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Docket No.: 50-321

NL-08-0350

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555-0001

**Edwin I. Hatch Nuclear Plant**  
**Core Shroud Stabilizer Assembly Update**

Ladies and Gentlemen:

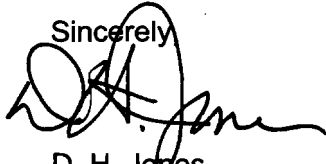
In Southern Nuclear Operating Company (SNC) letter NL-07-1155 dated August 14, 2007 SNC requested NRC approval of a proposed modification to each of the four core shroud stabilizer assemblies. In that letter, SNC proposed to replace the Hatch Unit 1 stabilizer assembly upper supports and tie rod top nuts during the 2008 Refueling Outage (1RFO23).

During the 2008 refueling outage (1RFO23), the upper support brackets were replaced at locations 135° and 315°. Although plans called for the upper support brackets at all four locations (45°, 135°, 225°, and 315°) to be replaced, the upper bracket at location 225° could not be replaced during 1RFO23 and it was decided to defer replacement of the symmetric upper support bracket at 45° as well. The 45° and 225° brackets were reexamined using IVVI and the results documented. Evaluation of the inspection results of the 225° bracket demonstrates that the bracket does not pose a hazard during the next operating cycle of the Unit 1 reactor. No anomalies were observed on the 45° bracket.

Because analysis of the UT examination of the Plant Hatch Unit 1 shroud horizontal welds has demonstrated that the original design function is maintained and there is adequate structural margin for the next cycle of operation without crediting the repair hardware, SNC requests that completion of the installation of the modified core shroud stabilizer assemblies described in the August 14, 2007 letter be extended until the 2010 refueling outage (1RFO24).

This letter contains no NRC commitments. If you have any questions, please advise Mr. Ray D. Baker at 205-992-7367.

Sincerely,

A handwritten signature in black ink, appearing to read 'D. H. Jones', written over the word 'Sincerely,'.

D. H. Jones  
Vice President – Engineering

DHJ/PAH/daj

cc: Southern Nuclear Operating Company  
Mr. J. T. Gasser, Executive Vice President  
Mr. D. R. Madison, Vice President – Hatch  
RTYPE: CHA02.004

U. S. Nuclear Regulatory Commission  
Mr. V. M. McCree, Acting Regional Administrator  
Mr. R. E. Martin, NRR Project Manager – Hatch  
Mr. J. A. Hickey, Senior Resident Inspector – Hatch