

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

LICENSE AUTHORITY FILE COPY

September 11, 1981

DO NOT REMOVE

Posted  
Amdt. 100  
to DPR-47

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

Mr. William O. Parker, Jr.  
Vice President - Steam Production  
Duke Power Company  
P. O. Box 33189  
422 South Church Street  
Charlotte, North Carolina 28242

Dear Mr. Parker:

The Commission has issued the enclosed Amendments Nos. 100, 100, and 97 for 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 August 19, 1981.

These amendments revise the TSS to allow the extension of Unit 2 Cycle 5 operation to 390 EFPD.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

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

Enclosures:

1. Amendment No. 100 to DPR-38
2. Amendment No. 100 to DPR-47
3. Amendment No. 97 to DPR-55
4. Safety Evaluation
5. Notice

cc w/enclosures:  
See next page

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

Oconee County Library  
501 West Southbroad Street  
Walhalla, South Carolina 29691

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

cc w/enclosure(s) & incoming dtd.:  
8/19/81

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

U. S. Environmental Protection Agency  
Region IV Office  
ATTN: EIS COORDINATOR  
345 Courtland Street, N.E.  
Atlanta, Georgia 30308

Mr. Francis Jape  
U.S. Nuclear Regulatory Commission  
Route 2, Box 610  
Seneca, South Carolina 29678

Mr. Robert B. Borsum  
Babcock & Wilcox  
Nuclear Power Generation Division  
Suite 420, 7735 Old Georgetown Road  
Bethesda, Maryland 20014

Manager, LIS  
NUS Corporation  
2536 Countryside Boulevard  
Clearwater, Florida 33515

J. Michael McGarry, III, Esq.  
DeBevoise & Liberman  
1200 17th Street, N.W.  
Washington, D. C. 20036



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

DUKE POWER COMPANY

DOCKET NO. 50- 269

OCOONEE NUCLEAR STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No.100  
License No. DPR-38

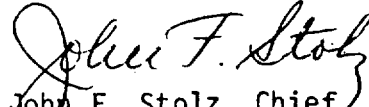
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations 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.100 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: September 11, 1981



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.100  
License No. DPR-47

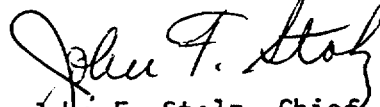
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations 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.100 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: September 11, 1981



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. 97  
License No. DPR-55

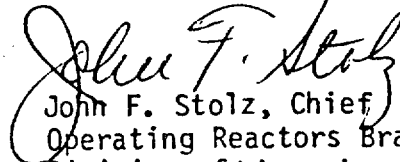
1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1981, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations 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. 97 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: September 11, 1981



ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO.100 TO DPR-38

AMENDMENT NO.100 TO DPR-47

AMENDMENT NO. 97 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

3.5-16a

3.5-19a

3.5-22

3.5-25a

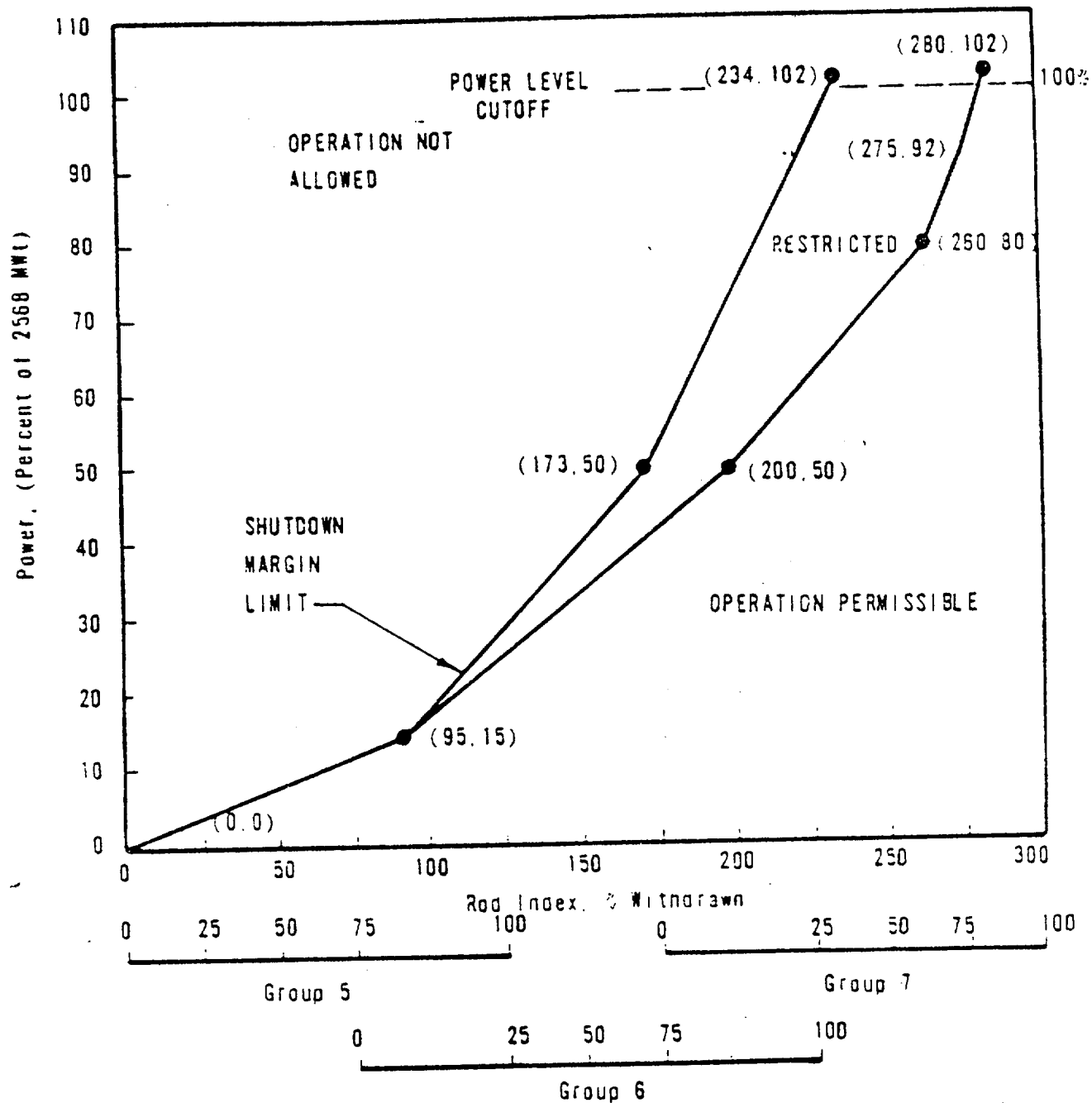
