

DLR 016

Dockets Nos. 50-269, 50-270
and 50-287

January 30, 1984

Mr. Hal B. Tucker
Vice President - Steam Production
Duke Power Company
P. O. Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

The Commission has issued the enclosed Amendments Nos. 126, 126, and 123 to Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2 and 3. These amendments consist of changes to the Station's common Technical Specifications (TSs) in response to your request dated September 14, 1983.

These amendments revise the TSs to correct the values for the Axial Power Shaping Rod (APSR) Position Limits after 385 EFPD for the Unit 3 Cycle 7 of operation.

A copy of the Safety Evaluation is also enclosed. Notice of Issuance will be included in the Commission's Monthly Notice.

Sincerely,

John F. Stolz, Chief
Operating Reactors Branch No. 4
Division of Licensing

Enclosures:

1. Amendment No. 126 to DPR-38
2. Amendment No. 126 to DPR-47
3. Amendment No. 123 to DPR-55
4. Safety Evaluation

cc w/enclosures:

See next page

Docket File	NRC PDR	L PDR	ORB#4Rdg	DEisenhut	RIngram
JSuermann	OELD	LHarmon	EJordan	JTaylor	TBarnhart (12)
WJones	DBrinkman	ACRS(10)	OPA C Miles	RDiggs	GRAY + 4

ORB#4:DL
RIngram
01/24/84

ORB#4:DL
JSuermann:ef
01/24/84

ORB#4:DL
JStolz
01/24/84

OELD
R. 701 w3-3
01/25/84

AD/AR:DL
GLanias
01/27/84

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PDR ADOCK 05000269
P PDR

Duke Power Company

cc w/enclosure(s):

Mr. William L. Porter
Duke Power Company
P. O. Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Office of Intergovernmental Relations
116 West Jones Street
Raleigh, North Carolina 27603

Honorable James M. Phinney
County Supervisor of Oconee County
Walhalla, South Carolina 29621

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission, Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30303

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

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DUKE POWER COMPANY

DOCKET NO. 50-269

OCONEE NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 126
License No. DPR-38

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated September 14, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 3.B of Facility Operating License No. DPR-38 is hereby amended to read as follows:

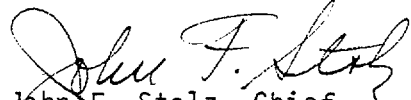
3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 126 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

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3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 30, 1984



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DUKE POWER COMPANY

DOCKET NO. 50-270

OCONEE NUCLEAR STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 126
License No. DPR-47

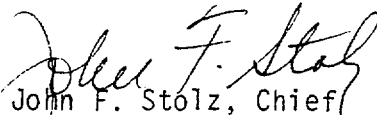
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated September 14, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 3.B of Facility Operating License No. DPR-47 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 126 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 30, 1984



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

DUKE POWER COMPANY

DOCKET NO. 50- 287

OCONEE NUCLEAR STATION, UNIT NO. 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 123
License No. DPR- 55

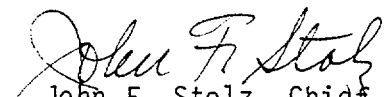
1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated September 14, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 3.B of Facility Operating License No. DPR- 55 is hereby amended to read as follows:

3.B Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No.123 are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION


John F. Stolz, Chief
Operating Reactors Branch #4
Division of Licensing

Attachment:
Changes to the Technical
Specifications

Date of Issuance: January 30, 1984

ATTACHMENTS TO LICENSE AMENDMENTS

AMENDMENT NO. 126 TO DPR-38

AMENDMENT NO. 126 TO DPR-47

AMENDMENT NO. 123 TO DPR-55

DOCKETS NOS. 50-269, 50-270 AND 50-287

Replace the following pages of the Appendix "A" Technical Specifications with the attached pages. The revised pages are identified by amendment numbers and contain vertical lines indicating the area of change.

