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

Subject: Duke Energy Carolinas, LLC (Duke).
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 Annual Report
Ltr # WLG2009.03-06

- References: 1) Letter from W. E. Cummins, Westinghouse Electric Corporation (WEC) to Nuclear Regulatory Commission (NRC), 10 CFR 50.46 Report for the AP1000 Standard Plant Design, dated February 15, 2008 (ML080510189)
- 2) Letter from Robert Sisk, Westinghouse Electric Corporation (WEC) to Nuclear Regulatory Commission (NRC), 10 CFR 50.46 Annual Report for the AP1000 Standard Plant Design, dated February 13, 2009 (ML090490094)

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

WEC addressed the initial 10 CFR 50.46 report for the AP1000 Standard Plant Design (Docket 52-006) in Reference 1. In accordance with 10 CFR 50.46(a)(3), a design certification holder is required to report certain changes to the NRC. WEC updated the analysis and reported a change in the calculated peak cladding temperature in their Annual Report to the NRC as required by 10 CFR 50.46 (Reference 2). Enclosure 1 of the Annual Report Letter contains the updated WEC analysis. This same regulation requires a similar report from any COL applicant affected by the change. Duke's COL application for the Lee Nuclear Station incorporates by reference the AP1000 design control document (DCD), and thus it utilizes the peak cladding temperature calculations performed by WEC. Therefore, the above referenced information submitted by WEC to the NRC is applicable to the Lee Nuclear Station AP1000 COL application.

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



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