Insert Pages

3.5-16a

3.5-19a

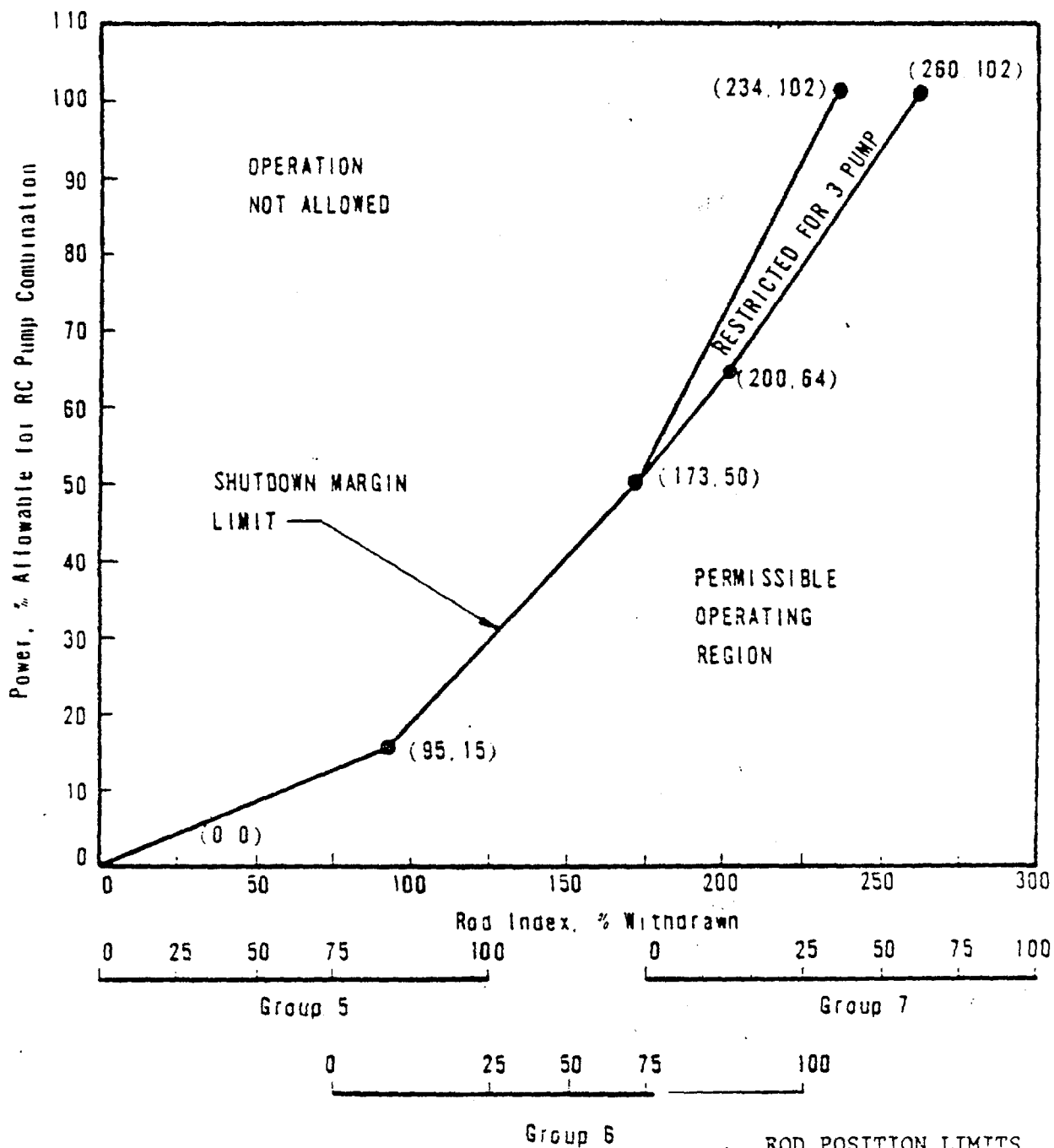
3.5-22

3.5-25a



ROD POSITION LIMITS  
FOR FOUR PUMP OPERATION  
FROM  $150 \pm 10$  TO  $390 \pm 10$   
EFPD - 30  
UNIT 2  
OCONEE NUCLEAR STATION  
Figure 3.5.2-1B2

