6992.

Sincerely,

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Brian Hughes, Senior Project Manager, DNRL