

September 23, 1974

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

Duke Power Company
ATTN: Mr. Austin C. Thies
Senior Vice President
422 South Church Street
P. O. Box 2178
Charlotte, North Carolina 28201

Gentlemen:

The Commission has issued the enclosed Amendment No. 4, Technical Specification Change No. 14 for License No. DPR-38; Amendment No. 4, Technical Specification Change No. 9 for License No. DPR-47; and Amendment No. 1, Technical Specification Change No. 1 for License No. DPR-55, for the Oconee Nuclear Station, Units 1, 2, and 3. These amendments are in response to your request dated August 19, 1974.

These amendments incorporate in the Oconee Technical Specifications the organizational position titles which will be standard for all Duke Power Company nuclear stations. Please note, as discussed with your staff, we have revised Table 6.1-1 to show the positions requiring Senior Operating licenses.

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

Sincerely,

Original Signed by
Karl Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Enclosures:

1. Amendment No. 4
2. Amendment No. 4
3. Amendment No. 1
4. Safety Evaluation
5. Federal Register Notice

LB

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SEP 23 1974

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

Duke Power Company
ATTN: Mr. Austin C. Thies
Senior Vice President
422 South Church Street
P. O. Box 2178
Charlotte, North Carolina 28201

Gentlemen:

The Commission has issued the enclosed Amendment No. 5, Technical Specification Change No. 15 for License No. DPR-38; Amendment No. 4, Technical Specification Change No. 14 for License No. DPR-47; and Amendment No. 1, Technical Specification Change No. 1 for License No. DPR-55, for the Oconee Nuclear Station, Units 1, 2 and 3. These amendments are in response to your request dated August 19, 1974.

These amendments incorporate in the Oconee Technical Specifications the organizational position titles which will be standard for all Duke Power Company nuclear stations. Please note, as discussed with your staff, we have revised Table 6.1-1 to show the positions requiring Senior Operating licenses.

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

Sincerely,

Original signed by:
Karl R. Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

bcc: H. J. McAlduff, ORO
J. R. Buchanan, ORNL
T. B. Abernathy, DTIE

Enclosures:

1. Amendment No. 5
2. Amendment No. 4
3. Amendment No. 1
4. Safety Evaluation
5. Federal Register Notice

OFFICE ▶	L:ORB-1 x7434:esp	L:ORB-1 SMSheppard	L:ORB-1 RAPurple	L:QAB RVollmer	OGC	L:AD/ORs KRG
SURNAME ▶	LMcDonough	SMSheppard	RAPurple	RVollmer		KRGoller
DATE ▶	9/ /74	9/23/74	9/23/74	9/ /74	9/ /74	9/23/74

Duke Power Company

SEP 23 1974

cc w/encls:
Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28201

Mr. Troy B. Conner
Conner, Hadlock & Knotts
1747 Pennsylvania Avenue, N. W.
Washington, D. C. 20006

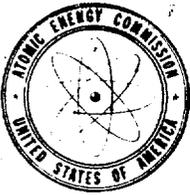
Honorable Reese A. Hubbard
County Supervisor of Oconee County
Walhalla, South Carolina 29621

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

cc w/encls. and Duke ltr. dtd. 8/19/74:
Mr. Elmer Whitten
State Clearinghouse
Office of the Governor
Division of Administration
1205 Pendleton Street
4th Floor
Columbia, South Carolina 29201

Mr. Dave Hopkins
Environmental Protection Agency
1421 Peachtree Street, N. E.
Atlanta, Georgia 30309

OFFICE ▶						
SURNAME ▶						
DATE ▶						



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

DUKE POWER COMPANY

DOCKET NO. 50-269

OCONEE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
License No. DPR-38

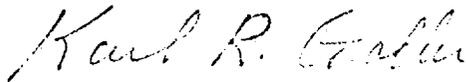
1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1974, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B. of Facility License No. DPR-38 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 14 "

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

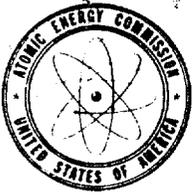
FOR THE ATOMIC ENERGY COMMISSION



Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 14 to
Technical Specifications

Date of Issuance: September 23, 1974



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

DUKE POWER COMPANY

DOCKET NO. 50-270

OCONEE NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
License No. DPR-47

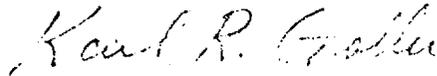
1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1974, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B. of Facility License No. DPR-47 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 9 ."

