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ACCESSION Nbr: 8501020307 DOC. DATE: 84/12/19 NOTARIZED: YES DOCKET #
 FACIL: 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. 05000270
 AUTH. NAME: TUCKER, H.B. AUTHOR AFFILIATION: Duke Power Co.
 RECIP. NAME: DENTON, H.R. RECIPIENT AFFILIATION: Office of Nuclear Reactor Regulation, Director
 STOLZ, J.F. Operating Reactors Branch 4

SUBJECT: Application for amend to License DPR-47, changing Tech Specs
 re rod position limits & power imbalance limits to support
 operation at full rated power during Cycle 8. Cycle 8
 reload rept encl. Fee paid.

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 TITLE: Start-Up Report/ Refueling Report (50 Dkt)

NOTES: AEOD/Ornstein: lcy. 05000270
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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
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December 19, 1984

IE FILE COPY

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 2
Docket No. 50-270

Dear Sir:

Pursuant to 10 CFR 50, §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 2 at full rated power during Cycle 8. This proposal contains changes which concern the following:

1. Rod Position Limits of Specification 3.5.2, and
2. Power Imbalance Limits of Specification 3.5.2.

Also attached (Attachment 3) is "Oconee Unit 2, Cycle 8 Reload Report". A summary of the Cycle operating parameters is included in the report, along with safety analyses supporting operation of the Unit 2, Cycle 8 core at rated power in accordance with the Technical Specification provided. This reload report employs a LOCA analysis incorporating the NUREG-0630 data. During the refueling outage for Oconee 2 Cycle 8, sixty-eight (68) fuel assemblies will be discharged. The new assemblies (batch 10) to be inserted are of the Mark BZ type, making Oconee 2, Cycle 8 a transition core. This is a change from the Cycle 7 core which utilized fuel assemblies, all of the Mark B type. The NRC approved the Oconee 1, Cycle 9 amendment request, which included the use of Mark BZ type fuel assemblies, on November 23, 1984. Additionally, Cycle 8 will incorporate gray (less-absorbing) axial power shaping rods (APSRs); this is a change from previous Unit 2 cycles which utilized black (highly-absorbing) APSRs. Gray APSRs have been approved for use in Oconee Unit 1, Cycle 9 and are currently in use at Oconee 1 and Rancho Seco.

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.

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P PDR

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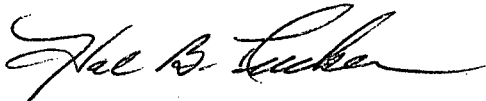
Mr. Harold R. Denton, Director
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Startup testing of Oconee Unit 2, Cycle 8 will be in accordance with a modified version of the report "Oconee Nuclear Station Generic Startup Physics Test Program" which was initially approved by the Staff in a March 23, 1981 letter, and modified by Duke letters dated May 29, 1981 and May 19, 1983.

The Unit 2, Cycle 8 refueling outage is scheduled to begin February 15, 1985, with a planned duration of 63 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 amounting to \$150.00, the application for amendment fee, specified by §170.21.

Very truly yours,



Hal B. Tucker

RFH:slb

Attachments

cc: Mr. James P. O'Reilly, 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. Hayward Shealey, Chief
Bureau of Radiological Health
South Carolina Department of Health and Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

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 30th day of November, 1984.


Notary Public

My Commission Expires:

September 20, 1989