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 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270  
 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. 05000287

AUTH. NAME AUTHOR AFFILIATION  
 TUCKER, H. B. Duke Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION  
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director (pre-851125)  
 STOLZ, J. F. Operating Reactors Branch 4

SUBJECT: Application for amends to Licenses DPR-38, DPR-47 & DPR-55, revising listed Tech Spec pages to support operation of Unit 1 at full rated power during Cycle 10. "Oconee Unit 1, Cycle 10 Reload Rept," also encl. Fee paid.

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HAL B. TUCKER  
VICE PRESIDENT  
NUCLEAR PRODUCTION

TELEPHONE  
(704) 373-4531

November 19, 1985

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Attention: Mr. John F. Stolz, Chief  
Operating Reactors Branch No. 4

Subject: Oconee Nuclear Station, Unit 1  
Docket Nos. 50-269, -270, -287

Dear Sir:

Pursuant to 10CFR50, §50.90, please find attached (Attachment 1) proposed changes to the Oconee Nuclear Station (ONS) Technical Specifications which are required to support the operation of Oconee Unit 1 at full rated power during Cycle 10. This proposal contains changes which concern the following:

1. Core Protection Safety Limits of Specification 2.1;
2. Protective System Maximum Allowable Setpoints of Specification 2.3;
3. Rod Position Limits of Specification 3.5.2;
4. Power Imbalance Limits of Specification 3.5.2.

Some of the Figures and a Table of Section 2 of the Oconee Technical Specifications, such as rod position limits and operational power imbalance, which have been individually given for each unit, are being combined into one Tech Spec. The RPS Setpoints have been assigned the same values and thus Section 2 can be written such that it is generic to all Oconee units. For example, only one Figure 2.1-1 is required instead of the current three. In addition, the bases for Section 2 has also been revised in order to simplify and clarify this section. No substitute changes have been made.

A discrepancy has been found between Technical Specification 3.5.1 and its bases. It appears that the bases of this Tech Spec were not reworded when an administrative revision to Table 3.5.1-1 occurred. In addition, the footnote allowing a one out of two logic for up to four hours in the power range instrumentation is being clarified.

Please note that due to the deletion of several figures, the page numbers for pages 3.5-30 thru 3.5-43 have changed. The actual context of these pages have not changed; only their relative location within Oconee's Technical Specifications.

Also attached (Attachment 4) is "Oconee Unit, Cycle 10 Reload Report." A summary of the Cycle operating parameters is included in the report, along with safety analyses supporting operation of the Unit 1, Cycle 10 core at rated power in accordance with the Technical Specifications provided. This reload employs a LOCA analysis incorporating the NUREG-0630 data.

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During the refueling outage for Oconee 1 Cycle 10, sixty (60) fuel assemblies will be discharged. The new assemblies (batch 12) to be inserted are of the mark BZ type.

By letter dated February 22, 1985, Duke provided to the NRC the draft Technical Specification changes associated with the removal of Rod Position Limit and Operation Imbalance envelop curves from the Technical Specification and a draft of the Core Operational Limits Reports for 01C9, 02C8 and 03C9. This draft version was provided to the NRC to assist in future discussions regarding this concept. The February 22, 1985 letter, also, advised the staff of Duke's intent to submit a Technical Specification revision similar to what was in the draft.

The proposed revisions, provided by this letter, incorporates the concept provided by my February 22, 1985 letter; in that, for all three units, the Rod Position Limit and Operational Imbalance envelop curves are being deleted and the Core Operational Limits Reports for 01C10 and 02C8 and 03C9 are being submitted (Attachment 3). This proposed change will facilitate 10 CFR 50 §50.59 reviews for future core reloads. In addition, Duke contends that such a revision is consistent with current NRC and Industry efforts to simplify the Technical Specifications.

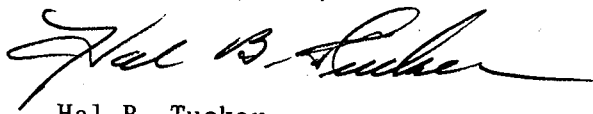
Duke submits that the changes connected with the proposed amendment do not represent a significant hazard to the public health and safety of the environment. The § 50.92 standards covering the no significant hazards issue were followed in an analysis of the proposed amendment from this standpoint. Please find attached (Attachment 2) the No Significant Hazards analysis for the proposed amendment. Duke will forward a copy of this evaluation to the South Carolina Department of Health and Environmental Control for review and a follow-up consultation with the Staff, if necessary.

Startup testing of Oconee Unit 1, Cycle 10 will be in accordance with a modified version of the report "Oconee Nuclear Station Generic Startup Physics Test Program" which was initially approved by the Staff in a March 23, 1981 letter, and modified by Duke letters dated May 29, 1981 and May 19, 1983.

The Unit 1, Cycle 10 refueling outage is scheduled to begin January 25, 1986 with a planned duration of 56 days. The NRC will be kept informed of the schedule for restart through the Project Manager.

Pursuant to 10 CFR 170, §170.12, please find enclosed a check in the amount of \$150.00 for application fee.

Very truly yours,



Hal B. Tucker

SGG/hcl

Attachments

cc: Dr. J. Nelson Grace, Regional Administrator  
U.S. Nuclear Regulatory Commission  
Region II  
101 Marietta Street, NW, Suite 2900  
Atlanta, Georgia 30323

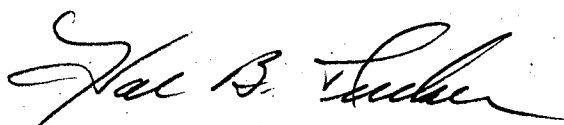
Ms. Helen Nicolaras  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Mr. J. C. Bryant  
NRC Resident Inspector  
Oconee Nuclear Station

Mr. Heyward Shealy, Chief  
Bureau of Radiological Health  
South Carolina Department of Health & Environmental Control  
2600 Bull Street  
Columbia, South Carolina 29201

Mr. Harold R. Denton Director  
November 19, 1985  
Page Three

HAL B. TUCKER, being duly sworn, states that he is Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this request for amendment of the Oconee Nuclear Station Technical Specifications, Appendix A to Facility Operating Licenses DPR-38, DPR-47, and DPR-55; and that all statements and matters set forth therein are true and correct to the best of his knowledge.



Hal B. Tucker, Vice President

Subscribed and sworn to before me this 19th day of November, 1985.



Sue C. Sherrill  
Notary Public

My Commission Expires:

September 20, 1989