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Docket Nos.: 50-321  
50-366

HL-6003

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

**Edwin I. Hatch Nuclear Plant  
Technical Specification Change Request  
Incorporating the Revision to 10 CFR 50.59**

Ladies and Gentlemen:

In accordance with the provisions of 10 CFR 50.90, Southern Nuclear Operating Company (SNC) proposes to amend the Hatch Nuclear Plant (HNP) Unit 1 and Unit 2 Technical Specifications (TS). The amendment will revise TS 5.5.11, "Technical Specification Bases Control Program," to provide consistency with the changes to 10 CFR 50.59 as published in the Federal Register (64 FR 53582) dated October 4, 1999.

This change is consistent with the Nuclear Energy Institute (NEI) Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler, TSTF-364 Revision 0, "Revision to TS Bases Control Program to Incorporate Changes to 10 CFR 50.59." The approval of TSTF-364 Revision 0 was documented in NRC letter to Mr. James W. Davis, Director Operations Department – Nuclear Energy Institute (NEI) dated June 16, 2000.

The basis for the proposed change is provided in Attachment 1. As defined by 10 CFR 50.92, SNC has determined that the proposed change does not involve a significant hazards consideration. The supporting significant hazards evaluation is provided in Attachment 2. The proposed Technical Specifications change is provided in Attachment 3. In accordance with 10 CFR 50.91(b)(1), a copy of the proposed change has been sent to Mr. L. C. Barrett, Commissioner, Department of Natural Resources. SNC has determined the proposed change will not significantly affect the quality of the human environment.

SNC requests that this amendment be approved by January 19, 2001 with an implementation date to correspond with the implementation of the new 10 CFR 50.59 rule.

A001

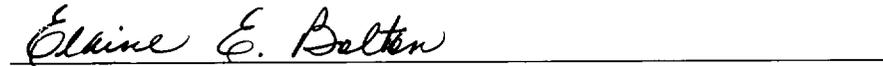
Mr. H. L. Sumner, Jr. states that he is a Vice President of Southern Nuclear Operating Company and is authorized to execute this oath on behalf of Southern Nuclear Operating Company and that, to the best of his knowledge and belief, the facts set forth in this letter are true.

SOUTHERN NUCLEAR OPERATING COMPANY



H. L. Sumner, Jr.

Sworn to and subscribed before me this 3<sup>rd</sup> day of November 2000



Notary Public

My Commission Expires: May 25, 2003

HLS/JMG

- Attachments:
1. Basis for Proposed Change
  2. Significant Hazards Evaluation
  3. Technical Specifications Changed Page List, Mark-up and Typed Pages

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

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

**Attachment 1**

**Edwin I. Hatch Nuclear Plant  
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**Basis for Proposed Change**

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**Basis for Proposed Change**

**Description of Change**

Technical Specification 5.5.11, "Technical Specifications (TS) Bases Control Program," requires a program for processing changes to the Bases of the Technical Specifications. TS 5.5.11b. states: "Licensees may make changes to the Bases without prior NRC approval provided the changes do not involve either of the following: 1. a change in the TS incorporated in the license; or 2. a change to the updated FSAR or Bases that involves an unreviewed safety question as defined in 10 CFR 50.59."

TS 5.5.11b.2. is revised to state: "a change to the updated FSAR or Bases that requires NRC approval pursuant to 10 CFR 50.59."

**Background**

10 CFR 50.59 establishes the conditions under which licensees may make changes to the facility or procedures and conduct tests or experiments without prior NRC approval.

In 1999, the NRC revised the regulation (Federal Register – 64 FR 53582 dated October 4, 1999) controlling changes, tests and experiments performed by nuclear plant licensees. The changes were prompted by the need to resolve differences in interpretation of the rule's requirements by the industry and the NRC. The rule changes had two principal objectives, both aimed at restoring much needed regulatory stability to this extensively used regulation:

- Establish clear definitions to promote common understanding of the rule's requirements.
- Clarify the criteria for determining when changes, tests and experiments require prior NRC approval.

The changes approved by the Commission in 1999 made 10 CFR 50.59 more focused and efficient by:

- Providing greater flexibility to licensees, primarily by allowing changes that have minimal safety impact to be made without prior NRC approval.
- Clarifying the threshold for "screening out" changes that do not require full evaluation under 10 CFR 50.59, primarily by adoption of key definitions.

Proposed changes, tests and experiments that satisfy the definitions and one or more of the criteria in the rule must be reviewed and approved by the NRC before implementation.

As indicated above, the Bases Control Program required by TS 5.5.11 allows licensees to make changes to the Bases without NRC approval provided the change does not involve a change to the updated FSAR or Bases that involves an unreviewed safety question as defined in 10 CFR 50.59. With the revisions to 10 CFR 50.59, the definition of unreviewed safety questions was eliminated. Therefore, the TS should be revised consistent with the revision to 10 CFR 50.59.

