

September 17, 1981

Docket No. 50-369

Mr. William O. Parker, Jr.
Vice President Steam Production
Duke Power Company
P.O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

Subject: Issuance of Amendment No. 4 to Facility Operating License
NPF-9 McGuire Nuclear Station, Unit 1

The Nuclear Regulatory Commission has issued Amendment No. 4 to Facility Operating License NPF-9 for the McGuire Nuclear Station, Unit 1, located in Mecklenburg County, North Carolina. The amendment consists of a change to the Technical Specifications in response to your application telecopied to us on August 28, 1981. This amendment was authorized by telephone on August 28, 1981, and was confirmed by letter that same date.

This amendment changes the Technical Specifications to prevent inadvertent actuation of the Upper Head Injection System during the performance of the Special Test Program. This amendment was issued on an expedited basis to permit completion of the Special Test Program.

A copy of the related safety evaluation report supporting Amendment No. 4 to Facility Operating License NPF-9 is enclosed. Also enclosed is a copy of a related notice which has been forwarded to the Office of the Federal Register for publication.

Sincerely,

sl

Elinor G. Adensam, Acting Chief
Licensing Branch No. 4
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Amendment No. 4
- 2. Safety Evaluation
- 3. Federal Register Notice

cc w/encl:
See next page

8/29/81

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OFFICE	LA:DL:NB #4	DL:LB #4	DL:LB #4			
SURNAME	<i>md</i> MDuncan/hmc	RBirkel	EAdensam	8110020200 810917		
DATE	9/2/81	9/2/81	9/1/81	PDR ADDCK 05000369		PDR

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cc: Mr. W. L. Porter
 Mr. A. Carr
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 c/o U.S. Nuclear Regulatory Commission
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 1716 Scales Street
 Raleigh, North Carolina 27608

Mr. David E. Smith

Attorney General
 Department of Justice
 Justice Building
 Raleigh, North Carolina 27602

Office of Intergovernmental Relations
 116 West Jones Street
 Raleigh, North Carolina 27603

County Manager of Mecklenburg County
 720 East Fourth Street
 Charlotte, North Carolina 28202

Mr. Bruce Blanchard
 Environmental Projects Review
 Department of the Interior
 Room 4256
 18th and C Street, N.W.
 Washington, D. C. 20240

U.S. Environmental Protection Agency
 ATTN: Ms. Elizabeth V. Jankus
 Office of Environmental Review
 Room 2119 N, A-104
 401 M Street, S.W.
 Washington, D. C. 20460

Director, Criteria and Standards Div.
 Office of Radiation Programs
 (ANR-460)
 U.S. Environmental Protection Agency
 Washington, D. C. 20460

EIS Coordinator
 U.S. Environmental Protection Agency
 Region IV Office
 345 Courtland Street, N.E.
 Atlanta, Georgia 30308

Chairman, North Carolina
 Utilities Commission
 430 North Salisbury Street
 Dobbs Building
 Raleigh, North Carolina 27602

Dr. John B. Barry
 Department of Environmental Health
 Mecklenburg County
 1200 Blythe Boulevard
 Charlotte, North Carolina 28203

OFFICE	City of Charlotte				
SURNAME	Legal Department			Dr. John B. Barry	
DATE	600 E. Trade Street			Department of Environmental Health	
	City Hall			Mecklenburg County	
	Charlotte, North Carolina 28211			1200 Blythe Boulevard	
				Charlotte, North Carolina 28203	

DUKE POWER COMPANY

DOCKET NO. 50-369

MCGUIRE NUCLEAR STATION, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 4
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 August 28, 1981, 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, 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:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 4, are hereby incorporated into this license. The licensee shall operate the facility in accordance with the Technical Specifications and the Environmental Protection Plan.

