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February 27, 2008

ATTN: Document Control Desk
Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC
Oconee Nuclear Site
License No. SNM-2503, Docket No. 72-4
Independent Spent Fuel Storage Installation
Annual Effluent Release Report

Gentlemen:

In accordance with 10 CFR 72.44 (d)(3), Duke Power Company LLC d/b/a Duke Energy Carolinas, LLC (Duke), hereby submits the annual report specifying the quantity of each of the principal radionuclides released to the environment in liquid and gaseous effluents during the previous 12 months of operation of the Independent Spent Fuel Storage Installation (ISFSI).

Duke confirms that there were no releases of radioactive material from the Oconee ISFSI during the reporting period. This conclusion is based on the following:

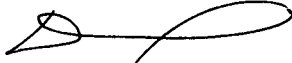
- a. The double-sealed welded dry storage canisters (DSCs) in-service are fabricated from non-corrosive materials and are designed to maintain confinement for all normal, off-normal and accident conditions during storage, as well as during severe environmental events (e.g. tornado, earthquake). In addition, the monitoring of DSC surface contamination was within the limits given in Technical Specifications 2.4.1 which provides assurance that any offsite dose was inconsequential.
- b. There were no ISFSI off-normal or accident conditions or severe environmental phenomena during the reporting period.
- c. Radiological dose data acquired at the ISFSI perimeter supports the conclusion.

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Should there be any questions concerning this report please contact Judy E. Smith,
Oconee Regulatory Compliance, at 864-885-4309.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Dave Baxter', with a large, stylized loop at the end.

Dave Baxter
Site Vice President
Oconee Nuclear Site

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xc: Mr. Victor McCree
Acting Regional Administrator, Region II

Mr. L. N. Olshan
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Mr. D. W. Rich
Senior Resident Inspector, ONS

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