Remove Pages

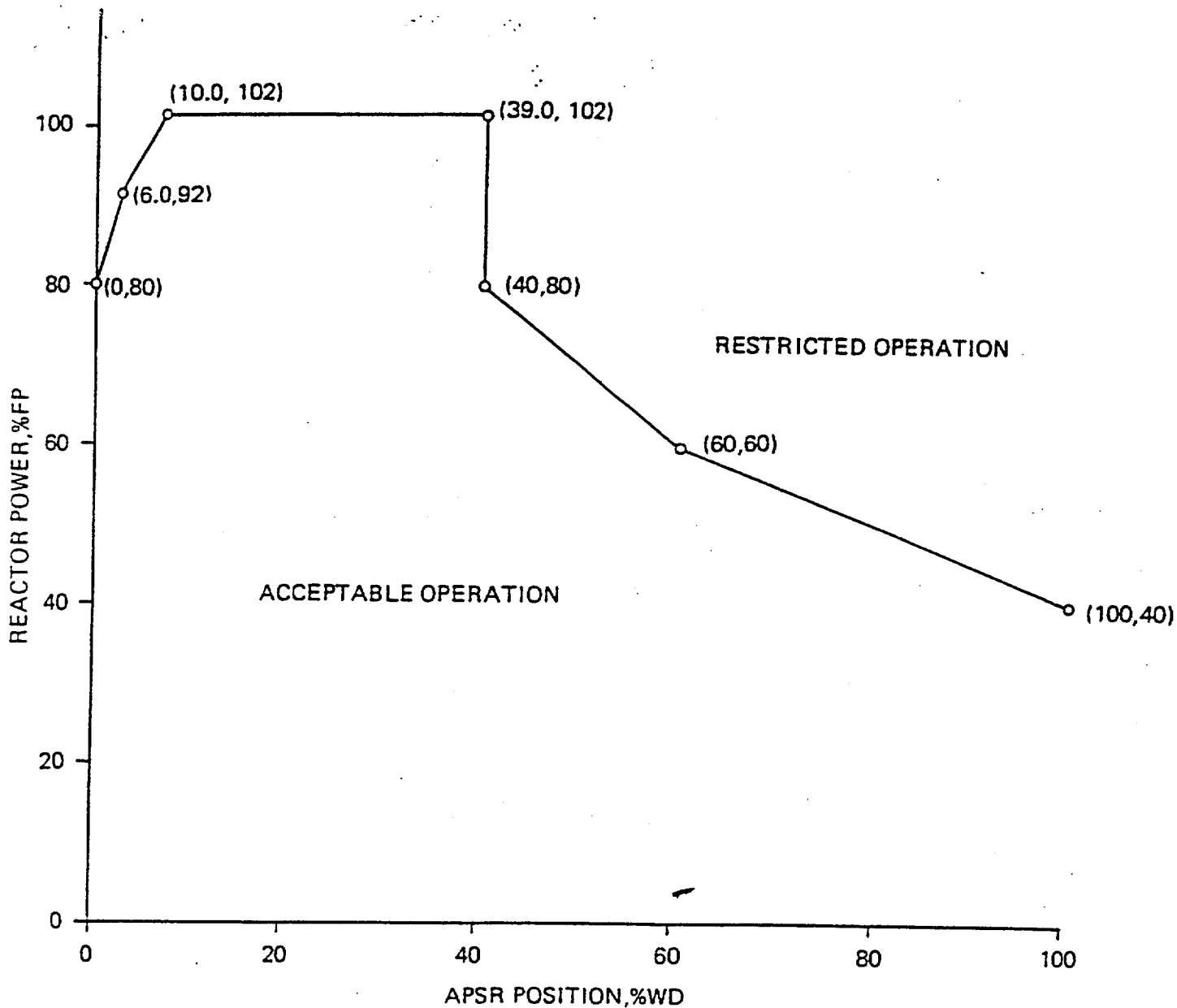
3.5-26a

3.5-26b

Insert Pages

3.5-26a

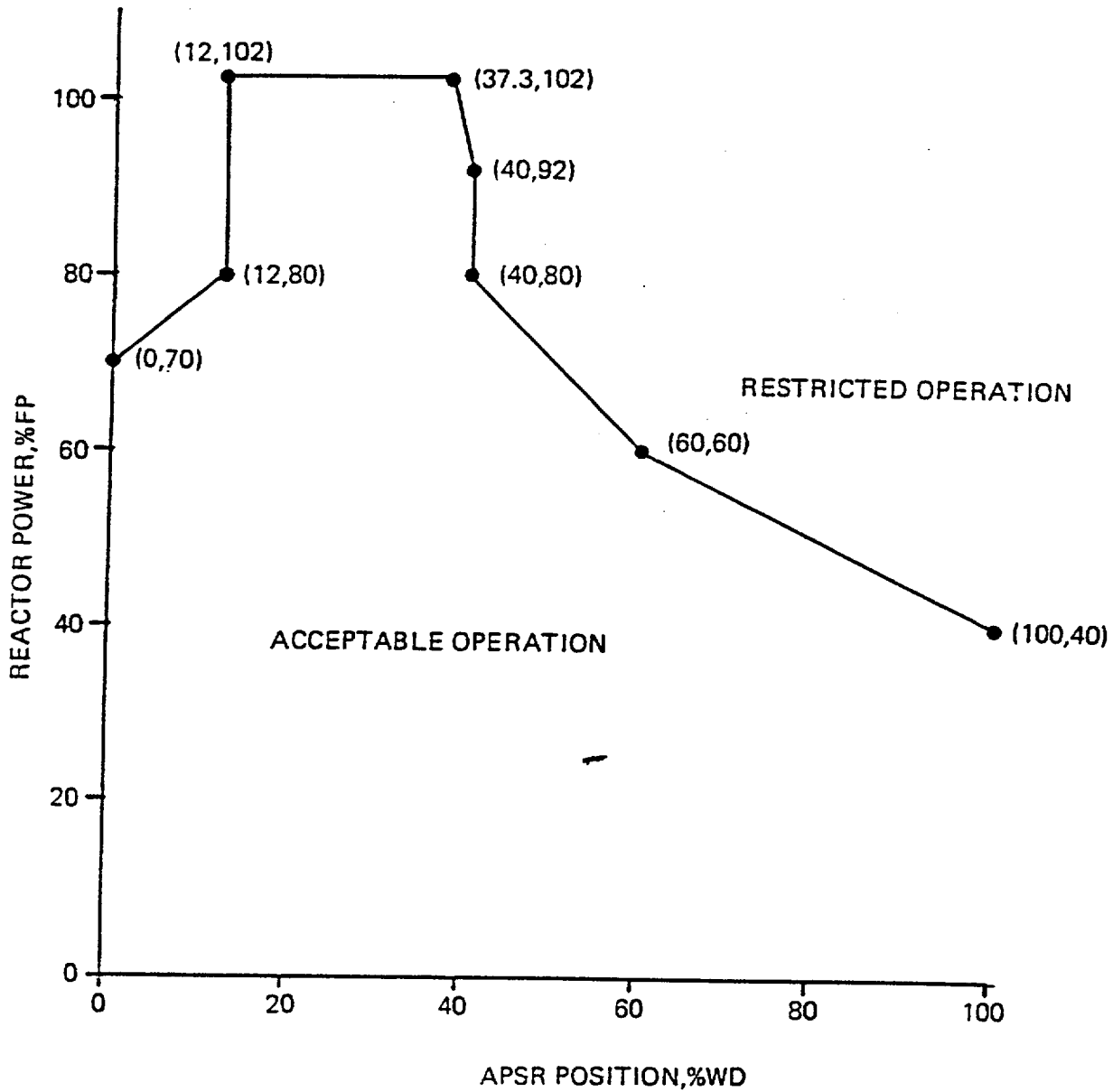
3.5-26b



APSR POSITION LIMITS
 FOR OPERATION
 200 \pm 10 EFPD TO
 385 \pm 0 EFPD
 -10



UNIT 3
 OCONEE NUCLEAR STATION
 Figure 3.5.2-4C2



APSR POSITION LIMITS
 AFTER 385 ⁺⁰ EFPD
 -10
 UNIT 3
 OCONEE NUCLEAR STATION



Figure 3.5.2-4C3



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
SUPPORTING AMENDMENT NO. 126 TO FACILITY OPERATING LICENSE NO. DPR-38

AMENDMENT NO. 126 TO FACILITY OPERATING LICENSE NO. DPR-47

AMENDMENT NO. 123 TO FACILITY OPERATING LICENSE NO. DPR-55

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS NOS. 1, 2 AND 3

DOCKETS NOS. 50-269, 50-270 AND 50-287

INTRODUCTION

By letter dated September 29, 1982, the Commission issued Amendments Nos. 113, 113 and 110 to the licenses for Oconee Nuclear Station, Units Nos. 1, 2 and 3, which revised the Station's common Technical Specifications (TSs) to allow full power operation of Oconee Unit 3 during fuel Cycle 7. Duke Power Company's (DPC or the licensee) proposed Unit 3 Axial Power Shaping Rod (APSR) Position Limits were reviewed and approved as part of these amendments.

In a submittal dated September 14, 1983, DPC disclosed that while calculating the Oconee Unit 2 Cycle 7 TSs, they became aware that a correction should be made to the APSR position limits of Unit 3 after 385 Effective Full Power Days (EFPD). Review and evaluation of the Oconee Unit 3 TS change was requested along with the Oconee Unit 2 Cycle 7 reload review and evaluation. The Unit 2 Cycle 7 reload TSs, including the APSR position limits for Unit 2 