



~~OFFICIAL USE ONLY PROPRIETARY INFORMATION~~
UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 2, 2016

Mr. Charles R. Pierce
Regulatory Affairs Director
Southern Nuclear Operating Company, Inc.
P.O. Box 1295 / Bin 038
Birmingham, AL 35201-1295

SUBJECT: EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2 – REQUEST FOR
ADDITIONAL INFORMATION (CAC NO. MF8309)

Dear Mr. Pierce:

By letter dated August 29, 2016, Southern Nuclear Operating Company, Inc. requested an amendment to the Technical Specifications (TS) for the Edwin I. Hatch Nuclear Plant, Unit No. 2. The license amendment request proposes to revise TS 2.1.1.2, "Reactor Core SLs [Safety Limits]," to change the safety limit minimum critical power ratio from:

- (1) greater than or equal to (\geq) 1.09 to greater than or equal to (\geq) 1.10 for two recirculation loop operation, and
- (2) greater than or equal to (\geq) 1.12 to greater than or equal to (\geq) 1.13 for single recirculation loop operation.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that additional information is needed to continue its review. A clarification call was held on October 27, 2016, between your staff and representatives of the NRC concerning this request for additional information. During that call, Mr. McElroy agreed to respond to the enclosed request for additional information within 30 days of the date of this letter.

Enclosure 1 contains Proprietary information. When separated from Enclosure 1, this letter is DECONTROLLED.

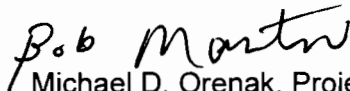
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C. Pierce

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If you have any questions, please contact me at 301-415-3229 or Michael.Orenak@nrc.gov.

Sincerely,



Michael D. Orenak, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-366

Enclosures

1. Request for Additional Information (Proprietary)
2. Request for Additional Information (Nonproprietary)

cc w/Enclosure 2: Distribution via Listserv

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REQUEST FOR ADDITIONAL INFORMATION

LICENSE AMENDMENT REQUEST TO REVISE TECHNICAL SPECIFICATION 2.1.1.2

SOUTHERN NUCLEAR OPERATING COMPANY, INC.

EDWIN I. HATCH NUCLEAR PLANT, UNIT NO. 2

DOCKET NO. 50-366

By letter dated August 29, 2016 (Agencywide Documents Access and Management System Accession No. ML16245A257), Southern Nuclear Operating Company, Inc. (SNC, the licensee) requested an amendment to the Technical Specifications (TS) for the Edwin I. Hatch Nuclear Plant, Unit No. 2. The license amendment request proposes to revise TS 2.1.1.2, "Reactor Core SLs [Safety Limits]," to change the safety limit minimum critical power ratio (SLMCPR) from:

- (1) greater than or equal to (\geq) 1.09 to greater than or equal to (\geq) 1.10 for two recirculation loop operation, and
- (2) greater than or equal to (\geq) 1.12 to greater than or equal to (\geq) 1.13 for single recirculation loop operation.

The U.S. Nuclear Regulatory Commission staff has determined that the following requests for additional information (RAI) are required to complete its review.

RAI 1

The SLMCPR shall have appropriate margin to reasonably protect the integrity of fuel to meet the requirements of Title 10 of the *Code of Federal Regulations*, Part 50, Appendix A, "General Design Criteria for Nuclear Power Plants, Criterion 10, "Reactor Design." Table 3 of Global Nuclear Fuel-Americas, LLC report GNF-003N7688-R1-P, "GNF Additional Information Regarding the Requested Changes to the Technical Specification SLMCPR, Hatch 2 Cycle 25," (non-public, proprietary) showed TS single-loop operation SLMCPR to be 1.13, which is rounded from the **[[]]**.¹

Please provide justification for the apparent non-conservative rounding from **[[]]** to 1.13, or demonstrate that use of this rounding convention is not significant with respect to the margin of safety.

¹ The text between boldface brackets **[[]]** contains proprietary information.

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C. Pierce

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If you have any questions, please contact me at 301-415-3229 or Michael.Orenak@nrc.gov.

Sincerely,

/RA/ Bob Martin for

Michael D. Orenak, Project Manager
Plant Licensing Branch II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-366

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