

Mark J. Ajluni, P.E.
Nuclear Licensing Director

Southern Nuclear
Operating Company, Inc.
40 Inverness Center Parkway
Post Office Box 1295
Birmingham, Alabama 35201
Tel 205.992.7673
Fax 205.992.7885



February 21, 2012

Docket Nos.: 50-321 50-348
50-366 50-364
72-36 72-42

NL-12-0282

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

Joseph M. Farley Nuclear Plant
Edwin I. Hatch Nuclear Plant
Independent Spent Fuel Storage Installation
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 2011 calendar year are zero.

This letter contains no NRC commitments. If you have any questions, please contact Jack Stringfellow at (205) 992-7037

Respectfully submitted,

A handwritten signature in cursive script that reads "Mark J. Ajluni".

M. J. Ajluni
Nuclear Licensing Director

MJA/EGA/lac

U. S. Nuclear Regulatory Commission

NL-12-0282

Page 2

cc: Southern Nuclear Operating Company
Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer
Mr. T. A. Lynch, Vice President – Farley
Mr. D. R. Madison, Vice President – Hatch
Mr. B. L. Ivey, Vice President – Regulatory Affairs
Mr. B. J. Adams, Vice President – Fleet Operations
RType: Farley=CFA04.054; Hatch=CHA02.004

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