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

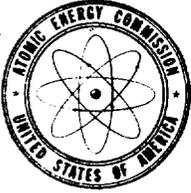
FOR THE ATOMIC ENERGY COMMISSION



Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 9 to
Technical Specifications

Date of Issuance: September 23, 1974



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

DUKE POWER COMPANY

DOCKET NO. 50-287

OCONEE NUCLEAR STATION, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 1
License No. DPR-55

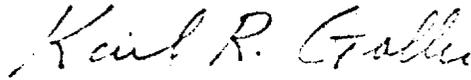
1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for amendment by Duke Power Company (the licensee) dated August 19, 1974, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set 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. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 3.B. of Facility License No. DPR-55 is hereby amended to read as follows:

"B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 1."

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

FOR THE ATOMIC ENERGY COMMISSION



Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

Attachment:
Change No. 1 to
Technical Specifications

Date of Issuance: September 23, 1974

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 4 TO FACILITY LICENSE NO. DPR-38,
CHANGE NO. 14 TO TECHNICAL SPECIFICATIONS;

AMENDMENT NO. 4 TO FACILITY LICENSE NO. DPR-47,
CHANGE NO. 9 TO TECHNICAL SPECIFICATIONS;

AMENDMENT NO. 1 TO FACILITY LICENSE NO. DPR-55,
CHANGE NO. 1 TO TECHNICAL SPECIFICATIONS

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS 1, 2, AND 3

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

Revise Appendix A as follows:

Remove pages 6.1-1, 6.1-2, 6.1-3, 6.1-4, 6.1-7, 6.1-8, 6.2-1,
and 6.3-1 and insert the attached pages.

6.0 ADMINISTRATIVE CONTROLS

6.1 ORGANIZATION, REVIEW, AND AUDIT

6.1.1 Organization

- 6.1.1.1 The station Manager is directly responsible for the safe operation of the facility.
- 6.1.1.2 In all matters pertaining to actual operation and maintenance and to these Technical Specifications, the station Manager shall report to and be directly responsible to the Assistant Vice President, Steam Production. The organization is shown in Figure 6.1-2.
- 6.1.1.3 The station organization for Operations, Technical Services, and Maintenance shall be functionally as shown in Figure 6.1-1. Minimum operating shift requirements are specified in Table 6.1-1.
- 6.1.1.4 Incorporated in the staff of the station shall be supervisory and professional personnel meeting the minimum requirements encompassing the training and experience described in Section 4 of the ANSI 18.1, "Selection and Training of Nuclear Power Plant Personnel."
- 6.1.1.5 Retraining and replacement of station personnel shall be in accordance with Section 5.5 of the ANSI 18.1, "Selection and Training of Nuclear Power Plant Personnel."

6.1.2 Review and Audit

In matters of nuclear safety and radiation exposure, review and audit of station operation, maintenance, and technical matters shall be provided by two committees as follows: (Reference Figure 6.1-2)

6.1.2.1 Station Review Committee

a. Membership

The station Manager shall appoint an on-site review committee consisting of at least five members of the station supervisory staff. Representation shall be provided from Operations and from Technical Services. Membership shall include expertise appropriate to the items being considered by the committee.

14/9/1

The chairman of the on-site review committee shall be appointed by the station Manager.

14/9/1

b. Meeting Frequency

This committee shall meet at least once each month and as required on call by the chairman.

c. Quorum

The chairman plus two members shall constitute a quorum.

d. Responsibilities

The committee shall have the following responsibilities:

1. Review all new procedures or changes to existing procedures determined by the station Manager or his designate to affect operational safety. | 14/9/1
2. Review station operation and safety considerations.
3. Review abnormal occurrences, unusual events, and violations of Technical Specifications and make recommendations to prevent recurrence.
4. Review all proposed tests that affect nuclear safety or radiation safety.
5. Review proposed changes to Technical Specifications and safety-related changes or modifications to the station design.

e. Authority

The Station Review Committee shall make recommendations to the station Manager regarding Specification 6.1.2.1-d. | 14/9/1

f. Records

Minutes of all meetings of the committee shall be kept at the station, and copies shall be sent to the station Manager, Assistant Vice President Steam Production, and the chairman of the Nuclear Safety Review Committee. | 14/9/1

