

August 30, 1991

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

Distribution  
See next page

Mr. M.S. Tuckman  
Vice President -  
Nuclear Operations  
Duke Power Company  
P.O. Box 1007  
Charlotte, North Carolina 28201-1007

Dear Mr. Tuckman:

SUBJECT: ISSUANCE OF AMENDMENT NOS. 190 , 190 AND 187 TO FACILITY OPERATING  
LICENSES DPR-38, DPR-47 AND DPR-55 - OCONEE NUCLEAR STATION,  
UNITS 1, 2 AND 3 (TACS 79879, 79880, 79881)

The Nuclear Regulatory Commission has issued the enclosed Amendment Nos.  
190 , 190 and 187 to Facility Operating Licenses Nos. DPR-38, DPR-47 and DPR-55  
for the Oconee Nuclear Station, Units 1, 2 and 3. These amendments consist of  
changes to the Station's TSs in response to your request dated February 7, 1991.

The amendments delete the organization charts contained in Section 6 of the  
Technical Specifications and the associated bases, and add new statements  
addressing particular administrative control requirements related to the licensee  
organization.

A copy of the related Safety Evaluation is also enclosed. Notice of issuance of the  
enclosed amendments will be included in the Commission's biweekly Federal  
Register notice.

Sincerely,

ORIGINAL SIGNED BY:

Leonard A. Wiens, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 190 to DPR-38
2. Amendment No. 190 to DPR-47
3. Amendment No. 187 to DPR-55
4. Safety Evaluation

cc w/enclosures:  
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LA:PDII3  
LBerry  
8/6/91

PE:PDII3  
FRinaldi  
8/9/91

PM:PDII3  
LWiens/rst  
8/9/91

PC:LHB  
Wermiel  
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UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555

August 30, 1991

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The amendments delete the organization charts contained in Section 6 of the Technical Specifications and the associated bases, and add new statements addressing particular administrative control requirements related to the licensee organization.

A copy of the related Safety Evaluation is also enclosed. Notice of issuance of the enclosed amendments will be included in the Commission's biweekly Federal Register notice.

Sincerely,

A handwritten signature in black ink, appearing to read "A. Wiens", is written over the typed name.

Leonard A. Wiens, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 190 to DPR-38
2. Amendment No. 190 to DPR-47
3. Amendment No. 187 to DPR-55
4. Safety Evaluation

cc w/enclosures:  
See next page

Mr. M.S. Tuckman  
Duke Power Company

Oconee Nuclear Station  
Units Nos. 1, 2 and 3

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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. 190  
License No. DPR-38

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Oconee Nuclear Station, Unit 1 (the facility) Facility Operating License No. DPR-38 filed by the Duke Power Company (the licensee) dated February 7, 1991, 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 set forth in 10 CFR Chapter I;
  - D. The issuance of this license 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 hereby amended by page 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:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 190, 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Kelton N. Johnson for*

David B. Matthews, Director  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Technical Specification  
Changes

Date of Issuance: August 30, 1991



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. 190  
License No. DPR-47

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Oconee Nuclear Station, Unit 2 (the facility) Facility Operating License No. DPR-47 filed by the Duke Power Company (the licensee) dated February 7, 1991, 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 set forth in 10 CFR Chapter I;
  - D. The issuance of this license 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 hereby amended by page 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:

Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 190, 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Karla N. Talbot for*

David B. Matthews, Director  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Technical Specification  
Changes

Date of Issuance: August 30, 1991



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. 187  
License No. DPR-55

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Oconee Nuclear Station, Unit 3 (the facility) Facility Operating License No. DPR-55 filed by the Duke Power Company (the licensee) dated February 7, 1991, 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 set forth in 10 CFR Chapter I;
  - D. The issuance of this license 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 hereby amended by page 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:



Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 187, 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 its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Kate N. Tallon for*

David B. Matthews, Director  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Technical Specification  
Changes

Date of Issuance: August 30, 1991

ATTACHMENT TO LICENSE AMENDMENT NO.190

FACILITY OPERATING LICENSE NO. DPR-38

DOCKET NO. 50-269

AND

TO LICENSE AMENDMENT NO.190

FACILITY OPERATING LICENSE NO. DPR-47

DOCKET NO. 50-270

AND

TO LICENSE AMENDMENT NO. 187

FACILITY OPERATING LICENSE NO. DPR-55

DOCKET NO. 50-287

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised pages are identified by Amendment number and contain vertical lines indicating the areas of change.