Cycle 7 and the corrected APSR position limits for Unit 3 Cycle 7, were subsequently reviewed and found acceptable. By letter dated November 23, 1983, the Commission issued Amendments Nos. 124, 124 and 121 revising the TSs to allow full power operation of Oconee Unit 2 during fuel Cycle 7, but for administrative reasons, deferred the issuance of the Unit 3 Cycle 7 corrected APSR position limits to a later date as a separate licensing action. This evaluation addresses the deferred Unit 3 Cycle 7 corrected APSR position limits.

EVALUATION

The difference in the APSR position limit was caused by poor convergence of the calculated power distribution for Oconee Unit 3 Cycle 7. The discrepancy was discovered at the time of the preparation of the Oconee Unit 2 Cycle 7 reload but before Oconee Unit 3 reached 385 EFPD. Therefore, no period of potentially unsafe operation occurred. The appropriate report was filed.

Inasmuch as the calculation was carried out with an approved method and the recommended number of iterations was used, we find the requested TS change acceptable for Oconee Unit 3.

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SUMMARY

We conclude that the corrections to Oconee 3 Cycle 7 will not adversely affect the capability to operate the plant safely. We also conclude that the proposed changes to the TSs discussed above for Oconee 3 Cycle 7 are acceptable.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations and the issuance of these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Dated: January 30, 1984

The following NRC staff personnel have contributed to this Safety Evaluation:
L. Lois and J. Suermann.