

June 12, 1996

See Tech Specs.

Mr. William R. McCollum
Site Vice President
Catawba Nuclear Station
Duke Power Company
4800 Concord Road
York, South Carolina 29745-9635

Distribution
Docket File ACRS T-2 E26
PUBLIC OGC
PDII-2 RF G.Hill(4)
S.Varga E. Merschoff, RII
C.Grimes R. Crlenjak, RII

SUBJECT: ISSUANCE OF AMENDMENTS - CATAWBA NUCLEAR STATION, UNITS 1 AND 2
(TAC NOS. M89942 AND M89943)

Dear Mr. McCollum:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 148 to Facility Operating License NPF-35 and Amendment No. 142 to Facility Operating License NPF-52 for the Catawba Nuclear Station, Units 1 and 2. The amendments consist of changes to the Technical Specifications (TS) in response to your application dated July 18, 1994, as supplemented by letters dated October 9, 1995 and June 6, 1996.

The amendments revise the current combined TS for Units 1 and 2 by separating them into individual volumes for Unit 1 and Unit 2. In addition to the changes required by the TS split, some administrative and editorial changes were made, such as the correction of typographical errors and the deletion of unnecessary blank pages.

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,
Original signed by

Peter S. Tam, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

- Enclosures: 1. Amendment No. 148 to NPF-35
- 2. Amendment No. 142 to NPF-52
- 3. Safety Evaluation

cc w/encls: See next page

DOCUMENT NAME: G:\CATAWBA\CAT89942.AMD *See previous concurrence

OFFICE	DRPE/PD22/LA	DRPE/PD22/PM	DRPA/D22/PE	OGC	DRPE/PD22/D
NAME	L.BERRY*	PTAM:cn*	SKIRSLIS*	CMARCO*	H.BERKOW*
DATE	5/14 /96	5/14 /96 <i>PST</i>	5/14 /96	5/17 /96	5/20 /96
COPY	YES NO	YES NO	YES NO	YES NO	YES NO

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

June 12, 1996

Mr. William R. McCollum
Site Vice President
Catawba Nuclear Station
Duke Power Company
4800 Concord Road
York, South Carolina 29745-9635

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Sincerely,

A handwritten signature in cursive script that reads "Peter S. Tam".

Peter S. Tam, Senior Project Manager
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-413 and 50-414

Enclosures: 1. Amendment No. 148 to NPF-35
2. Amendment No. 142 to NPF-52
3. Safety Evaluation

cc w/encls: See next page

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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. 148
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 18, 1994, as supplemented by letters dated October 9, 1995 and June 6, 1996, 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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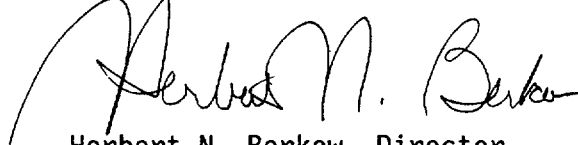
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-35 is hereby amended to read as follows:

Technical Specifications and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 148 , 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 and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: June 12, 1996



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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. 142
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 18, 1994, as supplemented by letters dated October 9, 1995 and June 6, 1996, 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 and Environmental Protection Plan

The Technical Specifications contained in Appendix A, as revised through Amendment No. 142 , 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 and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Technical Specification
Changes

Date of Issuance: June 12, 1996

ATTACHMENT TO LICENSE AMENDMENT NO. 148

FACILITY OPERATING LICENSE NO. NPF-35

DOCKET NO. 50-413

AND

TO LICENSE AMENDMENT NO. 142

FACILITY OPERATING LICENSE NO. NPF-52

DOCKET NO. 50-414

Replace the combined Appendix "A" Technical Specifications (TS) for Units 1 and 2 with the enclosed separated TS volumes for Unit 1 and Unit 2.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 148 TO FACILITY OPERATING LICENSE NPF-35
AND AMENDMENT NO. 142 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 18 1994, as supplemented by letters dated October 9, 1995 and June 6, 1996, Duke Power Company (DPC), the licensee, submitted a request for changes to the Catawba Nuclear Station, Units 1 and 2, Technical Specifications (TS). The requested changes would split the combined Unit 1 and Unit 2 TS into separate Unit 1 and Unit 2 TS volumes. The October 9, 1995 and June 6, 1996, letters provided clarifying information that did not change the scope of the July 18, 1994, application and the initial proposed no significant hazards consideration determination (59 FR 47166, September 14, 1994).

Each specification in the current combined TS applies both to Unit 1 and Unit 2. Where there are unit-specific differences between the requirements or parameters for Unit 1 and Unit 2, the differences are noted in the current TS either in the text of the specification, in the figure captions, or in the notations and footnotes to the tables. In the proposed separate TS volumes for Unit 1 and Unit 2, the specifications are identical where there are no unit-specific differences. Where there are differences, the requirements and parameters for Unit 1 and Unit 2 are specified in the individual volumes.

Separating the TS into volumes for Unit 1 and Unit 2 results in changes brought about by the actual splitting of the TS. These changes are considered to be administrative. Further, in making these changes, the licensee has also requested other editorial or administrative changes that include:

- (a) incorporating license amendments that have been previously approved subsequent to the July 18, 1994, application;
- (b) renumbering pages and deleting pages that were intentionally left blank;
- (c) deleting outdated footnotes; and
- (d) separating tables and figures specific to each unit and associated notations.

