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February 27, 2007

Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: Oconee Nuclear Site Independent Spent Fuel Storage
Installation (ISFSI), Docket Nos. 72-4, 72-40
Annual Effluent Release Report

Gentlemen:

In accordance with 10 CFR 72.44 (d) (3), Duke Energy Corporation 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).

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) 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).
- b. There were no ISFSI off-normal or accident conditions or severe environmental phenomena during the reporting period.
- c. Dose data acquired at the ISFSI support the conclusion.

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

Very truly yours,

A handwritten signature in black ink that reads "Bruce Hamilton". The signature is written in a cursive style with a prominent flourish at the end.

B. H. Hamilton
Site Vice President
Oconee Nuclear Site

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