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

Edwin I. Hatch Nuclear Plant
Technical Specifications Bases Changes for 2005

Ladies and Gentlemen:

Enclosed you will find the Technical Specifications (TS) Bases Changes implemented at Plant Hatch during 2005. This is being provided per the requirements of TS Section 5.5.11.d Technical Specifications Bases Control Program.

This letter contains no NRC commitments. If you have any questions, please advise.

Sincerely,

H. L. Sumner, Jr.

HLS/OCV/sdl

Enclosure: Technical Specifications Bases Changes for 2005

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

U. S. Nuclear Regulatory Commission
Dr. W. D. Travers, Regional Administrator
Mr. C. Gratton, NRR Project Manager – Hatch
Mr. D. S. Simpkins, Senior Resident Inspector – Hatch

Enclosure

**Edwin I. Hatch Nuclear Plant
Units 1 and 2
Technical Specifications Bases Changes for 2005**

Enclosure
Edwin I. Hatch Nuclear Plant – Units 1 and 2
Technical Specifications Bases Changes for 2005

Licensing Document Change Request (LDCR) 2005-043, Section B 3.6.1.1 and B 3.6.1.2

This LDCR revised the value for the peak post accident primary containment internal pressure (P_a) in Bases section B 3.6.1.1 and B 3.6.1.2, "Primary Containment," and "Primary Containment Air Lock" to 50.8 psig on Unit 1 and 47.3 psig on Unit 2. The higher values of P_a were approved by NRC in the change to Technical Specifications (TS) administrative control section 5.5.12, "Primary Containment Leakage Rate Testing Program," Amendments 241 and 186 for Units 1 and 2, respectively. The above listed Bases sections were revised to conform to the new TS P_a values. The TS values changed as a result of an increase in the normal reactor operating pressure necessary to support a recent power uprate.

LDCR 2005-038, Section B 3.6.1.5

This LDCR added a paragraph to Units 1 and 2 Bases section B 3.6.1.5, "Drywell Air Temperature." The addition to the Surveillance Requirement (SR) 3.6.1.5.1 indicates that plant procedures contain guidance on how to determine a volumetric average drywell temperature if some or all of the normal temperature channels were to become inoperable. The addition also asserts that a correction factor is also included in the plant procedure, and that it may have to be used depending on how many normal instrument channels are out of service.

LDCR 2005-0012, Section B 3.3.3.1 and B 3.6.3.1

This LDCR supported the TS change which eliminated the Unit 2 Post-LOCA Hydrogen Recombiners from the TS. Additionally, the TS change also removed the Hydrogen and Oxygen monitors from the TS. Accordingly, this Bases change removed the Post-LOCA Hydrogen Recombiner write-up from the Unit 2 TS (Section B 3.6.3.1), as well as removing the Hydrogen and Oxygen monitor write-ups from the Units 1 and 2 Post-Accident Monitoring Instrumentation Section of the Bases, B 3.3.3.1.

LDCR 2005-005, Unit 2 Section B 3.6.1.3.10

This LDCR added two secondary containment bypass leakage paths to Unit 2 SR 3.6.1.3.10. This SR requires a quantization of all the bypass leakage paths and verification that the total remains below $.009 L_a$, where L_a is the maximum primary containment leakage rate, defined in Section 5.5.12 of the TS. The Bases section for the noted TS SR lists the bypass leakage paths. This LDCR added the condensate drain pots to the main condenser drain paths for the High Pressure Coolant Injection and Reactor Core Isolation Cooling systems.