

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

August 22, 2012



Docket Nos.: 50-321
50-366
72-36

NL-12-1770

ATTN: Document Control Desk
Director, Division of Spent Fuel Storage and Transportation
Office of Nuclear Material Safety and Safeguards
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555-0001

Edwin I. Hatch Nuclear Plant
Independent Spent Fuel Storage Installation
Registration of Spent Fuel Cask Use

Ladies and Gentlemen:

Southern Nuclear Operating Company (SNC) operates the Edwin I. Hatch Nuclear Plant (Hatch) Independent Spent Fuel Storage Installation (ISFSI) in accordance with the general license provisions of 10 CFR 72.210. The requirements of 10 CFR 72.212(b)(2) include the registration of a spent fuel cask within 30 days of using a cask for the storage of spent nuclear fuel. Accordingly, SNC provides the following registration information associated with the HI-STORM 100 spent fuel cask systems placed into storage on July 27, 2012 and August 17, 2012.

Cask Certificate:	72-1014, Amendment 3
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	318
Overpack Serial Number:	479
Number of Fuel Bundles:	68
Placed in Service:	July 27, 2012

Cask Certificate:	72-1014, Amendment 3
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	319
Overpack Serial Number:	480
Number of Fuel Bundles:	68
Placed in Service:	August 17, 2012

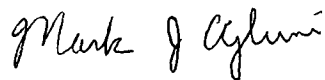
NM5526
NM5524

The addition of the above casks results in the following totals for the Hatch ISFSI:

3 HI-STAR 100 Cask Systems
47 HI-STORM 100 Cask Systems

This letter contains no NRC commitments. Please contact me at (205) 992-7673 if you have any questions.

Respectfully submitted,



M. J. Ajluni
Nuclear Licensing Director

MJA/TWS/ts

cc: Southern Nuclear Operating Company
Mr. S. E. Kuczynski, Chairman, President & CEO
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer
Mr. D. R. Madison, Vice President – Hatch
Mr. B. L. Ivey, Vice President – Regulatory Affairs
Mr. B. J. Adams, Vice President – Fleet Operations
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission
Mr. V. M. McCree, Regional Administrator
Mr. R. E. Martin, NRR Senior Project Manager - Fleet
Mr. E. D. Morris, Senior Resident Inspector – Hatch
Mr. M.O. Miller, Senior Project Engineer, NRC Region II