

January 12, 1993

Docket Nos. 50-413  
and 50-414

Distribution  
See next page

Mr. M. S. Tuckman  
Vice President, Catawba Site  
Duke Power Company  
4800 Concord Road  
York, South Carolina 29745

Dear Mr. Tuckman:

SUBJECT: ISSUANCE OF AMENDMENTS - CATAWBA NUCLEAR STATION, UNITS 1 AND 2  
(TAC NOS. M84329 AND M84330)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 105 to Facility Operating License NPF-35 and Amendment No. 99 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Units 1 and 2. The amendments consist of changes to the Technical Specifications (TSs) in response to your application dated July 27, 1992.

The amendments revise the minimum channels operable requirement of TS Table 3.3-10, Item 17, Steam Relief Valve Exhaust Radiation Monitor from "1" to "1/Steam Line."

A copy of the related Safety Evaluation is also enclosed. A Notice of Issuance 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

Enclosures:

1. Amendment No. 105 to NPF-35
2. Amendment No. 99 to NPF-52
3. Safety Evaluation

cc w/enclosures:  
See next page

OFC : PDII-3/LA : PDII-3/PM : OGC : BC:ICSB : PDII-3/D

NAME : LBERRY : RMARTIN : cw : SNEWBERRY : DMATTHEWS :

DATE : 12/10/92 : 12/10/92 : 1/9/93 : 12/20/92 : 1/12/93 :

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

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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

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cc w/enclosures:  
See next page

Mr. M. S. Tuckman  
Duke Power Company

Catawba Nuclear Station

cc:

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DATED: January 12, 1993

- AMENDMENT NO. 105 TO FACILITY OPERATING LICENSE NPF-35 - Catawba Nuclear Station, Unit 1
- AMENDMENT NO. 99 TO FACILITY OPERATING LICENSE NPF-52 - Catawba Nuclear Station, Unit 2

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| G. Hill (8)  | P1-22     |
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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. 105  
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 July 27, 1992 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-35 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 105, 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: January 12, 1993



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. 99  
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 July 27, 1992 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. 99 , 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: January 12, 1993



ATTACHMENT TO LICENSE AMENDMENT NO. 105

FACILITY OPERATING LICENSE NO. NPF-35

DOCKET NO. 50-413

AND

TO LICENSE AMENDMENT NO. 99

FACILITY OPERATING LICENSE NO. NPF-52

DOCKET NO. 50-414

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

Remove Page

3/4 3-67

Insert Page

3/4 3-67

TABLE 3.3-10 (Continued)  
ACCIDENT MONITORING INSTRUMENTATION

| <u>INSTRUMENT</u>  | <u>TOTAL<br/>NO. OF<br/>CHANNELS</u> | <u>MINIMUM<br/>CHANNELS<br/>OPERABLE</u> |
|--|--------------------------------------|--|
| 15. In Core Thermocouples  | 4/core quadrant                      | 2/core quadrant                          |
| 16. Unit Vent - High-High Range Area Monitor (EMF-54)  | N.A.                                 | 1  |
| 17. Steam Relief Valve Exhaust Radiation Monitor (1EMF-26, 27, 28 and 29 and 2EMF-10, 11, 12 and 13) | N.A.                                 | 1/Steam Line                             |
| 18. Containment Area - High Range Radiation Monitor (EMF-53 A or B)                                  | N.A.                                 | 1  |
| 19. Reactor Vessel Water Level   | 2                                    | 1  |
| 20. Reactor Coolant Radiation Level (EMF-48)   | N.A.                                 | 1  |

TABLE NOTATIONS

- \* Not applicable if the associated block valve is in the closed position.
- \*\* Not applicable if the associated block valve is in the closed position and power is removed.



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION  
RELATED TO AMENDMENT NO. 105 TO FACILITY OPERATING LICENSE NPF-35  
AND AMENDMENT NO. 99 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 July 27, 1992, the Duke Power Company, et al. (the licensee), submitted a request for changes to the Catawba Nuclear Station, Units 1 and 2, Technical Specifications (TS). The requested changes revise the minimum channels operable requirement of TS Table 3.3-10, Item 17, Steam Relief Valve Exhaust Radiation Monitors, from one to one per each of the four steam lines.

2.0 EVALUATION

As noted in the application, an area radiation monitor is located adjacent to each of the four main steam lines (MSL) upstream of the main steam isolation valves, to detect secondary radiation releases. The previously existing TS required that a minimum of one channel of these monitors must be operable. The licensee has previously relied on the steam generator water sample monitor (EMF-34) as a backup for the MSL monitors. However, due to continuous operability problems cited by the licensee with EMF-34, its design basis is being changed. This also results in removal of the backup function provided by EMF-34 to the MSL monitors.

In response, the licensee proposes to change the TS such that all four MSL monitors are subject to the minimum operable channels requirement. This change is (1) more conservative than the previous TS requirement, (2) consistent with the licensee's commitment made in response to Regulatory Guide 1.97 in Table 1-11 of the Final Safety Analysis Report, and (3) consistent with the standard technical specifications for Westinghouse reactors. Based on the above, the staff finds the change from requiring one MSL monitor to be operable to requiring one for each of the four steam lines to be operable is 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 change requirements with respect to installation or use of a facility component located within the restricted area as defined in 10 CFR Part 20. The NRC 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 (57 FR 58245, dated December 9, 1992). 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 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 Contributor: Robert E. Martin

Date: January 12, 1993