

May 11, 1994

Docket Nos. 50-369  
and 50-370

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

Distribution

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NRC/Local PDRs  
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G.Hill(4) P1-37  
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ACRS(10) P-135  
PA 17F2  
OC/LFMB MNB4702  
J.Johnson(A),RII

Dear Mr. McMeekin:

SUBJECT: ISSUANCE OF AMENDMENTS - McGUIRE NUCLEAR STATION, UNITS 1 AND 2  
(TAC NOS. M86732 AND M86733)

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 142 to Facility Operating License NPF-9 and Amendment No. 124 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 May 6, 1993.

The amendments correct an error in TS Table 3.3-2 that was made with License Amendments 128 and 110.

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:**

Victor Nerses, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

**Enclosures:**

1. Amendment No. 142 to NPF-9
2. Amendment No. 124 to NPF-17
3. Safety Evaluation

cc w/enclosures:  
See next page

OFFICE	PDII-3/LA	PDII-3/PM	OGC	PDII-3/D	
NAME	L. BERRY	V. NERSES	R. Bachmann	D. MATTHEWS	
DATE	5/19/94	5/20/94	5/11/94	5/11/94	

OFFICIAL RECORD COPY

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

May 11, 1994

Docket Nos. 50-369  
and 50-370

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

Dear Mr. McMeekin:

SUBJECT: ISSUANCE OF AMENDMENTS - McGUIRE NUCLEAR STATION, UNITS 1 AND 2  
(TAC NOS. M86732 AND M86819)

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The amendments correct an error in TS Table 3.3-2 that was made with License Amendments 128 and 110.

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,

A handwritten signature in cursive script, reading "Victor Nerses", is written over the typed name.

Victor Nerses, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 142 to NPF-9
2. Amendment No. 124 to NPF-17
3. Safety Evaluation

cc w/enclosures:  
See next page

Mr. T. C. McMeekin  
Duke Power Company

McGuire Nuclear Station

cc:

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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. 142  
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 May 6, 1993, 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. 142, 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.

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: May 11, 1994



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. 124  
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 1 (the facility), Facility Operating License No. NPF-17 filed by the Duke Power Company (licensee) dated May 6, 1993, 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. 124 , 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.

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: May 11, 1994

ATTACHMENT TO LICENSE AMENDMENT NO. 142

FACILITY OPERATING LICENSE NO. NPF-9

DOCKET NO. 50-369

AND

TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. NPF-17

DOCKET NO. 50-370

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 3-10

Insert Page

3/4 3-10



TABLE 3.3-2 (Continued)

REACTOR TRIP SYSTEM INSTRUMENTATION RESPONSE TIMES

<u>FUNCTIONAL UNIT</u>	<u>RESPONSE TIME</u>
11. Low Reactor Coolant Flow	
a. Single Loop (Above P-8)	≤ 1.0 second
b. Two Loops (Above P-7 and below P-8)	≤ 1.0 second
12. Steam Generator Water Level--Low-Low	≤ 3.5 seconds
13. Undervoltage-Reactor Coolant Pumps	< 1.5 seconds
14. Underfrequency-Reactor Coolant Pumps	< 0.6 second
15. Turbine Trip	
a. Low Fluid Oil Pressure	N.A.
b. Turbine Stop Valve Closure	N.A.
16. Safety Injection Input from ESF	N.A.
17. Reactor Trip System Interlocks	N.A.
18. Reactor Trip Breakers	N.A.
19. Automatic Trip and Interlock Logic	N.A.

MCGUIRE - UNITS 1 AND 2

3/4 3-10

Amendment No. 142  
Amendment No. 124  
(Unit 1)  
(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. 142 TO FACILITY OPERATING LICENSE NPF-9  
AND AMENDMENT NO. 124 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 May 6, 1993, 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 change would correct an error in TS Table 3.3-2 that was made with License Amendments 128 and 110.

2.0 EVALUATION

On March 22, 1985, the NRC issued Amendments 42 and 23 to Facility Operating Licenses NPF-9 and NPF-17 for the McGuire Nuclear Station, Units 1 and 2, respectively. The amendments revised the TS to reflect the transition to use optimized fuel assemblies. In Table 3.3-2 of the TS, the response time for the Steam Generator Water Level--Low-Low reactor trip was changed from  $\leq 2$  seconds to  $\leq 2.0$  seconds for Unit 1 and 3.5 seconds for Unit 2.

On May 15, 1985, the NRC issued Amendments 43 and 24 to change the McGuire Units 1 and 2 TS to reflect the second of several stages involved in continuing transition to use optimized fuel assemblies. In Table 3.3-2 the Steam Generator Water Level--Low-Low response time was revised from  $\leq 2.0$  seconds for Unit 1 and 3.5 seconds for Unit 2 to  $\leq 3.5$  seconds for both units.

The response time remained as  $\leq 3.5$  seconds until Amendments 128 and 110, issued on November 27, 1991, for the McGuire Unit 1, Cycle 8 reload. Among other changes associated with the reload, the only change to TS Table 3.3-2 was the deletion of the Power Range Neutron Flex Negative Rate Trip. The deletion of this trip caused the renumbering of the rest of the trips in Table 3.3-2. Page 2 of Table 3.3-2 was renumbered accordingly, but the response time for the Steam Generator Water Level--Low-Low was inadvertently changed back to  $\leq 2.0$  seconds for Unit 1 and 3.5 seconds for Unit 2. This change had not been requested nor detected during review of Amendments 128 and 110 by the licensee.

The NRC issued Amendments 130 and 112 that changed the TS to reflect the reload of McGuire Unit 2, Cycle 8 with B&W fuel. The change made the McGuire Unit 2 TS identical with Unit 1, as approved in Amendments 128 and 110. The previous error on page 2 of Table 3.3-2 was not noticed by the licensee or the NRC staff.

The licensee has requested that the Steam Generator Water Level--Low-Low response time be changed to  $\leq 3.5$  seconds since this change had already been approved in Amendments 43 and 24. The NRC staff has reviewed the licensee's submittal and concludes that the requested change is administrative in nature in that it restores the response time back to  $\leq 3.5$  seconds as previously approved. Therefore, this change is acceptable.

### 3.0 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.

### 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 effluent 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 (58 FR 41503 dated August 4, 1993). 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: V. Nerses

Date: **May 11, 1994**