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August 14, 2000

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

HL-5975

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

**Edwin I. Hatch Nuclear Plant
Independent Spent Fuel Storage Installation
Registration of Use of Two Spent Fuel Casks**

Ladies and Gentlemen:

Per the requirements of 10 CFR 72.212(b)(ii), Southern Nuclear Operating Company (SNC) is providing registration of use of two spent fuel storage casks to store fuel. The cask systems used were Holtec International's Hi-Star 100 storage and transportation systems. The casks were loaded using the provisions of the general license for storage provided by 10 CFR 72.210.

BWR fuel was stored in two Multi-Purpose Canisters (MPCs), which were placed into two Hi-Star 100 overpacks, and placed into the Hatch Independent Spent Fuel Storage Installation (ISFSI). As required by the subject regulation, the following information is provided:

Cask Certificate: 72-1008
Cask Model: HI-STAR 100 Cask System
MPC Serial Number: 003
Overpack Serial Number: HI-STAR 100-003
Number of Fuel Bundles: 68
Loading and Transfer to the ISFSI completed on July 26, 2000

Cask Certificate: 72-1008
Cask Model: HI-STAR 100 Cask System
MPC Serial Number: 002
Overpack Serial Number: HI-STAR 100-002
Number of Fuel Bundles: 68
Loading and Transfer to the ISFSI completed on August 10, 2000

Total Cask Systems stored
in the Hatch ISFSI: 3 HI-STAR 100 Cask Systems

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If you have any questions regarding spent fuel storage under this general license, contact Jim Wade, Project Engineer, Hatch Nuclear Engineering and Licensing, at (205) 992-7408.

Respectfully submitted,



H. L. Sumner, Jr.

JAW/eb

cc: Southern Nuclear Operating Company
Mr. P. H. Wells, Nuclear Plant General Manager
SNC Document Management (R-Type A02.001)

U.S. Nuclear Regulatory Commission, Washington, D.C.
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U.S. Nuclear Regulatory Commission, Region II
Mr. L. A. Reyes, Regional Administrator
Mr. J. T. Munday, Senior Resident Inspector - Hatch