6.1.2.2 Nuclear Safety Review Committee

- a. The Executive Vice President and General Manager shall appoint a Nuclear Safety Review Committee having responsibility to verify that operation of the station is consistent with company policy and rules, approved operating procedures, and license provisions; to review important proposed station changes, and tests; to verify that abnormal occurrences and unusual events are promptly investigated and corrected in a manner which reduces the probability of recurrence of such events; and to detect trends which may not be apparent to a day-to-day observer.
- b. The activities of the Nuclear Safety Review Committee shall be guided by a written charter that contains the following:

Subjects within the purview of the committee
 Responsibility and authority
 Mechanisms for convening meetings
 Provisions for use of specialists or subgroups

Authority for access to station records
 Reporting requirements
 Identification of management position to which the group reports
 Provisions for assuring that the committee is kept informed of matters
 within its purview

c. The committee shall be composed of:

Chairman

At least two members from the Steam Production Department. (May include station Manager but not other Oconee Nuclear Station personnel.)

14/9/1

At least two members from the Engineering Department

Others deemed advisable. (May include consultant from outside the company.)

The committee shall elect a vice chairman.

Qualified alternates shall be appointed or other provisions shall be made for covering the absence of full-time members of the group. The use of alternates shall be restricted to legitimate and unavoidable absences of principals.

d. Qualifications:

At least one-half of the members of the committee (and/or alternates attending a specific meeting) shall have extensive nuclear experience and all members and alternates shall be engineering or science graduates. No more than a minority of the members or alternates shall have a direct line responsibility for station operation. All members shall have a minimum of three years professional level experience in nuclear services, nuclear station operation, or nuclear engineering and the necessary overall nuclear background to detect when to call consultants and contractors for dealing with complex problems beyond the scope of their own organization.

e. Members of the committee shall collectively have the capability required to review the areas of:

1. Nuclear Power Station Operations
2. Nuclear Engineering
3. Chemistry and Radiochemistry
4. Metallurgy
5. Instrumentation and Control
6. Radiological Safety
7. Mechanical and Electrical Engineering
8. Other appropriate fields associated with the unique characteristics of the Oconee Nuclear Station

When the nature of a particular situation dictates, special consultants shall be utilized to provide expert advice to the committee.

f. Meeting Frequency:

The committee shall meet at least three times per year at intervals not to exceed five months and as required on call by the chairman. During the period of initial operation, this committee shall meet at least once per calendar quarter.

g. Quorum:

The chairman or vice-chairman plus three members, or appointed alternates, shall constitute a quorum. No more than a minority of the quorum shall have direct line responsibility for station operation.

h. Meeting Minutes:

Minutes of all scheduled meetings of the committee shall be prepared and shall identify all documentary materials reviewed. These minutes shall be formally approved, retained, and also promptly distributed to the Executive Vice President and General Manager; Senior Vice President, Engineering and Construction; Senior Vice President, Production and Transmission; Vice President, Design Engineering; Assistant Vice President, Steam Production; and station Manager. A copy of these minutes shall be kept on file at the station.