## Justification

The NRC amended its regulations concerning the authority for licensees of production or utilization facilities, such as nuclear reactors, and independent spent fuel storage facilities, and for certificate holders for spent fuel storage casks, to make changes to the facility or procedures, or to conduct tests or experiments, without prior NRC approval. The final rule clarifies the specific types of changes, tests, and experiments conducted at a licensed facility or by a certificate holder that require evaluation, and revises the criteria that licensees and certificate holders must use to determine when NRC approval is needed before such changes, tests, or experiments can be implemented. The final rule also adds definitions for terms that have been subject to differing interpretations, and reorganizes the rule language for clarity.

10 CFR 50.59 was revised to state, in part:

- (c) (1) A licensee may make changes in the facility as described in the final safety analysis report (as updated), make changes in the procedures as described in the final safety analysis report (as updated), and conduct tests or experiments not described in the final safety analysis report (as updated) without obtaining a license amendment pursuant to Section 50.90 only if:
  - (i) A change to the technical specifications incorporated in the license is not required, and
  - (ii) The change, test, or experiment does not meet any of the criteria in paragraph (c)(2) of this section.
- (2) A licensee shall obtain a license amendment pursuant to Section 50.90 prior to implementing a proposed change, test, or experiment if the change, test, or experiment would:
  - (i) Result in more than a minimal increase in the frequency of occurrence of an accident previously evaluated in the final safety analysis report (as updated);
  - (ii) Result in more than a minimal increase in the likelihood of occurrence of a malfunction of a structure, system, or component (SSC) important to safety previously evaluated in the final safety analysis report (as updated);
  - (iii) Result in more than a minimal increase in the consequences of an accident previously evaluated in the final safety analysis report (as updated);
  - (iv) Result in more than a minimal increase in the consequences of a malfunction of an SSC important to safety previously evaluated in the final safety analysis report (as updated);
  - (v) Create a possibility for an accident of a different type than any previously evaluated in the final safety analysis report (as updated);
  - (vi) Create a possibility for a malfunction of an SSC important to safety with a different result than any previously evaluated in the final safety analysis report (as updated);
  - (vii) Result in a design basis limit for a fission product barrier as described in the FSAR (as updated) being exceeded or altered; or
  - (viii) Result in a departure from a method of evaluation described in the FSAR (as updated) used in establishing the design bases or in the safety analyses.

### **Environmental Review**

The proposed change to the TS Bases Control Program does not alter any design requirements, equipment specifications or safety analyses modeling assumptions. The change does not require any hardware modifications. The plant operating procedures are not impacted. Therefore the proposed change will not increase the type or amount of any effluent which may be released offsite or the individual or cumulative occupational radiation exposure. In addition, SNC has determined that the proposed change involves no significant hazards consideration and that the human environment is not affected by this amendment. As such, this change meets the criterion for “categorical exclusion” for not requiring an environment review in accordance with 10 CFR 51.22.

### **Summary**

The TS Bases Control Program required by TS 5.5.11 allows licensees to make changes to the TS Bases without NRC approval provided the changes do not involve either a change in the TS incorporated in the license or a change to the updated FSAR or TS Bases that involves an unreviewed safety question as defined in 10 CFR 50.59. With the revision to 10 CFR 50.59, the definition of unreviewed safety questions was eliminated. Therefore, the TS are revised consistent with the revision to 10 CFR 50.59 and are acceptable.

**Attachment 2**

**Edwin I. Hatch Nuclear Plant  
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**Significant Hazards Evaluation**

Edwin I. Hatch Nuclear Plant  
Technical Specification Change Request  
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**Significant Hazards Evaluation**

**Change Description**

In accordance with the provisions of 10 CFR 50.90, Southern Nuclear Operating Company (SNC) proposes to amend the Hatch Nuclear Plant (HNP) Unit 1 and Unit 2 Technical Specifications (TS). The amendment will revise TS 5.5.11, "Technical Specification Bases Control Program," to provide consistency with the changes to 10 CFR 50.59 as published in the Federal Register (64 FR 53582) dated October 4, 1999.

Technical Specifications 5.5.11 Technical Specifications (TS) Bases Control Program, requires a program for processing changes to the Bases of the Technical Specifications. TS 5.5.11b. states: "Licensees may make changes to the Bases without prior NRC approval provided the changes do not involve either of the following: 1. a change in the TS incorporated in the license; or 2. a change to the updated FSAR or Bases that involves an unreviewed safety question as defined in 10 CFR 50.59."

TS 5.5.11b.2. is revised to state: "a change to the updated FSAR or Bases that requires NRC approval pursuant to 10 CFR 50.59."

