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U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant
Edwin I. Hatch Nuclear Plant
ISFSI Annual Radioactive Effluent Release Report

Ladies and Gentlemen:

In accordance with 10 CFR 72.44(d)(3), Southern Nuclear Operating Company (SNC) 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 period of operation of the Independent Spent Fuel Storage Installation (ISFSI) in the previous calendar year at Joseph M. Farley Nuclear Plant (FNP) and Edwin I. Hatch Nuclear Plant (HNP).

By the design of the seal welded storage canisters of the ISFSI, there are no plausible effluent release pathways. Periodic surveillances and radiological surveys of and around the facilities performed during the year confirm that the canister and overpack assemblies are performing as designed. The effluent releases from the ISFSI at FNP and HNP for the 2010 calendar year are zero.

This letter contains no NRC commitments. If you have any questions, please advise.

Respectfully submitted,

A handwritten signature in black ink that reads "Mark J. Ajluni". The signature is written in a cursive, flowing style.

M. J. Ajluni
Nuclear Licensing Director

MJA/SYA/lac

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. L. M. Stinson, Vice President - Farley
Mr. D. R. Madison, Vice President – Hatch
Ms. P. M. Marino, Vice President – Engineering
RType: CFA04.054; CHA02.004

U. S. Nuclear Regulatory Commission
Mr. V. M. McCree, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Farley
Mr. P. G. Boyle, NRR Project Manager – Hatch
Mr. E. L. Crowe, Senior Resident Inspector – Farley
Mr. E. D. Morris, Senior Resident Inspector – Hatch