

March 21, 1996

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Docket File

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SUBJECT: ISSUANCE OF AMENDMENTS - MCGUIRE NUCLEAR STATION, UNITS 1 AND 2 <sup>see</sup> Amendments  
(TAC NOS. M89947 AND M89948) <sub>To DL</sub>

Dear Mr. McMeekin:

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 166 to Facility Operating License NPF-9 and Amendment No. 148 to Facility Operating License NPF-17 for the McGuire 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, February 13 and March 8, 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,

/s/

Victor Nerses, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-369 and 50-370

Enclosures:

1. Amendment No. 166 to NPF-9
2. Amendment No. 148 to NPF-17
3. Safety Evaluation

cc w/encl: See next page

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UNITED STATES  
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

March 21, 1996

Mr. T. C. McMeekin  
Vice President, McGuire Site  
Duke Power Company  
12700 Hagers Ferry Road  
Huntersville, NC 28078-8985

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(TAC NOS. M89947 AND M89948)

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Sincerely,

A handwritten signature in cursive script that reads "Victor Nerses".

Victor Nerses, Senior Project Manager  
Project Directorate II-2  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket Nos. 50-369 and 50-370

Enclosures: 1. Amendment No. 166 to NPF-9  
2. Amendment No. 148 to NPF-17  
3. Safety Evaluation

cc w/encls: See next page

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Duke Power Company

McGuire Nuclear Station

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

DUKE POWER COMPANY

DOCKET NO. 50-369

McGUIRE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 166  
License No. NPF-9

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the McGuire Nuclear Station, Unit 1 (the facility), Facility Operating License No. NPF-9 filed by the Duke Power Company (licensee) dated July 18, 1994, as supplemented by letters dated October 9, 1995, February 13 and March 8, 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.

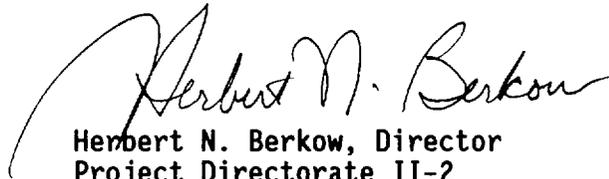
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-9 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 166 , are hereby incorporated into this license. The licensee 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: March 21, 1996



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

DUKE POWER COMPANY

DOCKET NO. 50-370

McGUIRE NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 148  
License No. NPF-17

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment to the McGuire Nuclear Station, Unit 2 (the facility), Facility Operating License No. NPF-17 filed by the Duke Power Company (licensee) dated July 18, 1994, as supplemented by letters dated October 9, 1995, February 13 and March 8, 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.

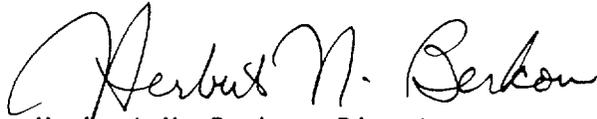
2. Accordingly, the license is hereby amended by page changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 2.C.(2) of Facility Operating License No. NPF-17 is hereby amended to read as follows:

Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 148, are hereby incorporated into this license. The licensee 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: March 21, 1996

ATTACHMENT TO LICENSE AMENDMENT NO. 166

FACILITY OPERATING LICENSE NO. NPF-9

DOCKET NO. 50-369

AND

TO LICENSE AMENDMENT NO. 148

FACILITY OPERATING LICENSE NO. NPF-17

DOCKET NO. 50-370

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. 166 TO FACILITY OPERATING LICENSE NPF-9  
AND AMENDMENT NO. 148 TO FACILITY OPERATING LICENSE NPF-17  
DUKE POWER COMPANY  
MCGUIRE NUCLEAR STATION, UNITS 1 AND 2  
DOCKET NOS. 50-369 AND 50-370

1.0 INTRODUCTION

By letter dated July 18, 1994, as supplemented by letters dated October 9, 1995, February 13 and March 8, 1996, Duke Power Company (DPC or the licensee) proposed license amendments to change the McGuire Nuclear Station, Units 1 and 2, Technical Specifications (TS). The requested change consists of splitting the combined Unit 1 and Unit 2 TS into separate volumes for each unit. The licensee had decided that splitting the combined Unit 1 and Unit 2 TS would facilitate reactor operator actions during and after steam generator (SG) replacement. Unit 1 is scheduled to replace its SGs in early 1997 and Unit 2 is scheduled for late 1997. The October 9, 1995, February 13 and March 8, 1996, letters provided clarifying information that did not change the July 18, 1994, application and initial proposed no significant hazards consideration determination.