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3. This license amendment is effective as of its date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

1/

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

Attachment:
Technical Specification
changes

Date of Issuance: September 17, 1981

*E.K. - Amendment only
(Note, however, changes to address & comment on T.S. (has no bare)).*

OFFICE	LA:DL:LB #4	DL:LB #4	OELD	DL:LB #4	AD:LB #4		
SURNAME	MDuncan/hmc	RBirke	Ketchen	EAdensam	TEdesco		
DATE	9/2/81	9/2/81	9/7/81	9/11/81	9/16/81		

ATTACHMENT TO LICENSE AMENDMENT NO. 4

FACILITY OPERATING LICENSE NO. NPF-9

DOCKET NO. 50-369

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

Amended
Page

7-1

OFFICE ▶
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Special Test Program

For conducting the special low power test program as described in Section I.G.1 of the Safety Evaluation Report related to the operation of the McGuire Nuclear Station, Supplement Number 4 dated January 1981, the technical specifications may be excepted as follows:

Technical Specification	Test					
	1	2	3	4	5	6
2.1.1 Core Safety Limits	X	X	X	X	X	
2.2.1 Various Reactor Trips						
Overtemperature ΔT	X	X	X	X	X	X
Overpower ΔT	X	X	X	X	X	X
Steam Generator Level	X	X	X	X	X	X
3.1.1.3 Moderator Temperature Coefficient					X	
3.1.1.4 Minimum Temperature for Criticality					X	
3.3.1 Various Reactor Trips						
Overtemperature ΔT	X	X	X	X	X	X
Overpower ΔT	X	X	X	X	X	X
Steam Generator Level	X	X	X	X	X	X
3.3.2 Safety Injection - All automatic functions	X	X	X	X	X	X
Auxiliary feedwater automatic start	X	X	X	X	X	X
3.4.4 Pressurizer		X	X			X
3.7.1.2 Auxiliary Feedwater				X		X
3.8.1.1 AC Power Sources				X		X
3.8.2.1 AC Onsite Power Distribution System				X		X
3.8.2.3 DC Distribution System				X		X
3.10.3 Special Test Exceptions - Physics Tests					X	
3.5.1.2 Upper Head Injection Accumulators	X	X	X	X	X	X

SAFETY EVALUATION BY THE
OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 4
TO LICENSE NPF-9
DUKE POWER COMPANY

INTRODUCTION

By telecopied letter dated August 28, 1981, the Duke Power Company (the licensee) requested an emergency change to the Technical Specifications appended to Facility Operating License No. NPF-9 for the McGuire Nuclear Station, Unit No. 1. The change would add the following item to Section 7.0, Special Test Program, page 7-1 of the McGuire Technical Specifications:

	Test
Technical Specification	1 2 3 4 5 6
3.5.1.2 Upper Head Injection Accumulator	X X X X X X

Background

The reason for the requested change is to prevent inadvertent actuation of the Upper Head Injection system during the performance of the Special Test Program. The UHI system provides borated water to the reactor in the event of significant depressurization indicating a LOCA.

EVALUATION

The licensee's proposed change was evaluated to assure that adequate core cooling was available based upon the operating history to date of the McGuire Unit No. 1 core with the UHI system temporarily isolated. Based on our evaluation we agree with the licensee's conclusion that plant loss of coolant behavior during the low power testing sequence with UHI temporarily isolated will still have sufficient cooling water available to prevent fuel damage from over heating on a short term basis. The low power level and short operating history support this conclusion.

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ENVIRONMENTAL CONSIDERATION

We have determined that the amendment does 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 amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR Section 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 this amendment.

CONCLUSION

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

DATE: September 17, 1981

OFFICE ▶	.....	.....	.....	.....	.....	.....	.....
SURNAME ▶	.....	.....	.....	.....	.....	.....	.....
DATE ▶	.....	.....	.....	.....	.....	.....	.....

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-369

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENT

TO FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 4 to Facility Operating Licensing No. NPF-9, issued to Duke Power Company (licensee) for the McGuire Nuclear Station, Unit 1 (the facility) located in Mecklenburg County, North Carolina.

