

**Southern Nuclear  
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*Energy to Serve Your World<sup>SM</sup>*

September 14, 2007

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

NL-07-1732

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 31, 2007.

Cask Certificate:	72-1014 Amendment 2
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	182
Overpack Serial Number:	257
Number of Fuel Bundles:	68
Placed in Service:	August 31, 2007

Total Cask Systems stored in the Hatch ISFSI:	3 HI-STAR 100 Cask Systems 31 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 "Ben J. George", written over a horizontal line.

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