This change is consistent with the Nuclear Energy Institute (NEI) Technical Specification Task Force (TSTF) Standard Technical Specification Change Traveler, TSTF-364 Revision 0, "Revision to TS Bases Control Program to Incorporate Changes to 10 CFR 50.59." The approval of TSTF-364 Revision 0 was documented in NRC letter to Mr. James W. Davis, Director Operations Department - NEI dated June 16, 2000.

**10 CFR 50.92 Evaluation**

The proposed amendment will revise TS 5.5.11, "Technical Specification (TS) Bases Control Program," to provide consistency with the changes to 10 CFR 50.59 as published in the Federal Register (64 FR 53582) dated October 4, 1999.

Conformance of the proposed amendment to the standards for a determination of no significant hazard as defined in 10 CFR 50.92 is shown in the following.

1. Does the change involve a significant increase in the probability or consequences of an accident previously evaluated?

The proposed change deletes the reference to unreviewed safety question as defined in 10 CFR 50.59. Deletion of the definition of unreviewed safety question was approved by the NRC with the revision of 10 CFR 50.59. Consequently, the probability of an accident previously evaluated is not significantly increased. Changes to the TS Bases are still evaluated in accordance with 10 CFR 50.59. As a result, the consequences of any accident previously evaluated are not significantly affected. Therefore, this change does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. Does the change create the possibility of a new or different kind of accident from any accident previously analyzed?

The proposed change does not involve a physical alteration of the plant (no new or different type of equipment will be installed) or a change in the methods governing normal plant operation. Therefore, this change does not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. Does the change involve a significant reduction in a margin of safety?

The proposed change will not reduce a margin of safety because it has no direct effect on any safety analyses assumptions. Changes to the TS Bases that result in meeting the criteria in paragraph 10 CFR 50.59 (c)(2) will still require NRC approval pursuant to 10 CFR 50.59. This change is administrative in nature based on the revision to 10 CFR 50.59. Therefore, the proposed change does not involve a significant reduction in a margin of safety.

Based on the previous information, the proposed changes do not involve a significant hazards consideration as defined in 10 CFR 50.92.

### **Conclusion**

Based on the preceding evaluation, it is concluded that revising the term “unreviewed safety question” is acceptable and the proposed license amendment does not involve a significant hazards consideration as defined in 10 CFR 50.92.

**Attachment 3**

**Edwin I. Hatch Nuclear Plant  
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**HNP Technical Specifications Changed Page List**

**HNP Technical Specifications Mark-up Page**

**HNP Technical Specifications Typed Page**

Edwin I. Hatch Nuclear Plant  
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**Changed Pages List**

Unit 1

<u>Changed Page</u>	<u>Revision Instruction</u>
5.0-16	Replace

Unit 2

<u>Changed Page</u>	<u>Revision Instruction</u>
5.0-16	Replace

5.5 Programs and Manuals

5.5.10 Safety Function Determination Program (SFDP) (continued)

A loss of safety function exists when, assuming no concurrent single failure, a safety function assumed in the accident analysis cannot be performed. For the purpose of this program, a loss of safety function may exist when a support system is inoperable, and:

- a. A required system redundant to system(s) supported by the inoperable support system is also inoperable; or
- b. A required system redundant to system(s) in turn supported by the inoperable supported system is also inoperable; or
- c. A required system redundant to support system(s) for the supported systems (a) and (b) above is also inoperable.

The SFDP identifies where a loss of safety function exists. If a loss of safety function is determined to exist by this program, the appropriate Conditions and Required Actions of the LCO in which the loss of safety function exists are required to be entered.

5.5.11 Technical Specifications (TS) Bases Control Program

This program provides a means for processing changes to the Bases of these Technical Specifications.

- a. Changes to the Bases of the TS shall be made under appropriate administrative controls and reviews.
- b. Licensees may make changes to Bases without prior NRC approval provided the changes do not involve either of the following:
  - 1. A change in the TS incorporated in the license; or
  - 2. A change to the FSAR or Bases that involves an unreviewed safety question as defined in 10 CFR 50.59.
- c. The Bases Control Program shall contain provisions to ensure that the Bases are maintained consistent with the FSAR.

that requires NRC approval pursuant to

updated

(continued)

5.5 Programs and Manuals

5.5.10 Safety Function Determination Program (SFDP) (continued)

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(continued)

## 5.5 Programs and Manuals

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- c. The Bases Control Program shall contain provisions to ensure that the Bases are maintained consistent with the FSAR.

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## 5.5 Programs and Manuals

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### 5.5.10 Safety Function Determination Program (SFDP) (continued)

A loss of safety function exists when, assuming no concurrent single failure, a safety function assumed in the accident analysis cannot be performed. For the purpose of this program, a loss of safety function may exist when a support system is inoperable, and:

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  1. A change in the TS incorporated in the license; or
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- c. The Bases Control Program shall contain provisions to ensure that the Bases are maintained consistent with the FSAR.

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