

June 4, 1991

Docket Nos. 50-413  
and 50-414

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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 NO. 87 TO FACILITY OPERATING LICENSE NPF-35  
AND AMENDMENT NO. 81 TO FACILITY OPERATING LICENSE NPF-52 - CATAWBA  
NUCLEAR STATION, UNITS 1 AND 2 (TACS 79668, 79669)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 87 to Facility Operating License NPF-35 and Amendment No. 81 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Units 1 and 2. These amendments consist of changes to the licenses in response to your application dated February 5, 1991.

The amendments modify the operating licenses to allow an extension of time for resolution of the accumulator tank instrumentation issue.

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

Sincerely,

/s/

Robert E. Martin, Senior Project Manager  
Project Directorate II-3  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

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PDR ADDCK 05000413  
P PDR

Enclosures:

1. Amendment No. 87 to NPF-35
2. Amendment No. 81 to NPF-52
3. Safety Evaluation

cc w/enclosures:  
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S Newberry  
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D Matthews  
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DATED: June 4, 1991

AMENDMENT NO. 87 TO FACILITY OPERATING LICENSE NPF-35 - Catawba Nuclear Station, Unit 1  
AMENDMENT NO. 81 TO FACILITY OPERATING LICENSE NPF-52 - Catawba Nuclear Station, Unit 2

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555

June 4, 1991

Docket Nos. 50-413  
and 50-414

Mr. M.S. Tuckman  
Vice President -  
Nuclear Operations  
Duke Power Company  
P.O. Box 1007  
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Sincerely,

A handwritten signature in cursive script that reads "Robert E. Martin".

Robert E. Martin, Senior Project Manager  
Project Directorate II-3  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 87 to NPF-35
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3. Safety Evaluation

cc w/enclosures:  
See next page

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

DUKE POWER COMPANY

NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION

SALUDA RIVER ELECTRIC COOPERATIVE, INC.

DOCKET NO. 50-413

CATAWBA NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 87  
License No. NPF-35

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Catawba Nuclear Station, Unit 1 (the facility) Facility Operating License No. NPF-35 filed by the Duke Power Company, acting for itself, North Carolina Electric Membership Corporation and Saluda River Electric Cooperative, Inc. (licensees) dated February 5, 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 as 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 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.

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P PDR

2. Accordingly, paragraph 2.C(12)(a) of Facility Operating License No. NPF-35 is hereby amended to read as follows:

Regulatory Guide 1.97, Revision 2, Compliance (Section 7.5.2, SSER #4, SSER #5)

Prior to startup following the seventh refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation.

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

FOR THE NUCLEAR REGULATORY COMMISSION



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

Date of Issuance: June 4, 1991



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

DUKE POWER COMPANY  
NORTH CAROLINA MUNICIPAL POWER AGENCY NO. 1  
PIEDMONT MUNICIPAL POWER AGENCY  
DOCKET NO. 50-414  
CATAWBA NUCLEAR STATION, UNIT 2  
AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 81  
License No. NPF-52

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the Catawba Nuclear Station, Unit 2 (the facility) Facility Operating License No. NPF-52 filed by the Duke Power Company, acting for itself, North Carolina Municipal Power Agency No. 1 and Piedmont Municipal Power Agency (licensees) dated February 5, 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 as 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 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, paragraph 2.C(8)(a) of Facility Operating License No. NPF-52 is hereby amended to read as follows:

Regulatory Guide 1.97, Revision 2, Compliance (Section 7.5.2, SSER #4, SSER #5)

Prior to startup following the sixth refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation.

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

FOR THE NUCLEAR REGULATORY COMMISSION



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

Date of Issuance: June 4, 1991



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 87 TO FACILITY OPERATING LICENSE NPF-35  
AND AMENDMENT NO. 81 TO FACILITY OPERATING LICENSE NPF-52  
DUKE POWER COMPANY, ET AL.  
CATAWBA NUCLEAR STATION, UNITS 1 AND 2  
DOCKET NOS. 50-413 AND 50-414

1.0 INTRODUCTION

By letter dated February 5, 1991, Duke Power Company, et al., (the licensee) proposed that License Conditions 2.C.(12)(a) and 2.C.(8)(a) of Facility Operating Licenses NPF-35 and NPF-52, respectively, be amended to allow an extension of time for the resolution of the accumulator tank instrumentation issue. The extension would be for two complete cycles of operation.

A two operating cycle extension for Catawba Unit 1 was previously approved by Amendment 15, issued on October 6, 1986, and a further two cycle extension was approved by Amendment 55 issued on October 13, 1988, to Facility Operating License NPF-35. A one cycle extension for Catawba Unit 2 was approved by Amendment 27 issued on November 25, 1987, and a two cycle extension was approved by Amendment 48, issued on October 13, 1988, to Facility Operating License NPF-52.

2.0 EVALUATION

The proposed amendments would revise License Conditions 2.C.(12)(a) and 2.C.(8)(a) of the Catawba Units 1 and 2 licenses to allow an extension of time for the resolution of the accumulator tank instrumentation issue which is related to Generic Letter 82-33, "Supplement 1 to NUREG-0737, Requirements for Emergency Response Capability." It was also discussed in Section 7.5.2 of Supplement 5 to the Catawba Safety Evaluation Report (NUREG-0954) and is currently under staff review because of its generic implications.

The primary function of the accumulator pressure or level instrumentation is to monitor the pre-accident status of the accumulators to assure that the passive safety system is in a ready state to serve its safety function. The licensee stated that the accumulator tank level and pressure are not referenced in any emergency procedure covering design basis events which may cause a harsh environment. No operator actions in these procedures are based on accumulator indications. Therefore, the staff concludes that extension of the date for upgrading the accumulator pressure or level instrumentation until startup following the seventh refueling outage for Catawba Unit 1 and the sixth outage for Unit 2 is acceptable. Based on the above discussion, the modified License Conditions 2.C.(12)(a) of NPF-35 and 2.C.(8)(a) of NPF-52 would, respectively, state that:

"Prior to startup following the seventh refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation" and "Prior to startup following the sixth refueling outage, Duke Power Company shall provide qualified accumulator discharge instrumentation".

### 3.0 ENVIRONMENTAL CONSIDERATION

These amendments involve changes in requirements with respect to the installation or use of facility components located within the restricted area as defined in 10 CFR Part 20. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that the amendments involve no significant hazards consideration, and there has been no public comment on such finding. Accordingly, the amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

### 4.0 CONCLUSION

The Commission's proposed determination that the amendments involve no significant hazards consideration was published in the Federal Register (56 FR 20033) on May 1, 1991. The Commission consulted with the State of South Carolina. No public comments were received, and the State of South Carolina did not have any comments.

The staff has concluded, based on the consideration 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.

Principal Contributor: R. E. Martin, PDII-3/DRPE-I/II

Dated: June 4, 1991