

Docket Nos. 50-269/270/287

Duke Power Company  
ATTN: Mr. William O. Parker, Jr.  
Vice President  
Steam Production  
Post Office Box 2178  
422 South Church Street  
Charlotte, North Carolina 28242

Gentlemen:

The Commission has issued the enclosed Amendments Nos. 28, 28 and 25 to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2 and 3, respectively. These amendments consist of changes to the Technical Specifications and are in response to your application dated April 16, 1976.

These amendments delete the restriction which limits Oconee Unit 3 cycle 1 operation to 10,944 Effective Full Power Hours.

Copies of the Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

original Signed by  
Charles M. Thannell

for A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Enclosure:

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

cc w/encl:

See next page

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SURNAME ➤	GZech:tsb	ASchwencer				
DATE ➤	6/11/76	6/ /76	6/ /76	6/ /76		

Duke Power Company

- 2 -

July 27, 1976

cc w/enclosures:

Mr. William L. Porter  
Duke Power Company  
P. O. Box 2178  
422 South Church Street  
Charlotte, North Carolina 28242

Mr. Troy B. Conner  
Conner & Knotts  
1747 Pennsylvania Avenue, NW  
Washington, D. C. 20006

Oconee Public Library  
201 South Spring Street  
Walhalla, South Carolina 29691

Honorable Reese A. Hubbard  
County Supervisor of Oconee County  
Walhalla, South Carolina 29621

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



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

DUKE POWER COMPANY

DOCKET NO. 50-269

OCONEE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 28  
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 April 16, 1976, 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 a change to the Technical Specifications as indicated in the attachment to this license amendment.
3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*for* *Charles M. Trammell*  
A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 27, 1976

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 28 TO FACILITY OPERATING LICENSE NO. DPR-38

AMENDMENT NO. 28 TO FACILITY OPERATING LICENSE NO. DPR-47

AMENDMENT NO. 25 TO FACILITY OPERATING LICENSE NO. DPR-55

DOCKETS NOS. 50-269/270/287

Revise Appendix A as follows:

Remove page 3.11-1.



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

DUKE POWER COMPANY

DOCKET NO. 50-270

OCONEE NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 28  
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 April 16, 1976, 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 a change to the Technical Specifications as indicated in the attachment to this license amendment.
3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*for* *Charles M. Trammell*  
A. Schwencer, Chief  
Operating Reactors Branch #1  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 27, 1976



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

DUKE POWER COMPANY

DOCKET NO. 50-287

OCONEE NUCLEAR STATION, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 25  
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 April 16, 1976, 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 a change to the Technical Specifications as indicated in the attachment to this license amendment.
3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Karl R. Goller*

Karl R. Goller, Assistant Director  
for Operating Reactors  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 27, 1976



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 28 TO FACILITY LICENSE NO. DPR-38

SUPPORTING AMENDMENT NO. 28 TO FACILITY LICENSE NO. DPR-47

SUPPORTING AMENDMENT NO. 25 TO FACILITY LICENSE NO. DPR-55

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3

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

Introduction

By letter dated April 16, 1976, Duke Power Company (the licensee) requested a change to the Technical Specifications appended to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55 for the Oconee Nuclear Station, Units 1, 2 and 3. The proposed change would delete the restriction limiting Oconee Unit 3 cycle 1 operation to 10,944 Effective Full Power Hours (EFPH).

Discussion

The Oconee Technical Specifications presently prohibit the operation of Oconee Unit 3 cycle 1 beyond 10,944 EFPH until supporting analyses and data pertinent to fuel clad collapse under nuclear fuel densification condition have been approved by the NRC. In its proposal, the licensee indicates that these analyses have been completed and that it has been determined that creep collapse will not occur during the projected three cycles of operation. The licensee has therefore requested that the restriction limiting Unit 3 cycle 1 operation to 10,944 EFPH be deleted.

Evaluation

The limitation which restricts Oconee Unit 3 cycle 1 operation to a maximum of 10,944 EFPH was applied by us as an interim measure until supporting analyses were approved pertinent to fuel cladding collapse resulting from fuel densification. The analyses have been completed, and provided to the staff in Babcock & Wilcox (B&W) Topical Report BAW-10084, Program to Determine In-Reactor Performance of B&W Fuels - Cladding Creep Collapse, May 1974. The topical report was reviewed and approved for license applications with provisions specified in our letter of August 9, 1974. B&W subsequently resubmitted the topical report describing the analysis, as refined by our provisions.

The licensee has applied the approved analysis to predict the most limiting time to cladding collapse for Oconee Unit 3. The application has several conservatisms including those we have previously identified. The most limiting time to cladding collapse exceeds the maximum projected three-cycle core life of 24,746 EFPH. We therefore conclude that the current limitation of 10,944 EFPH on Oconee Unit 3 cycle 1 operation can be deleted.

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 statement, negative declaration, or 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.

Date: July 27, 1976

UNITED STATES NUCLEAR REGULATORY COMMISSION

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

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 28, 28, and 25 to Facility Operating Licenses No. DPR-38, DPR-47, and DPR-55, respectively, issued to Duke Power Company which revised Technical Specifications 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 delete the restriction which limits Oconee Unit No. 3 Cycle 1 operation to 10,944 Effective Full Power Hours.

The application for these 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. Notice of Proposed Issuance of Amendment to Facility License No. DPR-55 in connection with this action was published in the FEDERAL REGISTER on June 21, 1976 (41 FR 24955). No request for a hearing or petition for leave to intervene was filed following notice of the proposed action.

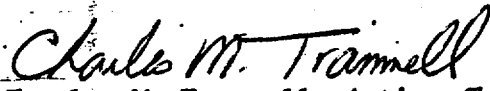
The Commission has determined that the issuance of these amendments will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental statement, negative declaration, or environmental impact appraisal need not be prepared in connection with issuance of these amendments.

For further details with respect to this action, see (1) the application for amendments dated April 16, 1976, (2) Amendment Nos. 28, 28, and 25 to License 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. 20555 and at the Oconee County Library, 201 South Spring, Walhalla, South Carolina 29691.

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 Operating Reactors.

Dated at Bethesda, Maryland, this 27th day of July 1976.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Charles M. Trammell, Acting Chief  
Operating Reactors Branch #1  
Division of Operating Reactors