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April 23, 2014

U.S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, D.C. 20555-0001

10 CFR 50.46

**SUBJECT:** William States Lee III Nuclear Station (WLS), Units 1 and 2  
Docket Nos. 52-018 and 52-019  
Ltr# : WLG2014.04-01

Levy Nuclear Plant (LNP), Units 1 and 2  
Docket Nos. 52-029 and 52-030  
Shearon Harris Nuclear Power Plant (HAR), Units 2 and 3  
Docket Nos. 52-022 and 52-023  
Serial: NPD-NRC-2014-011

**10 CFR 50.46 ANNUAL REPORT**

Reference: 1) Letter from Paul A. Russ, Westinghouse Electric Company (WEC), to the Nuclear Regulatory Commission (NRC), 10 CFR 50.46 Annual Report for the AP1000 Standard Plant Design, Letter No. DCP\_NRC\_003262, dated March 31, 2014

Ladies and Gentlemen:

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 William States Lee III Nuclear Station Units 1 and 2, Levy Nuclear Plant, Units 1 and 2, and Shearon Harris Nuclear Power Plant, Units 2 and 3.

A design certification holder is required to report to the NRC in accordance with 10 CFR 50.46(a)(3). This same regulation requires a similar report from any combined license (COL) applicant if the applicant is also affected by the change. The Duke Energy applications for the William States Lee III Nuclear Station Units 1 And 2, Levy Nuclear Plant, Units 1 and 2, and Shearon Harris Nuclear Power Plant, Units 2 and 3, incorporate by reference the AP1000 design certification document (DCD) and thus, also utilize the peak cladding temperature calculations performed by WEC, as such the WEC report is also applicable to the Lee, Levy and Harris AP1000 COL applications.

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

Sincerely,

Robert H. Kitchen  
Director – Nuclear Licensing  
Nuclear Development

Attachment: Reference 1

D093  
NR0

- cc: (without attachment)  
U.S. NRC Region II, Regional Administrator  
U.S. NRC Resident Inspector SHNPP Unit 1
- cc: (with attachment)  
Mr. Donald Habib, U.S. NRC Project Manager  
Mr. Brian Hughes, U.S. NRC Project Manager