

November 13, 1990

Docket Nos. 50-413  
and 50-414

Mr. H. B. Tucker, Vice President  
Nuclear Production Department  
Duke Power Company  
P.O. Box 1007  
Charlotte, North Carolina 28201-1007

Dear Mr. Tucker:

SUBJECT: ISSUANCE OF AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NPF-35  
AND AMENDMENT NO. 73 TO FACILITY OPERATING LICENSE NPF-52 - CATAWBA  
NUCLEAR STATION, UNITS 1 AND 2 (TACS 68993/68994)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 79 to Facility Operating License NPF-35 and Amendment No. 73 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Units 1 and 2. These amendments consist of changes to the Technical Specification (TSs) in response to your application dated March 11, 1988.

The amendments clarify TS Table 3.3-9 by adding the "Auxiliary Shutdown Control Panel(s)" as one of two available locations to read instrumentation for steam generator pressure, steam generator level, and auxiliary feedwater flow rates, and correcting the name of the "Auxiliary Feedwater Pump Turbine Control Panels."

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

Sincerely,

Original signed by:

Kahtan N. Jabbour, Project Manager  
Project Directorate II-3  
Division of Reactor Projects I/II  
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 79 to NPF-35
- 2. Amendment No. 73 to NPF-52
- 3. Safety Evaluation

cc w/enclosures:  
See next page

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DATED: November 13, 1990

AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NPF-35 - Catawba Nuclear Station, Unit 1  
AMENDMENT NO. 73 TO FACILITY OPERATING LICENSE NPF-52 - Catawba Nuclear Station, Unit 2

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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. 79  
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 March 11, 1988, 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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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 2.C.(2) of Facility Operating License No. NPF-35 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 79 , and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. Duke Power Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

Attachment:  
Technical Specification Changes

Date of Issuance: November 13, 1990



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. 73  
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 March 11, 1988, 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.

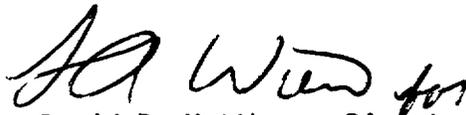
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-52 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 73 , and the Environmental Protection Plan contained in Appendix B, both of which are attached hereto, are hereby incorporated into this license. Duke Power Company shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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

Attachment:  
Technical Specification Changes

Date of Issuance: November 13, 1990

ATTACHMENT TO LICENSE AMENDMENT NO. 79

FACILITY OPERATING LICENSE NO. NPF-35

DOCKET NO. 50-413

AND

TO LICENSE AMENDMENT NO. 73

FACILITY OPERATING LICENSE NO. NPF-52

DOCKET NO. 50-414

Replace the following pages of the Appendix "A" Technical Specifications with the enclosed pages. The revised page is identified by Amendment number and contains a vertical line indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

Amended Page

3/4 3-63

Overleaf Page

3/4 3-64

TABLE 3.3-9

REMOTE SHUTDOWN MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>READOUT LOCATION</u>	<u>TOTAL NO. OF CHANNELS</u>	<u>MINIMUM CHANNELS OPERABLE</u>
1. Reactor Trip Breaker Indication	Reactor Trip Switchgear	1/trip breaker	1/trip breaker
2. Reactor Coolant Loop A&B Hot Leg Temperature	Auxiliary Shutdown Control Panel	2	1*
3. Reactor Coolant Loop A&B Cold Leg Temperature	Auxiliary Shutdown Control Panel	2	1*
4. Pressurizer Pressure	Auxiliary Shutdown Control Panel	2	1
5. Pressurizer Level	Auxiliary Shutdown Control Panel	2	1
6. Steam Generator Pressure	Auxiliary Shutdown Control Panel(s) or Auxiliary Feedwater Pump Turbine Control Panels	1/steam generator	1/steam generator
7. Steam Generator Level	Auxiliary Shutdown Control Panel(s) or Auxiliary Feedwater Pump Turbine Control Panels	1/steam generator	1/steam generator
8. Auxiliary Feedwater Flow Rate	Auxiliary Shutdown Control Panel(s) or Auxiliary Feedwater Pump Turbine Control Panels	1/steam generator	1/steam generator

\*Channel required to be OPERABLE during operation from remote shutdown panel.

CATAMBA - UNITS 1 &amp; 2

3/4 3-63

Amendment No. 79 (Unit 1)  
Amendment No. 73 (Unit 2)

TABLE 4.3-6

REMOTE SHUTDOWN MONITORING INSTRUMENTATION  
SURVEILLANCE REQUIREMENTS

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Reactor Trip Breaker Indication	M	N. A.
2. Reactor Coolant Loop A&B Hot Leg Temperature	M	R
3. Reactor Coolant Loop A&B Cold Leg Temperature	M	R
4. Pressurizer Pressure	M	R
5. Pressurizer Level	M	R
6. Steam Generator Pressure	M	R
7. Steam Generator Level	M	R
8. Auxiliary Feedwater Flow Rate	M	R

CATAMBA - UNITS 1 & 2

3/4 3-64



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 79 TO FACILITY OPERATING LICENSE NPF-35  
AND AMENDMENT NO. 73 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 March 11, 1988, Duke Power Company, et al. (the licensee) proposed amendments to the operating licenses for Catawba Nuclear Station, Units 1 and 2, which would revise Items 6, 7, and 8 of Technical Specification (TS) Table 3.3-9, "Remote Shutdown Monitoring Instrumentation." The proposed revision would: (1) supplement these three items by adding the "Auxiliary Shutdown Control Panel(s)" readout location for the steam generator pressure, steam generator level, and auxiliary feedwater flow rate, and (2) correct the name of the other readout location from "Auxiliary Feedwater Pump Motor Control Panels A and B," to "Auxiliary Feedwater Pump Turbine Control Panels."

2.0 EVALUATION

The proposed changes to Items 6, 7, and 8 of TS Table 3.3-9 are intended to clarify that there are two readout locations for steam generator pressure, steam generator level, and auxiliary feedwater flow rate. One location is at the Auxiliary Shutdown Control Panel(s) and the other is at the Auxiliary Feedwater Pump Turbine Control Panels.

The revision to the readout locations would reflect the as-built plant configuration and the design description in the Final Safety Analysis Report (FSAR) Sections 7.4.7.1 and Tables 7.4.7-1, -2, and -3.

The pressure, level and flow rate readouts at each of the two separate locations are supplied from the same pressure, level and flow rate sensors. Therefore, both readout locations should be listed in the table. The correction of the name of the "Auxiliary Feedwater Pump Turbine Control Panels" is of an editorial nature.

Based on its review, the NRC staff finds that the licensee's proposed changes have no adverse impact on safety and are, therefore, acceptable.

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### 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 and changes in surveillance requirements. 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 (54 FR 29405) on July 12, 1989. 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.

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.

Principal Contributors: K. Jabbour, PDII-3/DRP-I/II

Dated: November 13, 1990