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July 26, 2000

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

HL-5956

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 Spent Fuel Cask**

Ladies and Gentlemen:

Per the requirements of 10 CFR 72.212(b)(ii), Southern Nuclear Operating Company (SNC) is providing registration of use of a spent fuel storage cask to store fuel. On July 6, 2000, Plant Hatch completed loading and transfer of a spent fuel cask to the on site Independent Spent Fuel Storage Installation (ISFSI).

The cask system used was Holtec International's Hi-Star 100 storage and transportation system. The cask was loaded using the provisions of the general license for storage provided by 10 CFR 72.210.

Sixty-eight BWR fuel bundles were stored in a Multi-Purpose Canister (MPC), which was placed into a Hi-Star 100 overpack, and placed into the Hatch 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: 001
Overpack Serial Number: HI-STAR 100-001

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,

A handwritten signature in cursive script that reads "Lewis Sumner".

H. L. Sumner, Jr.

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cc: (See next page.)

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U. S. Nuclear Regulatory Commission

Page 2

July 26, 2000

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.
Mr. L. N. Olshan, Project Manager - Hatch

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