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Records Management Branch (Document Control Desk) *Tech Specs*

*See Attached
Change To*

SUBJECT: LAR 99-06 to licenses DPR-38, DPR-47 & DPR-55, respectively.
LAR proposes changes to Tech Specs, Bases, UFSAR & COLR to
incorporate Topical Rept DPC-NE-3005-P, "Thermal-Hydraulic
Transient Analysis Methodology."

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M. S. Tuckman
Executive Vice President
Nuclear Generation

April 5, 1999

U. S. Nuclear Regulatory Commission
Washington D. C. 20555-0001

ATTENTION: Document Control Desk

Subject: Duke Energy Corporation
Oconee Nuclear Station, Units 1, 2, and 3
Docket Numbers 50-269, 50-270, and 50-287
Unit 2 Cycle 18 Reload Report and
License Amendment Request (TSC 99-06)

Pursuant to 10 CFR 50.90, Duke Energy Corporation (Duke) is submitting this license amendment request (LAR) for Facility Operating License Nos. DPR-38, DPR-47, and DPR-55 for Oconee Nuclear Station Units 1, 2, and 3, respectively. The LAR proposes changes to the Technical Specifications, Bases, Updated Final Safety Analysis Report (UFSAR), and Core Operating Limits Report (COLR) to incorporate Topical Report DPC-NE-3005-P, "Thermal-Hydraulic Transient Analysis Methodology." This LAR supports the operation of Oconee Unit 2 during Cycle 18 (O2C18). The applicable dose analysis methodology and associated UFSAR changes are not included in this submittal. Duke will submit this information by May 31, 1999.

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A007

This LAR is dependent upon Nuclear Regulatory Commission (NRC) approval of Revision 1 to Topical Report DPC-NE-3005-P. On July 30, 1997, Duke submitted Topical Report DPC-NE-3005-P, "UFSAR Chapter 15 Transient Analysis Methodology," to the NRC for review and approval. The topical report describes the new methodology for analyzing the UFSAR Chapter 15 non-LOCA transients and accidents. Its objective was to provide a modern analysis to replace the non-LOCA analyses presented in Chapter 15 of the Oconee UFSAR. The NRC approved the topical report, with some exceptions, in a Safety Evaluation Report issued on October 1, 1998. To resolve these exceptions, Duke submitted Revision 1 to DPC-NE-3005-P to the NRC on February 1, 1999.

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Docket # 50-269
Accession # 9504080026
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Oconee

Unit 2 Cycle 18

Reload Submittal

Currently, the methodology provided in DPC-NE-3005-P has only been utilized in the accident analyses for Oconee Unit 2. For Units 1 and 3, the revisions to the accident analyses are planned to be complete by November 15, 1999. However, to provide flexibility, the proposed Technical Specifications have been developed assuming that the re-analyses are only complete for one or two units. Drafting the Technical Specifications in this manner will minimize the number of license amendments required to implement DPC-NE-3005-P. Additionally, in the event the revised accident analyses are completed for each unit prior to this LAR being approved by the NRC, Duke will submit revised Technical Specifications to remove the material germane to the previous accident analyses.

Additionally, this LAR impacts another LAR. Duke submitted an LAR on December 16, 1998, to resolve deficiencies with the Technical Specification associated with the High Pressure Injection (HPI) System. As part of this LAR, Duke proposed to add a Technical Specification regarding the atmospheric dump valve (ADV) flow paths, (i.e., ITS 3.7.4). This LAR makes changes to the proposed ITS 3.7.4 submitted December 16, 1998. Thus, NRC approval of the December 16, 1998 submittal is required prior to this LAR. Additionally, Duke requested an implementation period of 75 days for the LAR dated December 16, 1998.

This submittal contains the following attachments:

Attachment I provides a marked copy of the existing Oconee Technical Specifications and Bases.

Attachment II provides the reprinted Oconee Technical Specifications and Bases and the instructions for updating the Technical Specifications and Bases.

Attachment III provides a description of the proposed changes and technical justification for the proposed changes.

Attachment IV documents the determination that this LAR contains No Significant Hazards pursuant to 10CFR50.92.

Attachment V provides a preliminary basis for the categorical exclusion from performing an Environmental Assessment/Impact Statement pursuant to 10CFR51.22(c)(9).

Attachment VI provides the O2C18 COLR.

Attachment VII provides a marked copy of the affected UFSAR pages. Permanent changes to the UFSAR will be made in accordance with 10CFR50.71(e). This submittal does not include the proposed UFSAR changes required to:

- 1) incorporate the dose analysis. As stated above, these proposed UFSAR changes will be submitted by May 31, 1999; and
- 2) relocate Section 15.13.4 to UFSAR Chapter 5. UFSAR Section 15.13.4 describes stress analyses on the steam generator tubes; therefore, it is judged to be more appropriately located with the other stress analyses contained in Chapter 5. This proposed change will be provided to the NRC for review in a separate Duke LAR to be submitted by April 30, 1999.

Attachment VIII provides design information relative to O2C18.

Within this submittal, Duke makes the following commitments:

1. The dose methodology analysis and associated UFSAR marked pages will be submitted to the NRC by May 31, 1999; and
2. The LAR that includes relocating UFSAR Section 15.13.4 to UFSAR Chapter 5 will be submitted to the NRC by April 30, 1999.

In accordance with Duke administrative procedures and the Quality Assurance Program Topical Report, the changes contained in this LAR have been reviewed and approved by the Oconee Plant Operations Review Committee and the Duke Corporate Nuclear Safety Review Board.

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Pursuant to 10CFR50.91, a copy of this LAR is being sent to the State of South Carolina.

Duke is requesting the NRC approve this LAR by November 15, 1999, to support the current Unit 2 outage schedule for the end of Cycle 17. Inquiries on this matter should be directed to J. S. Warren at (704) 382-4986.

Very truly yours,



M. S. Tuckman

Attachments

xc w/attachments:

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AFFIDAVIT

M. S. Tuckman, being duly sworn, states that he is Executive Vice President of Duke Energy Corporation; that he is authorized on the part of said Corporation to sign and file with the Nuclear Regulatory Commission revisions to the Oconee Nuclear Station Facility Operating Licenses No. DPR-38, DPR-47, and DPR-55; and that all the statements and matters set forth herein are true and correct to the best of his knowledge.

M. S. Tuckman

M. S. Tuckman, Executive Vice President

Subscribed and sworn to before me this 5TH day of

April, 1999

Mary P. Nelms

Notary Public

My Commission Expires:

JAN 22, 2001

SEAL

U. S. Nuclear Regulatory Commission
April 5, 1999
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bxc w/Attachment:

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