

October 6, 1983

Docket Nos: 50-369
and 50-370

Mr. H. B. Tucker, Vice President
Nuclear Production Department
Duke Power Company
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: Issuance of Amendment No. 24 to Facility Operating License
NPF-9 and Amendment No. 5 to Facility Operating License
NPF-17 - McGuire Nuclear Station, Units 1 and 2

The Nuclear Regulatory Commission has issued the enclosed Amendment No. 24 to Facility Operating License NPF-9 and Amendment No. 5 to Facility Operating License NPF-17 for the McGuire Nuclear Station, Units 1 and 2. These amendments consist of changes to the Technical Specifications in response to your application telecopied to us on September 2, 1983. The amendments were authorized by telephone on September 2, 1983, and were confirmed by letter dated September 7, 1983.

The amendments authorize, through 11:59 p.m. September 7, 1983, maintaining hot standby conditions without proceeding to cold shutdown for Unit 1. The amendments were issued on an expedited basis to prevent plant shutdown for an additional 36 hours with no increase in safety.

A copy of the related safety evaluation report supporting Amendment No. 24 to Facility Operating License NPF-9 and Amendment No. 5 to Facility Operating License NPF-17 is enclosed.

Sincerely,

5/
Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing

Enclosures:

1. Amendment No. 24 to NPF-9
2. Amendment No. 5 to NPF-17
3. Safety Evaluation

cc w/encl:
See next page

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PDR ADCCK 05000369
P PDR

OFFICE	LA:DL:AB #4	DL:LB #4	DL:LB #4				
SURNAME	MDuncan/hmc	CSE:Wle	EAdensam				
DATE	9/12/83	9/17/83	9/18/83				

McGuire

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OFFICE	Department of Human Resources				
SURNAME	P.O. Box 12200				
DATE	Raleigh, North Carolina 27605				

DUKE POWER COMPANY

DOCKET NO. 50-369

MCGUIRE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 24
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 September 2, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 license amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - 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 attachments to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-9 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. ²⁴, 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 was effective September 2, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

5/
Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing

Attachment:
Technical Specification
Changes

Date of Issuance: October 6, 1983

OFFICE	LA:DL:AB.#4	DL:LB.#4	OELD. <i>67</i>	DL:LB.#4	AD:ADL		
SURNAME	MDuncan/hmc	CStable	<i>6. Tolman</i>	EAdensam	TNOyak		
DATE	9/2/83	9/2/83	9/2/83	9/2/83	9/2/83		

DUKE POWER COMPANY

DOCKET NO. 50-370

MCGUIRE NUCLEAR STATION, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 5
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 September 2, 1983, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the 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 license amendment will not be inimical to the common defense and security or to the health and safety of the public;
 - 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 attachments to this license amendment and paragraph 2.C.(2) of Facility Operating License No. NPF-17 is hereby amended to read as follows:

OFFICE							
SURNAME							
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(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 5, 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 was effective September 2, 1983.

FOR THE NUCLEAR REGULATORY COMMISSION

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Elinor G. Adensam, Chief
Licensing Branch No. 4
Division of Licensing

Attachment:
Technical Specification
Changes

Date of Issuance: October 6, 1983

OFFICE	LA:DL:LB #4	DL:LB #4	OELD	DL:LB #4	AD:DL		
SURNAME	MDuncan/hmc	CStahel	Johnson	EAdensam	TNovak		
DATE	9/2/83	9/1/83	9/21/83	9/2/83	9/25/83		

NRC FORM 318 (10/80) NRCM 0240

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★ U.S. GPO 1983-400-247

ATTACHMENT TO LICENSE AMENDMENT NO. 24

FACILITY OPERATING LICENSE NO. NPF-9

DOCKET NO. 50-369

AND

TO LICENSE AMENDMENT NO. 5

FACILITY OPERATING LICENSE NO. NPF-17

DOCKET NO. 50-370

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 7-16

Overleaf
Page

3/4 7-15

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PLANT SYSTEMS

3/4.7.7 AUXILIARY BUILDING FILTERED VENTILATION EXHAUST SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.7 The Auxiliary Building Filtered Ventilation Exhaust System shall be OPERABLE.

APPLICABILITY: MODES 1, 2, 3, and 4.

