

MAY 20 1977

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

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 Amendment No. 40 to Facility License No. DPR-38, Amendment No. 40 to Facility License No. DPR-47, and Amendment No. 37 to Facility License No. DPR-55 for the Oconee Nuclear Station, Unit Nos. 1, 2 and 3. These amendments consist of a change to the Station's common Technical Specifications in response to your request dated May 6, 1977.

These amendments revise paragraph 4.18.1 of the common Technical Specifications to provide a one time extension in the inspection interval for the shock suppressors (snubbers) for Oconee Unit No. 2 to not longer than June 4, 1977.

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

Sincerely,

/s/

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

Enclosures:

1. Amendment No. 40 to DPR-38
2. Amendment No. 40 to DPR-47
3. Amendment No. 37 to DPR-55
4. Safety Evaluation
5. Notice

cc w/encl: See next page

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

May 20, 1977

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A. Schwencer, Chief
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Duke Power Company

- 2 -

May 20, 1977

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

J. Micheal McGarry, III, Esquire
DeBevoise & Liberman
700 Shoreham Building
806-15th Street, NW.,
Washington, D.C. 20005

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

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

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

Chief, Energy Systems
Analyses Branch (AW-459)
Office of Radiation Programs
U. S. Environmental Protection Agency
Room 645, East Tower
401 M Street, S. W.
Washington, D. C. 20460

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



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. 40
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 May 6, 1977, 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 License No. DPR-38 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 40, 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



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 20, 1977



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. 40
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 May 6, 1977, 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 License No. DPR-47 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 40, 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



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 20, 1977



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. 37
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 May 6, 1977, 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 License No. DPR-55 is hereby amended to read as follows:

"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 37, 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 issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 20, 1977

ATTACHMENT TO LICENSE AMENDMENTS

AMENDMENT NO. 40 TO DPR-38

AMENDMENT NO. 40 TO DPR-47

AMENDMENT NO. 37 TO DPR-55

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

Revise Appendix A as follows:

Remove page 4.18.1 and insert revised pages 4.18.1 and 4.18.1a.

4.18 HYDRAULIC SHOCK SUPPRESSORS (SNUBBERS)

Applicability

Applies to hydraulic shock suppressors used to protect the Reactor Coolant System or other safety-related systems.

Objective

To verify that required hydraulic shock suppressors are operable.

Specification

4.18.1 All hydraulic snubbers listed in Table 4.18-1 whose seal material has been demonstrated by operating experience, lab testing or analysis to be compatible with the operating environment shall be visually inspected. This inspection shall include as a minimum hydraulic fluid reservoir, fluid connections, and linkage connections to the piping and anchor to verify suppressor operability in accordance with the following schedule:

<u>Number of Suppressors Found Inoperable During Last Inspection</u>	<u>Next Required Inspection Interval</u>
0	18 months \pm 25%
1	12 months \pm 25%
2	6 months \pm 25%
3,4	4 months \pm 25%
5,6,7	2 months \pm 25%
<u>>8</u>	1 month \pm 25%

Note: (1) The required inspection interval shall not be lengthened more than one step per inspection.

Note: (2) Suppressors may be categorized in two groups, "accessible" or "inaccessible", based on their accessibility during reactor operation. These two groups may be inspected independently according to the above schedule.

(3) The inspection interval including the + 25% margin, for Oconee Unit No. 2 which ends on May 22, 1977, may be extended to not longer than June 4, 1977.

(4) A total maximum combined interval time for any 3 consecutive tests shall not exceed 3.25 times the specified surveillance interval.

4.18.2 All hydraulic snubbers whose seal materials are other than ethylene propylene or other material that has been demonstrated to be compatible with the operating environment shall be visually inspected for operability once every month.

4.18.3 A representative sample of 10 hydraulic shock suppressors or approximately 10 percent of the suppressors installed whichever is less, shall be functionally tested for operability each refueling outage. This test shall include verification of proper piston movement, lockup and bleed. For each suppressor determined to inoperable, an additional

10 percent or 10 suppressors, whichever is less, shall be tested until no more failures are found or all suppressors have been tested. Suppressors with a rated capacity greater than 50,000 lbs., are exempted from this requirement.