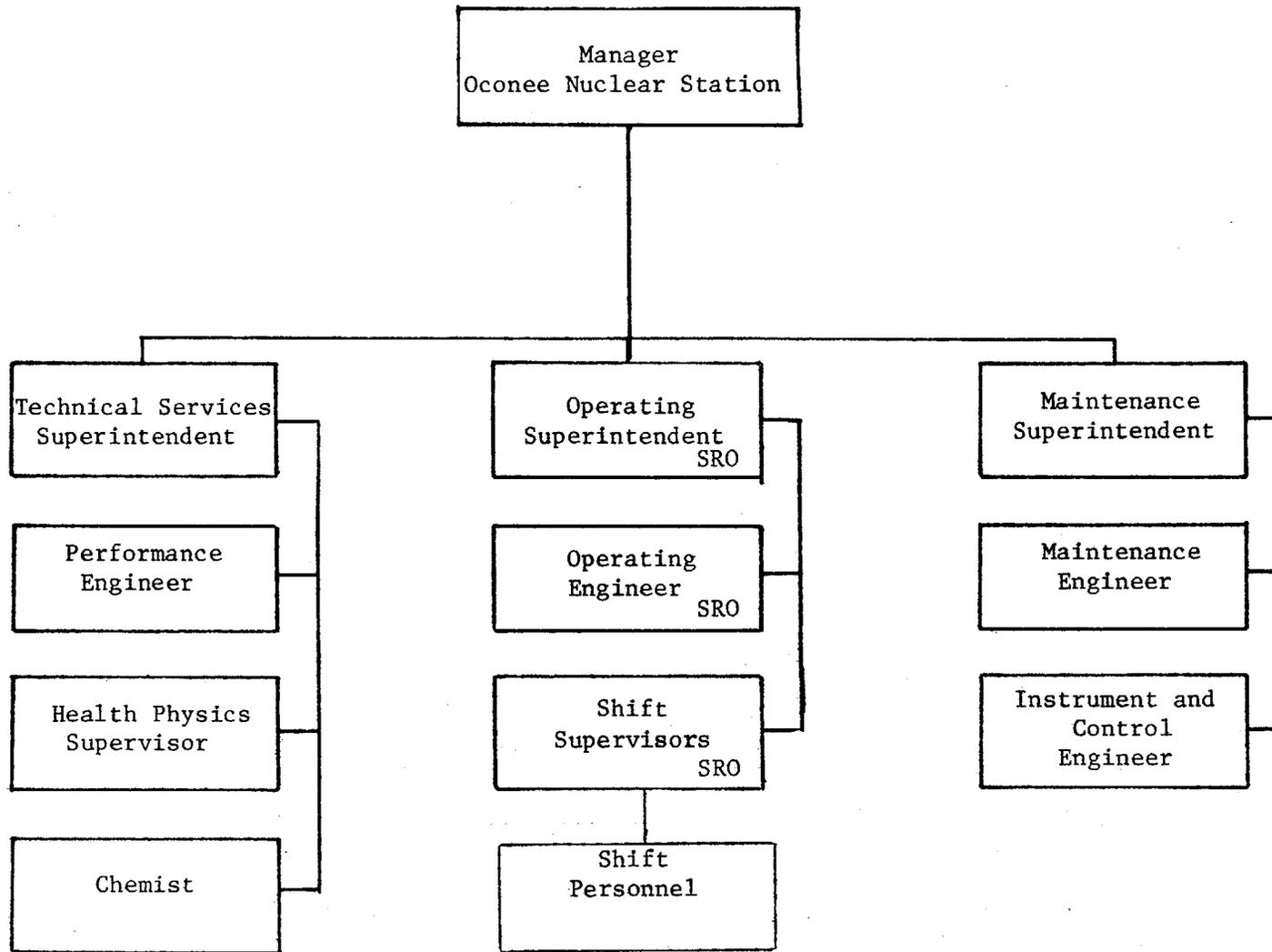
14/9/1

i. As a safety review to the normal operating organization, the committee shall review the following:

1. Proposed tests and experiments, and results thereof, when these constitute an unreviewed safety question defined in 10CFR50.59.
2. Proposed changes in equipment or systems which constitute an unreviewed safety question defined in 10CFR50.59, or which are referred by the operating organization.
3. All requests to the AEC/DOL for changes in Technical Specifications or license that involve unreviewed safety questions as defined in 10CFR50.59.
4. Violations of statutes, regulations, orders, Technical Specifications, license requirements, or internal procedures, or instructions having safety significance as determined by the NSRC.
5. Abnormal occurrences or unusual events as defined in 1.0 of these specifications.
6. Special reviews or investigations as required by the Assistant Vice President, Steam Production, or the station Manager.

