

**Southern Nuclear  
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August 18, 2008

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

NL-08-1292

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 systems placed into storage in the HNP ISFSI on July 25, 2008 and August 15, 2008.

Cask Certificate:	72-1014 Amendment 3
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	196
Overpack Serial Number:	276
Number of Fuel Bundles:	68
Placed in Service:	July 25, 2008

Cask Certificate:	72-1014 Amendment 3
Cask Model:	HI-STORM 100S, Version B
MPC Serial Number:	197
Overpack Serial Number:	277
Number of Fuel Bundles:	68
Placed in Service:	August 15, 2008

Total Cask Systems stored in the Hatch ISFSI:

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

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

Sincerely,



M. J. Ajluni  
Manager, Nuclear Licensing

MJA/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  
Mr. L. A. Reyes, 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