- 4.18.4 The initial inspection shall be performed within 6 months from the date of issuance of these specifications. For the purpose of entering the schedule of Specification 4.18.1, it shall be assumed that the facilities had been on a 6 month inspection interval.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 40 TO FACILITY LICENSE NO. DPR-38

AMENDMENT NO. 40 TO FACILITY LICENSE NO. DPR-47

AMENDMENT NO. 37 TO FACILITY LICENSE NO. DPR-55

DUKE POWER COMPANY

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

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

Introduction

By letter dated May 6, 1977, Duke Power Company (the licensee) requested a change to paragraph 4.18.1 of the common Technical Specifications incorporated in the operating licenses of Unit Nos. 1, 2 and 3 of the Oconee Nuclear Station. This proposed license amendment would extend the current Oconee Unit No. 2 hydraulic shock suppressors (snubbers) inspection interval to allow a limited delay in the start of the next inspection.

Discussion

The proposed amendments would allow the licensee to continue to operate Oconee Unit No. 2 for a brief period of time past the end of the present snubber inspection interval. If this one time extension were not granted, Oconee Unit No. 2 would have to be shut down May 22, 1977, to perform an inspection of the inaccessible snubbers. The initial Oconee Unit No. 2 snubber inspection in accordance with the Technical Specifications was performed on December 20, 1976. During that inspection, 4 snubbers in the "inaccessible during normal operation" group were determined to be inoperable. Based on paragraph 4.18.1 of the Technical Specifications, that required the next inspection to be performed in 4 months \pm 1 month, making the latest date to perform the inspection May 22, 1977.

Since Oconee Unit No. 2 has been operating essentially continuously since the initial inspection, the licensee has, with justification, been taking advantage of the 1 month margin to avoid a shutdown just for the snubber inspection and requested this amendment as a contingency of an unexpected Oconee Unit No. 1 forced outage. Coincidentally, on May 7, 1977, an unplanned shutdown of Unit No. 1 was required because of a leak in a steam generator. Unless the steam generator of Unit No. 1 is repaired in time for that unit

to return to power before May 22, 1977, either a limited extension on the inspection interval for the Oconee Unit No. 2 snubbers inspection would be required or there would be two of the three units down. The purpose of this safety evaluation is therefore to determine whether a delay in performance of the snubbers inspection will have a significant impact on the health and safety of the public.

Evaluation

During the initial inspection of the snubbers on Oconee Unit No. 2, 4 snubbers were found to be inoperable out of a total of 93. In accordance with the Oconee Technical Specifications, this required going to a tightened inspection program. Had no snubbers been found inoperable the licensee would have been permitted to go to a reduced inspection program wherein the next inspection would not have been required until 12 months + 3 months after December 20, 1976. Thus, a basis has been established for requiring more frequent inspections until the licensee demonstrates that appropriate corrective measures have been taken to improve the availability of operable snubbers. A very limited extension until June 4, 1977, which is still somewhat tightened inspection interval when compared to the initial inspection interval, is judged to be acceptable for this one time. This is two weeks less than requested but should be adequate. This extension represents only about a 9 percent increase in the inspection interval that would otherwise have been allowed by the Technical Specifications. Also, since only 4 snubbers out of a total of 93 were found to be inoperable on the initial inspection after no formal inspection requirements from installation during plant construction until December 1976, a period of over 3 years, there is reasonable assurance that the performance of the snubbers will not be compromised during the short extension period being considered.

We have also taken this opportunity, with the licensee's agreement, to add standard technical specification wording on maximum combined interval time.

Based on the above, the limited relaxation of the tightened inspection interval for Oconee Unit No. 2 to permit a delay until no later than June 4, 1977, to conduct the next inspection of the inaccessible snubbers is acceptable.

Environmental Consideration

We have determined that these 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 these 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 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.

Date: May 20, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

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

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment Nos. 40, 40, and 37 to Facility Operating License Nos. DPR-38, DPR-47, and DPR-55, respectively, issued to Duke Power Company which revised the Technical Specifications for operation of the Oconee Nuclear Station, Unit Nos. 1, 2 and 3, located in Oconee County, South Carolina. The amendments are effective as of the date of issuance.

These amendments revise paragraph 4.18.1 of the common Technical Specifications to provide a one time extension in the inspection interval for the shock suppressors (snubbers) for Oconee Unit No. 2 to not longer than June 4, 1977.

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.

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 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 May 6, 1977, (2) Amendment Nos. 40, 40 and 37 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, NW., Washington, D.C. and at the Oconee County Library, 201 South Spring Street, 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 20th day of May 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



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