14/9/1

6.1-7



SRO - Senior Reactor Operator License

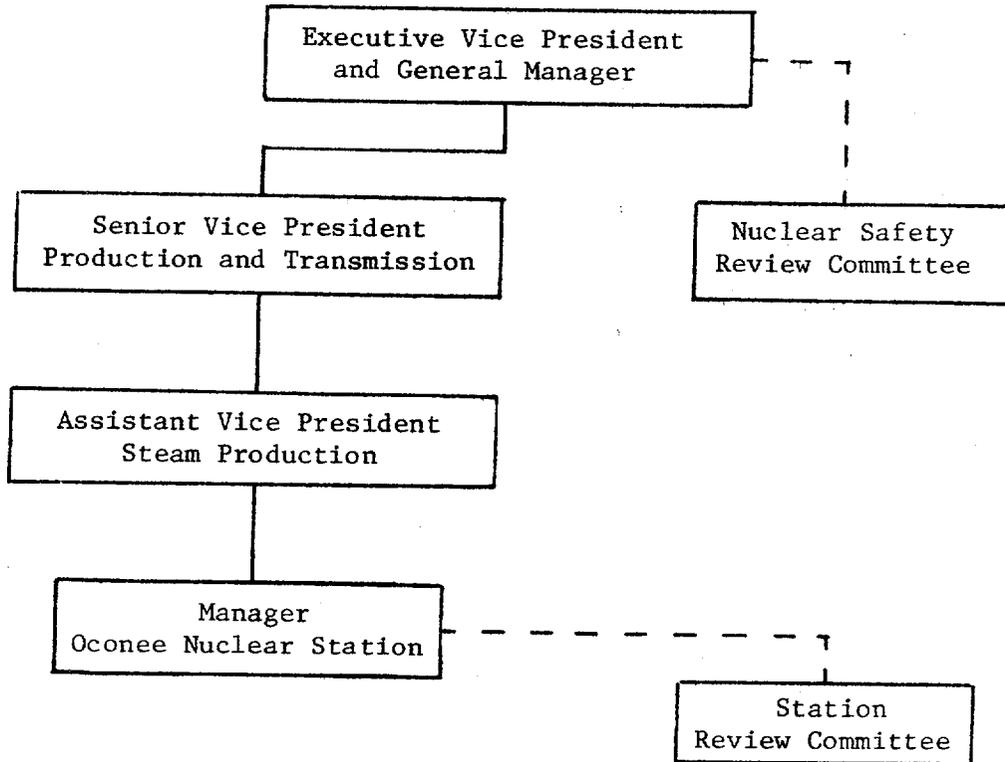


OCONEE NUCLEAR STATION
STATION ORGANIZATION CHART

FIGURE 6.1-1 | 14/9/1

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OCONEE NUCLEAR STATION
MANAGEMENT ORGANIZATION CHART
FIGURE 6.1-2 | 14/9/1

- 6.2 ACTION TO BE TAKEN IN THE EVENT OF AN ABNORMAL OCCURRENCE OR UNUSUAL EVENT
- 6.2.1 Any abnormal occurrence or unusual event shall be investigated promptly by the station Manager.
- 6.2.2 The station Manager shall promptly notify the Assistant Vice President, Steam Production, of any abnormal occurrence or unusual event. The Station Review Committee shall review a written report which shall describe the circumstances leading up to and resulting from the occurrence and shall recommend appropriate action to prevent or minimize the probability of a recurrence.
- 6.2.3 The Station Review Committee report shall be submitted to the Nuclear Safety Review Committee for review of any recommendations. Copies shall also be sent to the station Manager and the Assistant Vice President, Steam Production.

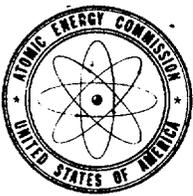
14/9/1

6.3 ACTION TO BE TAKEN IN THE EVENT A SAFETY LIMIT IS EXCEEDED

Specification

If a safety limit is exceeded:

- 6.3.1 The reactor shall be shut down immediately and maintained in a safe shutdown condition until otherwise authorized by the AEC.
- 6.3.2 The station Manager shall make an immediate report to the Assistant Vice President, Steam Production; the Senior Vice President, Production and Transmission; and the Chairman of the Nuclear Safety Review Committee. | 14/9/1
- 6.3.3 The circumstances shall be promptly reported to the AEC by the Senior Vice President, Production and Transmission as indicated in Section 6.6.2.1, Station Reporting Requirements.
- 6.3.4 The station Manager shall direct the Station Review Committee to perform an analysis of the circumstances leading up to and resulting from the situation together with recommendations to prevent a recurrence. The report covering this analysis shall be sent to the Nuclear Safety Review Committee for review and approval. Copies of this report shall also be submitted to the station Manager; Assistant Vice President, Steam Production; the Senior Vice President, Production and Transmission; the Chairman of the Nuclear Safety Review Committee; the Senior Vice President, Engineering and Construction; Vice President, Design Engineering; and the Executive Vice President and General Manager. Appropriate analyses or reports shall be submitted to the AEC by the Senior Vice President, Production and Transmission as indicated in Section 6.6.2.1, Station Reporting Requirements. | 14/9/1



