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September 7, 2006

United States Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555-0001

Subject: Duke Power Company LLC d/b/a
Duke Energy Carolinas, LLC (Duke)
McGuire Nuclear Station Units 1 and 2
Docket Nos. 50-369 and 50-370
Update on Corrective Actions to Resolve the
Auxiliary Feedwater System Air Entrainment
Condition

Reference 1: Duke letter To NRC dated April 25, 2006

The purpose of this letter is to provide another update on Duke's plans for resolving an Operable But Degraded Non-conforming (OBDN) condition which currently exists on the Auxiliary Feedwater (CA) system at McGuire Nuclear Station (McGuire).

As stated in our April 25, 2006 letter, McGuire would provide a committed schedule for implementing the corrective actions to resolve the CA system air entrainment OBDN condition on both units upon completion of vendor testing and design validation. The testing conducted demonstrated that the modifications under design would not resolve the subject OBDN conditions. As a result, McGuire was forced to abandon the design work in progress and start design work on alternative system modifications.

Unit 2 piping modification work will begin during the Unit 2 refueling outage scheduled to start on September 16, 2006 and continue after the Unit 2 outage until the start of the Unit 1 refueling outage. Although the Unit 1 design details are still under development, piping modification work is anticipated to begin no later than the Unit 1 refueling outage scheduled to start on March 17, 2007.

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Once all the design work is complete, McGuire will provide a committed schedule for implementing the corrective actions to resolve the CA system air entrainment OBDN condition on both units.

Please contact Lee Hentz at 704-875-4187 or Jim Mead at 704-875-4129 if any questions arise.

Sincerely,

A handwritten signature in cursive script that reads "Gary R. Peterson". The signature is written in black ink and is positioned above the printed name.

Gary R. Peterson

xc:

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