Remove Pages

viii  
6.1-1  
6.1-1a  
6.1-7  
6.1-8

Insert Pages

viii  
6.1-1  
6.1-1a  
—  
—

LIST OF FIGURES (CONT'D)

<u>Figure</u>		<u>Page</u>
4.5.1-1	High Pressure Injection Pump Characteristics	4.5-4
4.5.1-2	Low Pressure Injection Pump Characteristics	4.5-5
4.5.2-1	Acceptance Curve for Reactor Building Spray Pumps	4.5-9

6.0 ADMINISTRATIVE CONTROLS

6.1 ORGANIZATION, REVIEW, AND AUDIT

6.1.1 Organization

Onsite and offsite organizations shall be established for unit operation and corporate management, respectively. The onsite and offsite organizations shall include the positions for activities affecting the safety of the nuclear power plant.

6.1.1.1 Lines of authority, responsibility, and communication shall be established and defined for the highest management levels through intermediate levels to and including all operating organization positions. These relationships shall be documented and updated, as appropriate, in the form of organization charts, functional descriptions of departmental responsibilities and relationships, and job descriptions for key personnel positions, or in equivalent forms of documentation. These requirements shall be documented in the FSAR.

6.1.1.2 The Station Manager shall be responsible for overall facility safe operation and shall have control over those onsite activities necessary for safe operation and maintenance of the plant and shall delegate in writing the succession to this responsibility during his absence.

6.1.1.3 The Vice President, Nuclear Production Department, shall have corporate responsibility for overall plant nuclear safety and shall take any measures needed to ensure acceptable performance of the staff in operating, maintaining, and providing technical support to the plant to ensure nuclear safety.

6.1.1.4 Incorporated in the staff of the station shall be personnel meeting the minimum requirements encompassing the training and experience described in Section 4 of ANSI/ANS-3.1-1978, "Selection and Training of Nuclear Power Plant Personnel" except for the Station Health Physicist, the Superintendent of Operations and the Operating Engineer.

The Station Health Physicist shall have a bachelor's degree in a science or engineering subject or the equivalent in experience, including some formal training in radiation protection, and shall have at least five years of professional experience in applied radiation protection of which three years shall be in applied radiation protection work in one of Duke Power Company's nuclear stations.

A qualified individual who does not meet the above requirements, but who has demonstrated the required radiation protection management capabilities and professional experience in applied radiation protection work at one of Duke Power Company's multi-unit nuclear stations, may be appointed to the position of Station Health Physicist by the Station Manager, based on the recommendations of

the System Health Physicist and as approved by the Vice President, Nuclear Operations.

The Superintendent of Operations shall have a minimum of eight years of responsible nuclear or fossil station experience, of which a minimum of three years shall be nuclear station experience. A maximum of two years of the remaining five years of experience may be fulfilled by academic training, or related technical training, on a one-for-one time basis. The Superintendent of Operations shall hold or have held a Senior Reactor Operator license.

The Operating Engineer shall have a minimum of eight years of responsible nuclear or fossil station experience, of which a minimum of three years shall be nuclear station experience. A maximum of two years of the remaining five years of experience may be fulfilled by academic training, or related technical training on a one-for-one time basis. The Operating Engineer shall hold a Senior Reactor Operator license.

- 6.1.1.5 The individuals who train the operating staff and those who carry out health physics and quality assurance functions may report to the appropriate onsite manager; however, they shall have sufficient organizational freedom to ensure their independence from operating pressures.
- 6.1.1.6 Minimum operating shift crew requirements shall be as specified in Table 6.1-1.
- 6.1.1.7 Retraining and replacement of station personnel shall be in accordance with Section 5.5 of the ANSI/ANS-3.1-1978, "Selection and Training of Nuclear Power Plant Personnel."
- 6.1.1.8 A training program for the fire brigade shall meet or exceed the requirements of Section 27 of the NFPA Code-1975, except that training sessions may be held quarterly.
- 6.1.1.9 The two functions of the Shift Technical Advisor, namely accident assessment and operating experience assessment, are fulfilled in the following manner:
  - a. An experienced SRO, who has been instructed in additional academic subjects, will be assigned on-shift to provide the accident assessment capability.
  - b. The operating experience assessment function will be provided by the Station Safety Review Group.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE DPR-38

AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE DPR-47

AMENDMENT NO. 187 TO FACILITY OPERATING LICENSE DPR-55

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3

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

1.0 INTRODUCTION

By letter dated February 7, 1991, the Duke Power Company (the licensee) submitted a request for changes to the Oconee Nuclear Station, Units 1, 2, and 3, Technical Specifications (TS). The requested changes would delete the Organization charts from Section 6 of the TSs and the associated bases, and add new statements addressing particular administrative control requirements related to the licensee organization. These changes are based on NRC guidance provided in Generic Letter 88-06. Specifically, the licensee has proposed changes that would (1) expand Specification 6.1.1 to include a requirement for establishing onsite and offsite organizations for unit operation and corporate management; (2) provide a new requirement for establishing lines of authority, responsibility, and communication in Specification 6.1.1.1; (3) replace the current Specification 6.1.1.2 with a new Specification 6.1.1.2 to designate the station manager as the management position responsible for overall unit operation; (4) replace the current Specification 6.1.1.3 with new Specification 6.1.1.3 to designate an executive position that has corporate responsibility for overall plant safety; (5) change the title "General Manager, Nuclear Stations," to "Vice President, Nuclear Operations," in Specification 6.1.1.4 to reflect changes in corporate organization; (6) specify the minimum operating shift crew requirements in Specification 6.1.1.6; (7) delete Figures 6.1.1 and 6.1.2; and (8) make the required editorial changes to the numerical sequence of the specifications and figures. The organization charts currently in Chapter 13 of the Final Safety Analysis Report (FSAR) identifying the lines of authority will be updated routinely to reflect changes in the organizations.

2.0 EVALUATION

Currently, for the Oconee Nuclear Station, onsite and offsite organizations are shown by organization charts included under Administrative Controls of the TSs. This practice requires the processing of a license amendment to change an organization chart before implementing a change in organizational structure. Generic Letter 88-06 provides guidance for deleting these organization charts from the TSs and requires the addition of general requirements that would capture the essential aspects of the organization charts being deleted. This regulatory change results from staff experience concluding that organization charts can be modified while maintaining adequate operational safety.

Generic Letter 88-06 identified that the only aspects of organization charts which are important to safety would include (1) lines of authority, responsibility, and communication to be established and updated in documents like the FSAR; (2) designation of the authority responsible for overall unit safe operation including onsite activities necessary for safe operation and maintenance of the plant; (3) designation of the executive having corporate responsibility for overall plant nuclear safety, including measures for acceptable performance of staff in operation, maintenance, and technical support to ensure nuclear safety; (4) establishment of the independence from operating pressures for individuals who train the operating staff and who carry out health physics and quality assurance functions even though they report to appropriate onsite managers; and (5) the designation of the positions requiring a Senior Reactor Operator and/or Reactor Operator license.

The changes proposed by the licensee are in accordance with the guidance provided by Generic Letter 88-06. The proposed changes to Section 6 of the Oconee Nuclear Station TSs follow the guidance and specific details provided in Enclosures 1 and 2 of Generic Letter 88-06. These changes are as follows:

1. Specification 6.1.1 includes a requirement for establishing onsite and offsite organizations for unit operation and corporate management consistent with the Generic Letter 88-06 guidance and the Standard Technical Specifications.
2. Specification 6.1.1.1 establishes a new requirement for establishment of lines of authority, responsibility, and communication.
3. The current TSs 6.1.1.2 and 6.1.1.3 are deleted. The proposed Specification 6.1.1.2 designates the station manager as the management position responsible for overall unit operation, while proposed Specification 6.1.1.3 is a new requirement which designates an executive position that has corporate responsibility for overall plant safety.
4. Organization charts in Figures 6.1.1 and 6.1.2 are deleted pursuant to Generic Letter 88-06 guidance. The existing organization charts in Chapter 13 of the FSAR depicting the lines of authority and responsibility will be updated as necessary for any future changes to these organizations. The List of Figures on page viii is revised to indicate the deletion of the Organizational Charts on pages 6.1.7 and 6.1.8.

5. The minimum operating shift crew requirements included in the current TS 6.1.1.3 are now under the new proposed TS 6.1.1.6. The order of the current TSs 6.1.1.5, 6.1.1.6, and 6.1.1.7 is changed to 6.1.1.7, 6.1.1.8, and 6.1.1.9, respectively, for proper sequencing due to the addition of new specifications. The text of these specifications remain unchanged.

The change of title from General Manager, Nuclear Stations to Vice President, Nuclear Operations is an administrative change and is acceptable. The NRC staff has reviewed each specific change proposed by the licensee and finds them acceptable.

### 3.0 STATE CONSULTATION

In accordance with the Commission's regulations, the South Carolina State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 4.0 ENVIRONMENTAL CONSIDERATION

The amendments relate to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendments.

### 5.0 CONCLUSION

The Commission has 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, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributors: F. Rinaldi, PDII-3  
L. Wiens, PDII-3

Date: August 30, 1991



DATED: August 30, 1991

AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE DPR-38 - Oconee Nuclear Station, Unit 1  
AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE DPR-47 - Oconee Nuclear Station, Unit 2  
AMENDMENT NO. 187 TO FACILITY OPERATING LICENSE DPR-55 - Oconee Nuclear Station, Unit 3

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