

**Southern Nuclear
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August 15, 2007

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

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NL-07-1580

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:

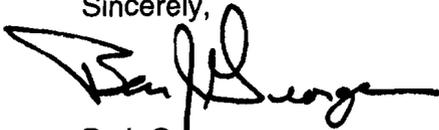
Southern Nuclear Operating Company (SNC) operates the Edwin I. Hatch Nuclear Plant (HNP) Independent Spent Fuel Storage Installation (ISFSI) in accordance with the general license provisions of 10 CFR 72.210. The requirements of 10 CFR 72.212(b)(1)(ii) include the registration of a spent fuel cask within 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 system placed into storage in the HNP ISFSI on August 10, 2007.

Cask Certificate:	72-1014 Amendment 2
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	181
Overpack Serial Number:	256
Number of Fuel Bundles:	68
Placed in Service:	August 10, 2007

Total Cask Systems stored in the Hatch ISFSI:	3 HI-STAR 100 Cask Systems 30 HI-STORM 100 Cask Systems
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This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read "B. J. George". The signature is fluid and cursive, with a large initial "B" and "G".

B. J. George
Manager, Nuclear Licensing

BJG/MNW/daj

cc: Southern Nuclear Operating Company
Mr. J. T. Gasser, Executive Vice President
Mr. D. R. Madison, Vice President – Hatch
Mr. D. H. Jones, Vice President – Engineering
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. R. E. Martin, NRR Project Manager – Hatch
Mr. J. A. Hickey, Senior Resident Inspector – Hatch
Mr. J. R. Hall, NMSS Project Manager