ACTION:

With the Auxiliary Building Filtered Ventilation Exhaust System inoperable, restore the inoperable system to OPERABLE status within 24 hours or be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.*

SURVEILLANCE REQUIREMENTS

4.7.7 The Auxiliary Building Filtered Ventilation Exhaust System shall be demonstrated OPERABLE:

- a. At least once per 31 days, by initiating, from the control room, flow through the HEPA filters and charcoal adsorbers and verifying that the system operates for at least 15 minutes;
- b. At least once per 18 months, or (1) after any structural maintenance on the HEPA filter or charcoal adsorber housings, or (2) following painting, fire, or chemical release in any ventilation zone communicating with the system, by:
 - 1) Verifying that the cleanup system satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 1% and uses the test procedure guidance of Regulatory Positions C.5.a, C.5.c and C.5.d of Regulatory Guide 1.52, Revision 2, March 1978, and the system flow rate is 54,000 cfm \pm 10% (both fans operating - Unit 1) or 43,000 cfm \pm 10% (both fans operating - Unit 2);

*Until 11:59 p.m. September 7, 1983, HOT STANDBY conditions may be maintained on Unit 1 without proceeding to COLD SHUTDOWN. If the system is not restored to OPERABLE status by that time, be in COLD SHUTDOWN within the following 30 hours.

PLANT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

- f. After each complete or partial replacement of a HEPA filter bank, by verifying that the HEPA filter bank satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 1% in accordance with ANSI N510-1975 for a DOP test aerosol while operating the system at a flow rate of 2000 cfm \pm 10%; and
- g. After each complete or partial replacement of a charcoal adsorber bank, by verifying that the charcoal adsorber satisfies the in-place penetration and bypass leakage testing acceptance criteria of less than 1% in accordance with ANSI N510-1975 for a halogenated hydrocarbon refrigerant test gas while operating the system at a flow rate of 2000 cfm \pm 10%.

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

PROPOSED CHANGES TO TECHNICAL SPECIFICATIONS

McGUIRE NUCLEAR STATION, UNITS 1 AND 2

INTRODUCTION

By letter dated September 2, 1983, Duke Power Company requested amendments to Appendix A of Operating Licenses NPF-9 and NPF-17. The proposed change involves Specification 3.7.7, "Auxiliary Building Filtered Ventilation Exhaust System." If that system becomes and remains inoperable, the existing technical specifications require that the plant (1) be in hot standby within 30 hours and (2) be in cold shutdown within 60 hours. The proposed change would extend the permitted time in hot standby to 11:59 p.m. September 7, 1983.

The function of the Auxiliary Building Filtered Ventilation Exhaust System (VA) is to filter exhaust gases from areas containing ECCS equipment. These gases might be contaminated by radioactive materials leaked from the ECCS equipment following a LOCA.

The need for the change in the technical specification arose when the charcoal in the Unit 1 VA failed the routine surveillance test required by Technical Specification 4.7.7.b.2. Failing this test means that the VA must be declared inoperable until the charcoal can be replaced. Charcoal replacement cannot be accomplished in the allotted 60 hours so the unit must be taken to cold shutdown. Cold shutdown is undesirable because it would extend the outage at least 36 hours and because it imposes an additional thermal cycle on the core. Duke Power Company concluded that the only practicable solution was to request a change in the technical specifications.

EVALUATION

The proposed change in the technical specifications does not have the effect of removing the VA filtration because:

1. The change would be in effect for only a few days for charcoal replacement.
2. The change would have no influence until after the reactor has been shut down for at least 30 hours.
3. The VA would be isolated so ECCS area effluent would be released through the VA for the other unit.

Thus the probability is very small that a LOCA would occur during the proposed extension of the hot standby period and, even if such a LOCA did occur with the VA inoperable, the resulting doses would not increase because the release would be through the Unit 2 VA.

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NRC FORM 350 (REV. 1-79)

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FINAL NO SIGNIFICANT HAZARDS CONSIDERATION (SHC) DETERMINATION

The Commission made a proposed determination that these amendments involve no SHC and consulted with the State of North Carolina. The State of North Carolina did not have any comments. Based on the Commission's final review and the absence of State comments, the Commission has made a final determination that these amendments involve no significant hazards consideration.

ENVIRONMENTAL CONSIDERATION

We have determined that the amendments do not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendments involve an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of these amendments.

CONCLUSION

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: C. Stahle, Licensing Branch No. 4, DL
W. Gammill, Meteorology and Effluent Treatment Branch, DSI
C. Willis, Meteorology and Effluent Treatment Branch, DSI

Date: October 6, 1983

OFFICE							
SURNAME							
DATE							