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

SUPPORTING AMENDMENT NO. 4 TO FACILITY LICENSE NO. DPR-38
CHANGE NO. 14 TO TECHNICAL SPECIFICATIONS;

AMENDMENT NO. 4 TO FACILITY LICENSE NO. DPR-47
CHANGE NO. 9 TO TECHNICAL SPECIFICATIONS;

AMENDMENT NO. 1 TO FACILITY LICENSE NO. DPR-55
CHANGE NO. 1 TO TECHNICAL SPECIFICATIONS;

DUKE POWER COMPANY

OCONEE NUCLEAR STATION, UNITS 1, 2 AND 3

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

Introduction

By letter dated August 19, 1974, Duke Power Company requested changes to the Technical Specifications appended to Facility Operating Licenses DPR-38, DPR-47, and DPR-55 for the Oconee Station. The proposed changes involve:

1. Title change within the station organization.
2. Changes to the station organizational chart.
3. Changes to the management organization chart.

Discussion

The proposed change would revise the following pages in the Technical Specifications to reflect the title change from Plant Superintendent to Station Manager: 6.1-1 through 6.1-4, 6.2-1 and 6.3-1.

On page 6.2-1, Section 6.6.4 has been eliminated. However, the requirements of this Section are in Section 6.6.2.1 which remains unchanged.

The following changes to the station organization chart have been proposed:

1. The title of Plant Superintendent will be changed to Station Manager.
2. The position of Assistant Plant Superintendent will be eliminated.
3. Clerical Staff and Visitor Center Staff will be removed from the chart.
4. The supervisor's titles in the two service groups and the operating group will be changed from Engineer to Superintendent.

The proposed change in the management organization chart (Figure 6.1-2) will simplify the reporting channels for the Safety Review Committee and the Station Review Committee.

The organization and titles incorporated in the proposed change will be standard for all Duke Power Company nuclear stations.

Evaluation

In reviewing this proposed change, the staff found that it dealt mainly with title changes and the elimination of; redundant requirements, multiple reporting channels and non-operational groups. The elimination of the position of Assistant Plant Superintendent is compensated for by eliminating non-operational responsibilities, upgrading the supervisory positions in the Service and Operation groups, and shortening the authority chain between the Station Manager and the operating personnel.

The staff has concluded that this proposal does not involve a substantive change in the Oconee Station organization and strengthens the review and audit functions within the licensee's management organization. The resulting organizational structure is acceptable and consistent with the criteria of ANSI 18.1.

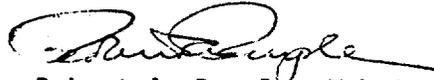
Conclusion

We have concluded, based on the reasons discussed above, that the authorization of these changes does not involve a significant hazards consideration. We also conclude that there is reasonable assurance (i) that the activities authorized by these amendments 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 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.



Leo W. McDonough
Operating Reactors Branch #1
Directorate of Licensing



Robert A. Purple, Chief
Operating Reactors Branch #1
Directorate of Licensing

Date: September 23, 1974

UNITED STATES ATOMIC ENERGY COMMISSION

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

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

Notice is hereby given that the U. S. Atomic Energy Commission (the Commission) has issued Amendments No. 4, 4 and 1 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 1, 2 and 3, located in Oconee County, South Carolina. The amendments are effective as of the date of issuance.

These amendments incorporate in the Oconee Technical Specifications the organizational position titles which will be standard for all Duke Power Company nuclear stations.

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.

For further details with respect to this action, see (1) the application for amendments dated August 19, 1974, (2) Amendments No. 4, 4 and 1 to Licenses No. DPR-38, DPR-47 and DPR-55, respectively, with

any attachments, and (3) the Commission's related Safety Evaluation. All of these items are available for public inspection at the Commission's Public Document, 1717 H Street, N. W., Washington, D. C. and at the Oconee County Library, 201 S. Spring Street, Walhalla, South Carolina 29691.

A copy of items (2) and (3) may be obtained upon request addressed to the U. S. Atomic Energy Commission, Washington, D. C. 20545, Attention: Deputy Director for Reactor Projects, Directorate of Licensing - Regulation.

Dated at Bethesda, Maryland, this 23rd day of September, 1974.

FOR THE ATOMIC ENERGY COMMISSION



Robert A. Purple, Chief
Operating Reactors Branch #1
Directorate of Licensing