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April 3, 2009

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

Subject: Duke Energy Carolinas, LLC  
Oconee Nuclear Station, Units 1, 2, and 3  
Docket Nos. 50-269, 50-270, 50-287  
Response to Supplemental Request for Additional Information Associated with  
Cyber Security Features of the Oconee Nuclear Station Reactor Protective  
System and Engineered Safeguards Protective System Digital Upgrade

On January 30, 2008, Duke Energy Carolinas, LLC (Duke) submitted a letter addressing the cyber security features of the Reactor Protective System (RPS) and Engineered Safeguards Protective System (ESPS) design change. The proposed change replaces the current analog based RPS/ESPS with a digital computer based RPS/ESPS. Duke responded to a September 26, 2008, request for additional information (RAI) associated with this LAR by letter dated November 6, 2008. By letter dated March 9, 2009, NRC issued a supplemental RAI. The enclosure contains Duke's responses to this supplemental RAI.

The enclosure contains a description of design features that secure the RPS/ESPS from electronic vulnerabilities. As such, Duke considers the information in the enclosure to be sensitive information and requests that it be withheld from public disclosure pursuant to 10 CFR 2.390.

If there are any questions regarding this submittal, please contact Boyd Shingleton at (864) 873-4716.

I declare under penalty of perjury that the foregoing is true and correct. Executed on April 3, 2009.

Sincerely,

Dave Baxter, Site Vice President  
Oconee Nuclear Station

Enclosure:

RPS/ESPS Cyber Security Features – RAI Response

Enclosure contains Sensitive Information-Withhold under 10 CFR 2.390

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MRR

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