Separating the TS into volumes for each unit will result in the following:

- a. TS pages will contain the same information as before but with the exception of references to the different units on the same page (i.e., different operating parameters, setpoints, or numerical explanation for each unit). Unit 1 volume will contain parameters and setpoint values specific to Unit 1 and Unit 2 volume will contain applicable information to Unit 2.
- b. TS pages identifying specific information on each unit (e.g., heatup/cool-down curves) will be found in the unit-specific volume which they are defining.
- c. TS Limiting Condition for Operation Section 3.0.5 and TS Surveillance Requirement Section 4.0.6 will be deleted since each unit's specifications (as stated in a. above) will be located in a separate volume; no statements will be necessary to indicate differences in parameters between units.

These changes are considered to be administrative. The licensee also identified other administrative changes and editorial changes in addition to those brought about by the actual TS split. These changes 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 -

These changes pertain to deleting paragraphs, sentences, words, tables, and figures in the existing TS that currently group Unit 1 and Unit 2 items together. Example:

The Limiting Condition for Operation and Surveillance Requirements for the Pressure/Temperature limits list four figures for the heatup and cooldown curves. Figure 3.4-2 and 3.4-4 on current TS pages 3/4 4-31 and 3/4 4-33 are applicable to Unit 1 only. Figures 3.4-3 and 3.4-5 on current TS pages 3/4 4-32 and 3/4 4-34 are applicable to Unit 2 only. These figures will be renumbered as Figure 3.4-2 and Figure 3.4-3 on proposed pages 3/4 4-30 and 3/4 4-31 and located in the unit-specific volume to which they apply. The index pages will also reflect the corrected figure number. The text notations will indicate the same.

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 -

The updates incorporate those amendments that have been issued since the submittal of the original application. Example:

Subsequent to the original submittal on July 18, 1994, of the proposed TS split, Amendment Nos. 153 and 135 were issued on January 12, 1995, which revised Table 2.2-1 on page 2-4. Therefore, proposed page 2-4 was submitted by supplemental letter dated October 9, 1995, to reflect the currently issued TS for Unit 1 and Unit 2.

This type of change is administrative in nature and is found to be acceptable.

- Deleting outdated footnotes -

These footnotes were included for a one-time action during an operating cycle that has since been completed. Example:

The existing TS page 3/4 3-45, Incore Detection System (Section 3.3.3.2) contains two footnotes that have expired. Both footnotes concern McGuire, Unit 1, Cycle 7. Since McGuire, Unit 1 is currently in Cycle 10, these two footnotes are outdated and are proposed to be removed.

This type of change is administrative in nature and is found to be acceptable.

## 2.2 Editorial Changes

- Renumbering of pages -

This resulted in deleting TS pages that were intentionally left blank and/or pages that had an "a," "b," or "c" designation. Example:

Amendments 156/138 and 158/140 created intentionally blank pages when the specifications were relocated to the Selected Licensee Commitment Manual. Current pages 3/4 3-46 through 3/4 3-51, 3/4 3-78 and 3/4 3-79 are blank and considered extraneous. Since the proposed changes to the TS will result in two unit-specific volumes and require a re-issue of the entire TS, the extraneous pages are removed.

This type of change is editorial in nature and is found to be acceptable.

- Rewording -

Certain sections of the TS were revised to make wording/explanations consistent and/or clearer throughout the text. Example:

Table 4.7-2, "Snubber Visual Inspection Interval," Note 4 on TS page 3/4 7-18b reads:

"Note 4: If the number of unacceptable snubbers is equal to or less than the Column B but greater than the number in Column A, the next inspection shall be the same as the previous interval."

For clarity and consistency to a similar note description found in Note 5 on the same page, the phrase "the Column B" will be changed to "the number in Column B." Therefore, Note 4 on proposed page 3/4 7-20 will be changed to read:

"Note 4: If the number of unacceptable snubbers is equal to or less than the number in Column B but greater than the number in Column A, the next inspection shall be the same as the previous interval."

This type of change is editorial in nature and is found to be acceptable.

### 3.0 STAFF CONCLUSION

The licensee provided a summary of all proposed changes to the TS and associated Bases in their 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 licensee's submittals, acceptable. The corresponding separation of the TS into individual volumes for Unit 1 and Unit 2 is therefore also acceptable.

### 4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the North Carolina State official was notified of the proposed issuance of the amendments. The State official had no comments.

### 5.0 ENVIRONMENTAL CONSIDERATION

Pursuant to 10 CFR 51.21, 51.32, and 51.35, an Environmental Assessment and Finding of No Significant Impact was published in the Federal Register on February 14, 1996 (61 FR 5808).

Accordingly, based on the Environmental Assessment, the Commission has determined that issuance of the amendments will not have a significant effect on the quality or the human environment.

### 6.0 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 Contributors: S. S. Kirsliis  
V. Nerses

Date: March 21, 1996