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July 19, 2000

Docket Nos. 50-321
50-366

HL-5960

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

**Edwin I. Hatch Nuclear Plant
FSAR and FHA Amendments**

Ladies and Gentlemen:

In accordance with the provisions of 10 CFR 50.71, Southern Nuclear Operating Company (SNC) hereby submits 1 signed original and 10 copies of this amendment to the Final Safety Analysis Reports (FSARs) (Revision 18C) and the Fire Hazards Analysis and Fire Protection Program (FHA) (Revision 18C) for Plant Hatch Units 1 and 2.

Prior FSAR amendments 18A (January 2000) and 18B (March 2000), and prior FHA amendment 15A (January 2000), in conjunction with enclosed FSAR amendment 18C and FHA amendment 18C, reflect plant changes through January 2000, thereby satisfying the requirements of 10 CFR 50.71.

In accordance with NEI 98-03 Revision 1, section A6, SNC hereby reports the following substantial information removed from the Units 1 and 2 FSARs in amendment 18C:

- For the entirety of the Units 1 and 2 FSARs, engineering drawings are now referenced in the text by their drawing identification number, in lieu of inclusion as figures. Both the Units 1 and 2 engineering drawings that are part of the FSAR are also listed in Unit 2 FSAR table 1.1-1. Specifically, these engineering drawings are considered incorporated by reference into the FSAR, as defined in NEI 98-03 Revision 1 (i.e., the drawings are still subject to the update and reporting requirements of 10 CFR 50.71 and change controls of 10 CFR 50.59). Engineering drawings, such as piping and instrumentation diagrams, will continue to be updated independent of the FSAR as part of the plant's configuration management program. The latest version of all engineering drawings listed in table 1.1-1 will be supplied for the enclosed FSAR amendment 18C and each future FSAR amendment by a separate letter.
- Unit 1 FSAR table 7.3-1 and Unit 2 FSAR table 6.2-5 have been consolidated into the Units 1 and 2 Technical Requirements Manual (TRM) tables T7.0-1, Primary Containment Penetrations, with redundant and obsolete information removed. The Units 1 and 2 TRM tables T7.0-1 are now referenced in the FSAR, in lieu of the deleted FSAR tables, and have been incorporated by reference into the FSAR, as defined in NEI 98-03 Revision 1. This change is justified by the similarity of the information contained in the respective FSAR and TRM tables.

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U.S. Nuclear Regulatory Commission

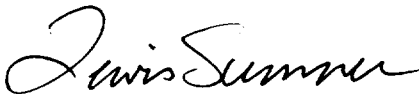
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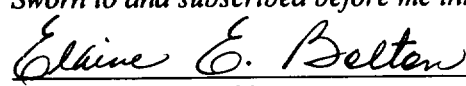
- Selected, predominately identical information for the Units 1 and 2 FSARs has been deleted from the Unit 1 FSAR and consolidated into the respective Unit 2 FSAR chapters, with redundant and obsolete information removed. Such changes impact Chapter 1 (introduction and general plant description); Chapter 2 (site characteristics); and Chapter 7 (instrumentation and control) of both Units 1 and 2 FSARs. Information in the Unit 2 FSAR applicable to both units has been so designated consistent with past practice. These changes are justified by the similarity of the information contained in the respective FSAR sections.

In accordance with 10 CFR 50.71(e), Mr. H. L. Sumner, Jr. states he is a Vice President of Southern Nuclear Operating Company and is authorized to execute this oath on behalf of Southern Nuclear Operating Company, and to the best of his knowledge and belief, the information contained in the enclosed FSAR amendment accurately presents changes made since the previous submittal, necessary to reflect information and analyses submitted to the Commission or prepared pursuant to Commission requirements.

Respectfully submitted,



H. L. Sumner, Jr.

Sworn to and subscribed before me this 19th day of July 2000.

Notary Public My commission expires: May 25, 2003

CLT/eb

Enclosures:

1. Plant Hatch Unit 1 FSAR Amendment 18C
2. Plant Hatch Unit 2 FSAR Amendment 18C
3. Plant Hatch Units 1 and 2 FHA Amendment 18C

cc: (See next page.)

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cc: Southern Nuclear Operating Company (w/o enclosures)
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, Licensing Project Manager - Hatch

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

State of Georgia (w/o enclosures)
Mr. L.C. Barrett, Commissioner - Department of Natural Resources