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May 5, 2009

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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
Environmental Report (Part 3) for William States Lee III Nuclear Station
Units 1 and 2 Combined License Application
Thermal Discharge Modeling
Ltr # WLG2009.05-01

Reference: Letter from Bryan J. Dolan (Duke Energy) to R. William Borchardt (NRC),
*Application for Combined License for William States Lee III Nuclear
Station Units 1 and 2*, dated December 12, 2007

Letter from Bryan J. Dolan (Duke Energy) to Document Control Desk
(NRC), *Revision 1 to the Environmental Report (Part 3) and Revision 2 to
Withheld Information (Part 9) for William States Lee III Nuclear Station
Units 1 and 2 Combined License Application*, dated March 30, 2009

The Environmental Report (Part 3) for the William States Lee III Nuclear Station Units 1 and 2, Combined License Application contains a discussion of projected thermal discharges using the CORMIX Hydrodynamic Mixing Zone Model. As discussed with the Nuclear Regulatory Commission Staff, Duke Energy commissioned the development of a Computational Fluid Dynamics model to evaluate thermal mixing in the receiving water. We anticipate completion of the modeling in August 2009. This letter informs the NRC that subsequent to completion of the report on the Computational Fluid Dynamics model, Duke Energy intends to supplement the conclusions in the Environmental Report with information obtained from the Computational Fluid Dynamics model.

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

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