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

NL-12-1261

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 system placed into storage on May 18, 2012.

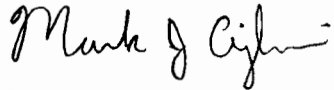
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|-------------------------|--------------------------|
| Cask Certificate: | 72-1014, Amendment 3 |
| Cask Model: | HI-STORM 100S, Version B |
| MPC Serial Number: | 317 |
| Overpack Serial Number: | 478 |
| Number of Fuel Bundles: | 68 |
| Placed in Service: | May 18, 2012 |

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

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

This letter contains no NRC commitments. Please contact Mr. Jack Stringfellow at (205) 992-7037 if you have any questions.

Respectfully submitted,



M. J. Ajluni
Nuclear Licensing Director

MJA/TWS/lac

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. P. G. Boyle, NRR Senior Project Manager – Hatch
Mr. E. D. Morris, Senior Resident Inspector – Hatch