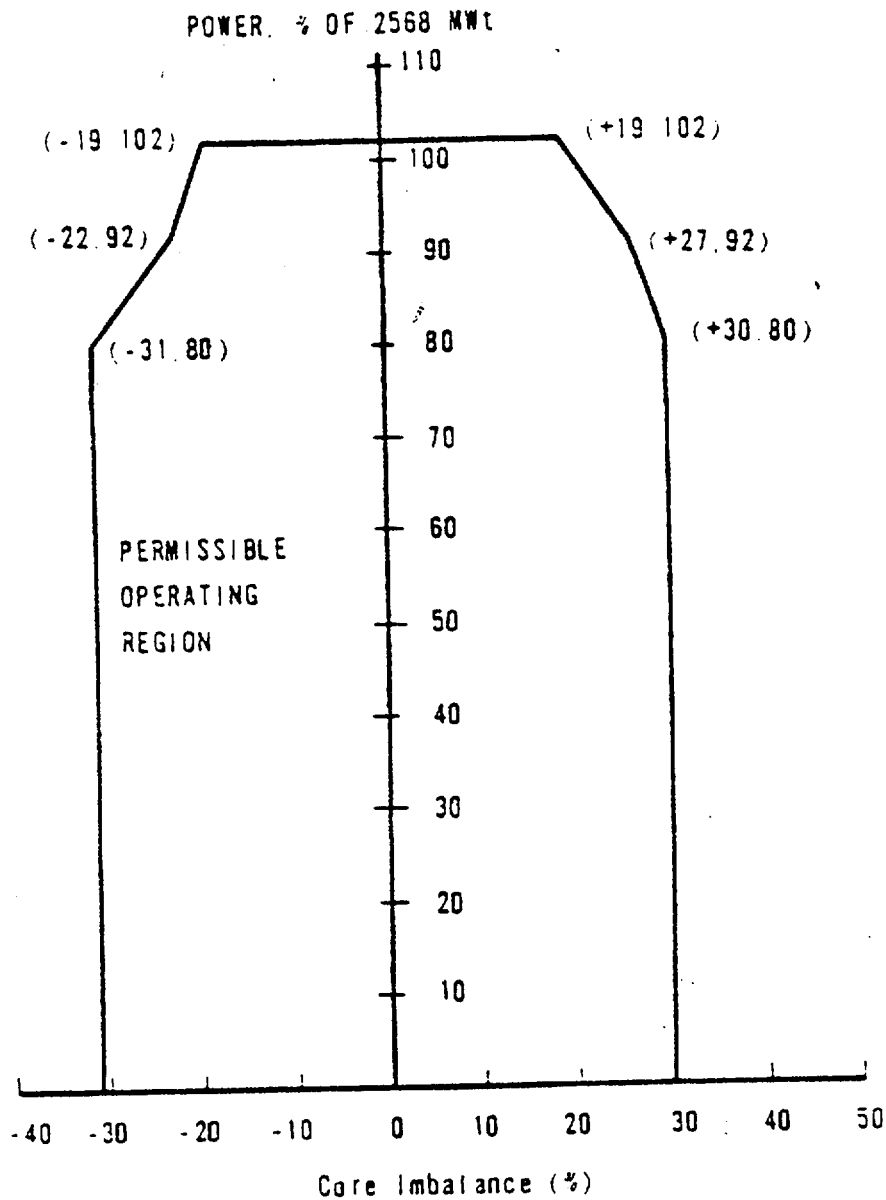




ROD POSITION LIMITS  
FOR TWO AND THREE PUMP  
OPERATION FROM  
150 ± 10 TO 390 ± 10 EFPD  
UNIT 2 - 30  
OCONEE NUCLEAR STATION  
Figure 3.5.2-2B2

