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September 20, 2001

Docket Nos. 50-321  
50-366



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

Edwin I. Hatch Nuclear Plant  
Request to Revise Technical Specifications:  
Quarterly Surveillance Extension

Ladies and Gentlemen:

In accordance with the provisions of 10 CFR 50.90, Southern Nuclear Operating Company (SNC) hereby requests changes to Operating License Nos. DPR-57 and NPF-5, and Appendices A thereto for the Edwin I. Hatch Nuclear Plant (HNP) Units 1 and 2, respectively. The license amendment proposes that Surveillance Requirements (SRs) be changed as identified to refine the frequency of performance.

This request is similar in format and methodology to the First Energy Perry Nuclear Power Plant Fuel Cycle Extension, which was reviewed and approved by the NRC through a Safety Evaluation Report and License Amendment dated August 31, 2000. Although this change does not involve a fuel cycle change, the methods for extending surveillance intervals are applicable. A Probabilistic Risk Assessment (PRA) sensitivity study was also performed in support of the recommended changes. As demonstrated in the license amendment request, the proposed changes will not adversely impact safety.

Enclosure 1 to this letter contains a discussion of the methodology used to evaluate the acceptability of the revised intervals for Functional Test and Calibration performance. Enclosure 2 contains the Drift Study Cross Reference. Enclosure 3 contains the HNP-specific Drift Analysis Design Guide, which was used in the development of this submittal. Enclosure 4 contains the Bases for Change Request for Extended Intervals. Enclosure 5 contains the Bases for Change Request for Reduced Intervals. Enclosure 6 contains the 10 CFR 50.92 Evaluation and Environmental Assessment. Enclosure 7 contains the page change instructions and the Technical Specifications revised pages (Unit 1 and Unit 2). Enclosure 8 contains the associated marked-up Technical Specifications pages (Unit 1 and Unit 2). Enclosure 9 contains the revised Technical Specifications Bases pages (Unit 1 and Unit 2) provided for information only. Enclosure 10 contains the marked-up Technical Specifications Bases pages (Unit 1 and Unit 2) also provided for information only.

In compliance with the requirements of 10 CFR 51.41, Enclosure 6 provides detailed information concerning the environmental effects of Edwin I. Hatch Nuclear Plant Unit 1 and Unit 2 surveillance interval changes and demonstrates the proposed action has no individual or cumulative adverse effect upon the human environment. This information is provided to aid the Commission in complying with Section 102(2) of the National Environmental Policy Act.

ADD

September 20, 2001

The following two areas of revision are proposed by this License Amendment request:

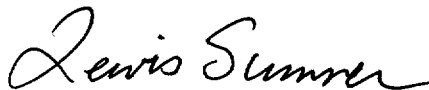
1. Proposed revisions to SR intervals from 92 days to 184 days based upon the results of the HNP Performance History Review and HNP Instrument Drift Study.
2. Proposed revisions to SR intervals from 92 days to 18 months, based upon operational characteristics of the devices, results of the HNP Performance History Review.
3. Proposed administrative revisions supporting the preceding areas of revision.

Issuance of this amendment is requested by September 14, 2002.

In accordance with the requirements of 10 CFR 50.91, a copy of this letter and all applicable enclosures will be sent to the designated State official of the Environmental Protection Division of the Georgia Department of Natural Resources.

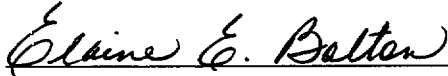
Mr. H. L. Sumner, Jr. states he is Vice President of Southern Nuclear Operating Company and is authorized to execute this oath on behalf of Southern Nuclear Operating Company, and to the best of his knowledge and belief, the facts set forth in this letter are true.

Respectfully submitted,



H. L. Sumner, Jr.

Sworn to and subscribed before me this 20<sup>th</sup> day of September 2001.



Notary Public

Commission Expiration Date: May 25, 2003

TWL/eb

Enclosures:

1. Methodology Summary and Compliance with Generic Letter 91-04
2. Drift Study Cross Reference
3. Instrument Drift Analysis Methodology - Drift Analysis Design Guide
4. Bases for Change Request for Extended Intervals
5. Bases for Change Request for Reduced Intervals
6. 10 CFR 50.92 Evaluation and Environmental Assessment
7. Revised Technical Specifications Pages
8. Marked-Up Technical Specifications Pages
9. Revised Bases Pages
10. Marked-Up Bases Pages

cc: (See next page.)

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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

State of Georgia  
Mr. L. C. Barrett, Commissioner - Department of Natural Resources