2.0 EVALUATION

2.1 Administrative Changes

- Specific to splitting TS into separate volumes -

There are changes that result solely from splitting the existing TS into separate Unit 1 and Unit 2 volumes. Where there are unit-specific differences in operating requirements and parameters, they are reflected in the text, figures, and tables of the individual TS volumes. Example:

TS 2.1.1, Reactor Core, on current page 2-1 references two separate figures for Unit 1 and Unit 2 for "Reactor Core Safety Limits - Four Loops in Operation." The figures will be relocated to the unit-specific volumes.

The actual figures found in the current combined volume are denoted as Figure 2.1-1a for Unit 1 and Figure 2.1-1b for Unit 2. The figures will be renumbered and shown as Figure 2.1-1 for each unit with the "Unit 1 (or 2) Only" reference at the top of each figure removed. The resulting text for the proposed technical specification split on proposed page 2-1 will be corrected to read as follows in each volume for Unit 1 and Unit 2:

2.1.1 The combination of THERMAL POWER, pressurizer pressure, and the highest operating loop coolant temperature (T_{avg}) shall not exceed the limits shown in Figure 2.1-1 for four loop operation.

This type of change that is associated with the TS split is administrative in nature and is found to be acceptable.

- Updating the licensee's July 18, 1994, application -

Subsequent to the licensee's July 18, 1994, application the staff has issued a number of amendments. For example, on May 13, 1996, Amendments 144 (for Unit 1) and 138 (for Unit 2) revises the TS to specify that the containment Type A leak testing will follow Option B of the revised Appendix J of 10 CFR 50. The current action will thus incorporate verbatim all the changes conveyed by amendments issued after July 18, 1994, and before the date of this safety evaluation. This type of change is administrative in nature and is acceptable.

- Deleting outdated footnotes -

Some requirements were included for one-time or time-dependent actions, such as during a specific fuel cycle. For example, page 3/4 7-42 has a footnote that says:

*The CHANNEL CALIBRATION requirement of this surveillance need not be performed for level transmitter 1 CFLT5632 until prior to entering HOT STANDBY following the Unit 1 first refueling.

Unit 1 refueling, and therefore its second fuel cycle, occurred years ago, and this footnote is obsolete.

This deletion of obsolete footnotes is administrative in nature and is acceptable.

2.2 Editorial Changes

- Renumbering of pages -

Certain TS pages were intentionally left blank, TS sections were vacated by previous amendments, and/or page numbers had an "a," "b," or "c" designation. For example, Amendment Nos. 132/126 were issued on July 24, 1995, to relocate the requirements for the seismic and meteorological instrumentation and loose parts detection system to the Selected Licensee Commitment (SLC) Manual (Chapter 16 of the FSAR) led to vacated sections on pages B 3/4 3-4 and B 3/4 3-5.

The renumbering of pages in the separate TS is editorial in nature and is acceptable.

- Rewording -

Certain sections of the TS were revised to make wording/explanations consistent and/or clearer throughout the text and to correct typographical errors. For example, TS 3.6.4.3, Hydrogen Mitigation System, on current page 3/4 6-40 reads:

ACTION:

With one train of the Hydrogen Mitigation System inoperable, restore the inoperable system to OPERABLE status within 7 days or *increase* the surveillance interval from of Specification 4.6.3.a from 92 days to 7 days on the OPERABLE train until the inoperable train is returned to OPERABLE status.

The phrase "increase the surveillance interval ... from 92 days to 7 days" is grammatically incorrect. The phrase "from 92 days to 7 days" establishes an increase in the frequency of the surveillance, i.e. a decrease in the interval of the surveillance. Since this is a decrease in the interval of the surveillance, this specification is edited for clarity to appear in both unit-specific volumes as follows:

ACTION:

With one train of the Hydrogen Mitigation System inoperable, restore the inoperable system to OPERABLE status within 7 days or decrease the surveillance interval of Specification 4.6.3.a from 92 days to 7 days on the OPERABLE train until the inoperable train is returned to OPERABLE status.

This type of change is editorial in nature and is acceptable.

The licensee provided a summary of all proposed changes to the TS and associated Bases in both the July 18, 1994, and October 9, 1995, submittals. The summary included editorial and administrative changes, and changes due to TS amendments issued since the original amendment request dated July 18, 1994. For the reasons stated above, the staff finds the TS changes described in the July 18, 1994, and October 9, 1995, submittals, acceptable. The corresponding separation of the TS into individual volumes for Unit 1 and Unit 2 is therefore also 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 facility components located within the restricted area as defined in 10 CFR Part 20. The NRC staff has determined that the amendment involves 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 staff has previously issued a proposed finding that the amendment involves no significant hazards consideration, and there has been no public comment on such finding (59 FR 47166, September 14, 1994). 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 amendment.

5.0 CONCLUSION

The staff focussed its review principally on the changes described in the licensee's July 18, 1994 and October 9, 1995, submittals. As discussed above, the staff finds these changes acceptable. The licensee has not explicitly proposed, nor has the staff explicitly accepted, any new technical changes to the TS. The staff recognizes that since the entire combined TS is to be replaced by two completely retyped separate documents, the likelihood of inadvertent errors that bypassed the staff's review exists. All such inadvertent errors will have to be corrected by future amendments.

The staff 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 amendment will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Stanley. S. Kirslis

Date: June 12, 1996