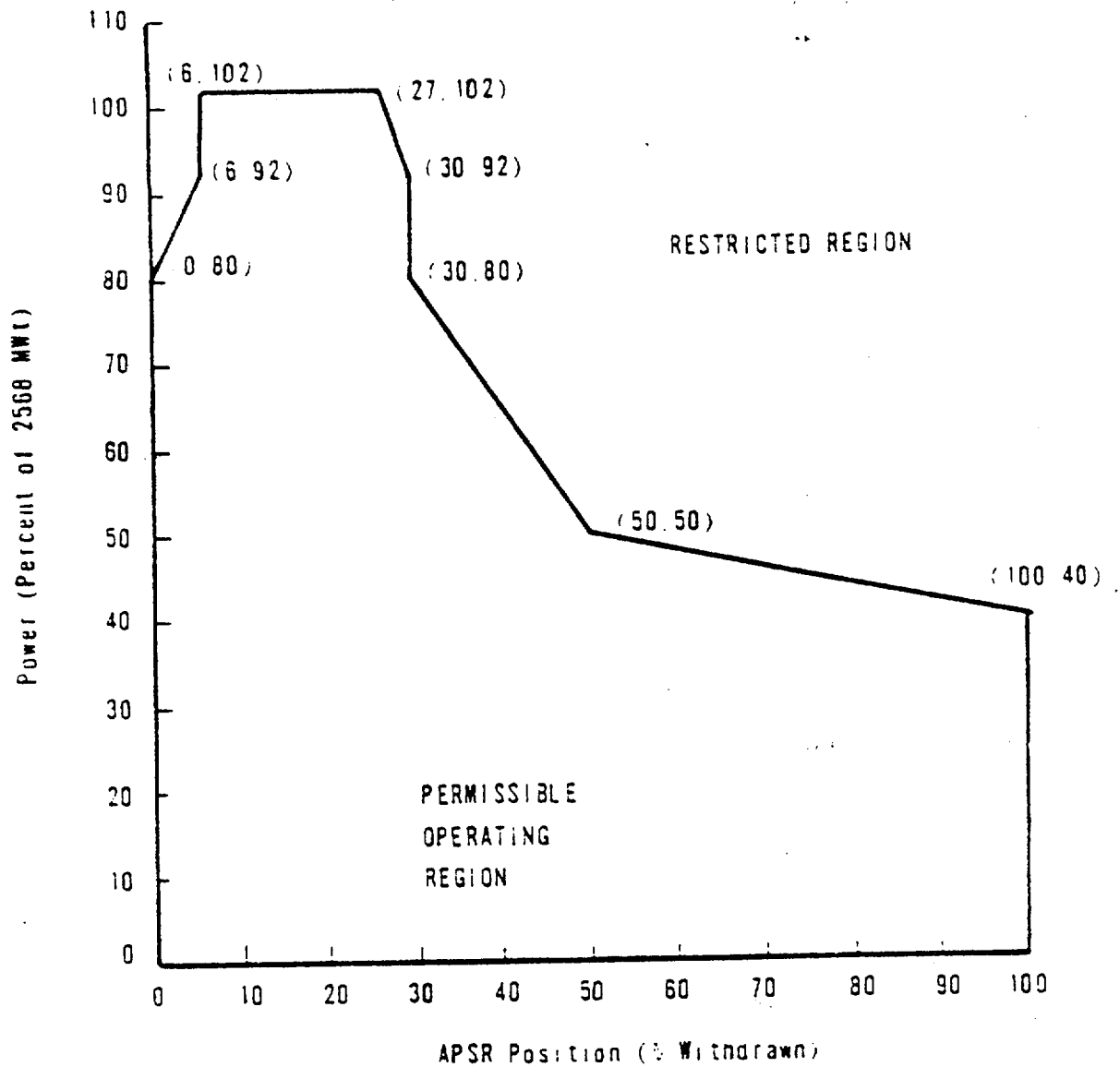


# RESTRICTED REGION



OPERATIONAL POWER IMBALANCE ENVELOPE  
FOR OPERATION FROM 0 TO 390 + 10 EFPO  
UNIT 2 - 30  
OCONEE NUCLEAR STATION  
Figure 3.5.2-381





APSR POSITION LIMITS FOR  
OPERATION  
FROM  $150 \pm 10$  EFPD TO  
 $390 \pm 10$  EFPD  
Unit 2 - 30  
OCONEE NUCLEAR STATION  
Figure 3.5.2-4B2





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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
SUPPORTING AMENDMENT NO. 100 TO FACILITY OPERATING LICENSE NO. DPR-38

AMENDMENT NO. 100 TO FACILITY OPERATING LICENSE NO. DPR-47

AMENDMENT NO. 97 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 August 19, 1981, Duke Power Company (Duke) submitted an application to amend the Oconee Nuclear Station Unit 2 License (DPR-47) by a change to the common Technical Specifications (TSs) for the Oconee Nuclear Station Units 1, 2 and 3. This requested change would revise the control rod insertion limits Specification figure title blocks, related to Unit 2, to indicate that operation to 390 effective full power days (EFPD) is acceptable. Since this request involves a change to the common TSs an amendment to all three Units is necessary even though only Unit 2 will be affected.

Evaluation

The Commission issued Amendments 83, 83 and 80 for the Oconee Nuclear Station Units 1, 2 and 3 on June 12, 1980, which revised the common TSs related to the full power operation of Unit 2 during Cycle 5. The changes to the TSs with that amendment contained revised figures related to Rod Position Limits for four, three and two reactor coolant pump operation, Power Imbalance Envelop and Axial Power Shaping Rod limits to be effective from  $150 + 10$  to  $360 + 10$  EFPD. By letter dated August 19, 1981, Duke requested that the title blocks for these figures be revised to indicate their acceptability from  $150 + 10$  to  $390 + 10$ , - 30 EFPD to allow for extended operation of Unit 2.

By Amendments 93, 93 and 90, which were issued on February 10, 1981 to support operation of Unit 3 during Cycle 6, a new Specification (3.5.2.9) was included in the common TSs requiring that an evaluation be performed to verify that operational limit curves remain valid for extended operation beyond the nominal design cycle length. In the August 19, 1981 application, Duke informed us that the evaluation required by Specification 3.5.2.9 had been completed and had confirmed that the existing Oconee 2 operating limits remain valid for operation to  $390 + 10$ , - 30 EFPD.

We have reviewed the August 19, 1981 application and have determined that the evaluation of the extended operation of Oconee Unit 2 was performed by methods previously approved. We, therefore, conclude that the proposed changes to the TSs 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) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) 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: September 11, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKETS NOS. 50-269, 50-270 AND 50-287DUKE POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY  
OPERATING LICENSES

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendments Nos. 100, 100, and 97 to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55, respectively, issued to Duke Power Company, which revised the Technical Specifications (TSs) for operation of the Oconee Nuclear Station, Units Nos. 1, 2 and 3, located in Oconee County, South Carolina. The amendments are effective as of the date of issuance.

These amendments revise the common Technical Specifications to allow the extension of Unit 2 Cycle 5 operation to 390 Effective Full Power Days (EFPD).

The application for the amendments complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter I, which are set forth in the license amendments. Prior public notice of these amendments was not required since the amendments do not involve a significant hazards consideration.



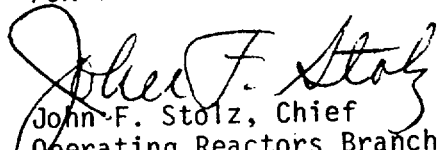
-2-

The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §1.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated August 19, 1981, (2) Amendments Nos. 100, 100, and 97 to Licenses Nos. DPR-38, DPR-47 and DPR-55, respectively, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C. and at the Oconee County Library, 501 West Southbroad Street, Walhalla, South Carolina. A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 11th day of September 1981.

FOR THE NUCLEAR REGULATORY COMMISSION

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