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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 TUCKER, H. B. AUTHOR AFFILIATION Duke Power Co.
 RECIP. NAME DENTON, H. R. RECIPIENT AFFILIATION Office of Nuclear Reactor Regulation, Director (post 851125
 STOLZ, J. F. PWR Project Directorate 6

SUBJECT: Application for amends to Licenses DPR-38, DPR-47 & DPR-55, supporting operation of Unit 3 at full rated power during Cycle 10 & allowing 10CFR50.59 reviews of future core reloads. Fee paid.

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DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

December 12, 1986

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

Attention: Mr. John F. Stolz, Project Director
PWR Project Directorate No. 6

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

Dear Mr. Denton:

Pursuant to 10 CFR 50, Part 50.90, please find attached (Attachment 1) a proposed amendment to the Oconee Nuclear Station (ONS) Facility Operating Licenses and revisions to the ONS Technical Specifications (T.S.). The proposed revisions are required to support operation of Oconee Unit 3 at full rated power during Cycle 10, and to allow 50.59 reviews of future core reloads.

Specifically, the changes supplied in this amendment request:

- 1) Update the Unit 3 Operational Power Imbalance Envelope curve (Figure 3.5.2-12) to reflect current cycle operating characteristics.
- 2) Provides a more conservative curve for the Unit 1 Operational Power Imbalance Envelope (Figure 3.5.2-10). This will allow 50.59 reviews of future core reloads, as no changes to Technical Specifications will be necessary.
- 3) T.S. 3.5.2.4.b.2 (Quadrant Power Tilt) has been updated to reflect the fact that power level cutoffs (other than 100%) are no longer applicable to Oconee.
- 4) T.S. 3.5.2.6 (Xenon Reactivity) has been deleted, since operating restrictions resulting from transient xenon power peaking are implicitly included in the limits of T.S. 3.5.2.5 (Control Rod Positions) and proposed T.S. 3.5.2.6 (Reactor Power Imbalance). This is noted in the bases of T.S. 3.5.
- 5) T.S. 3.5.2.7, 3.5.2.8, and 3.5.2.9 have been changed to reflect the deletion of T.S. 3.5.2.6 (Xenon Reactivity).

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Mr. Harold R. Denton
December 12, 1986
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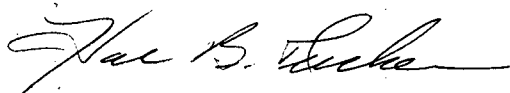
Attachment 3 is the "Oconee Unit 3, Cycle 10 Reload Report". A summary of cycle operating parameters is included in the report, along with safety analyses supporting operation of the Unit 3, Cycle 10 core at full rated power in accordance with Technical Specifications provided.

Duke has determined the attached proposed amendment as having no Significant Hazards Considerations. Attachment 2 provides the No Significant Hazards Consideration Evaluation. In addition, startup testing of Oconee 3, Cycle 10 will be in accordance with the October 7, 1986 approved version of the Oconee Startup Physics Test Program.

Duke is forwarding a copy of this application to the South Carolina Department of Health and Environmental Control for review and, as appropriate, subsequent consultation with the staff.

Pursuant to 10CFR170, \$170.12, please find enclosed a check in the amount of \$150.00 for the application fee.

Very truly yours,



Hal B. Tucker

PJN/103/jgm

Attachment

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

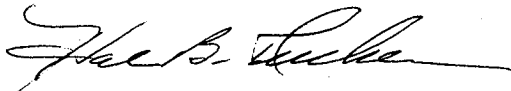
Mrs. Helen Pastis
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

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

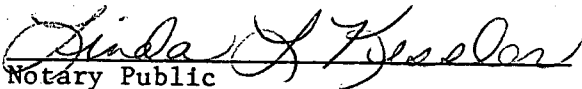
Mr. Harold R. Denton, Director
December 12, 1986
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HAL B. TUCKER, being duly sworn, states that he is Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this revision to the Oconee Nuclear Station License Nos. 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.

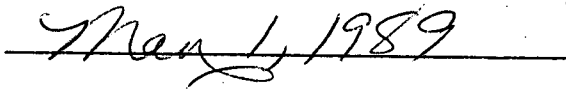


Hal B. Tucker, Vice President

Subscribed and sworn to before me this 12th day of December, 1986.


Notary Public

My Commission Expires:


May 1, 1989