The amendment was authorized by telephone on August 28, 1981, and was confirmed by letter that same date. The amendment changes the Technical Specifications to prevent inadvertent actuation of the Upper Head Injection System during the performance of the Special Test Program. This amendment was issued on an expedited basis to permit completion of the Special Test Program.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations. The Commission has made appropriate findings as required by the Act and the Commission's regulations in 10 CFR Chapter I, which are set forth in the license amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5 (d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with issuance of this amendment.

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PDR ADOCK 05000369
PDR

OFFICE ▶
SURNAME ▶
DATE ▶

For further details with respect to this action, see (1) Duke Power Company letter dated August 28, 1981, (2) Amendment No. 4 to Facility Operating License No. NPF-9 with Appendix A Technical Specification page change, and (3) the Commission's related Safety Evaluation.

All of these items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C., and the Atkins Library, University of North Carolina, Charlotte (UNCC Station), North Carolina 28223. A copy of Amendment No. 4 may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland, this 17th day of September 1981.

FOR THE NUCLEAR REGULATORY COMMISSION

sl

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

*G.K. - F.R. notice only
(Note comment however,
SER evaluation is
rather sparse).*

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September 3, 1981

Docket No. 50-369

MEMORANDUM FOR: Robert L. Tedesco, Assistant Director
 for Licensing
 Division of Licensing

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

FROM: Ralph A. Birkel, Project Manager
 Licensing Branch No. 4
 Division of Licensing

SUBJECT: ISSUANCE OF AMENDMENT NO. 4 TO FACILITY OPERATING
 LICENSE NPF-9, MCGUIRE NUCLEAR STATION, UNIT 1

Regarding the issuance of the subject amendment there is no known public correspondence associated with this subject and no known irreversible impact.

51

Ralph A. Birkel, Project Manager
 Licensing Branch No. 4
 Division of Licensing

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 PDR ADOCK 05000369
 P PDR

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DATE	9/3/81	9/3/81	9/1/81				



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

M. Durcan

AUG 28 1981

Docket No. 50-360

Mr. William O. Parker, Jr.
Vice President - Steam Production
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

This confirms our telephone authorization given today (8/28/81) for a change in your Technical Specifications for the McGuire Nuclear Station, Unit No. 1 as requested by your teletype dated August 28, 1981. Facility Operating License No. NPF-9 is hereby amended by making the following Technical Specification change:

Add exemption for Technical Specification 3.5.1.2 to the list of Special Test Program exemptions on page 7-1 to read:

Technical Specification	TEST					
	1	2	3	4	5	6
3.5.1.2 Upper Head Injection Accumulators	X	X	X	X	X	X

Copies of the license amendment, our evaluation and the Federal Register Notice for this Technical Specification change will be sent to you when completed.

Sincerely,

R. Tedesco

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

cc: See next page

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McGuire

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P.O. Box 216
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McGuire Unit #1

50-369

8/28/81

Emergency Technical Specification Change SER

McGuire Unit #1

Via teletype dated August 28, 1981, the Duke Power Company (Duke) requested an emergency technical specification (TS) change that would add the following item to Section 7.0, Special Test Program, page 7-1, of the McGuire Technical Specifications:

Technical Specification	Test					
	1	2	3	4	5	6
3.5-1.2 Upper Head Injection Accumulator	x	x	x	x	x	x

The reason for the requested change is to prevent inadvertent actuation of the ^(UHI) system during the performance of the Special Test Program. The UHI system provides borated water to the reactor in the event of significant depressurization indicating a LOCA.

The licensee's proposed change was evaluated to assure that adequate core cooling was available based upon the operating history to date of the core ^{and} with the UHI system temporarily isolated. We agree with the licensee's conclusion that plant loss of coolant behavior during the low power testing sequence with UHI temporarily isolated would still have sufficient cooling water available to prevent fuel damage from over heating on a short term basis. The low power level and short operating history support this conclusion.

Our review of the Wake Technical specification changes request has resulted in our finding that the proposed changes will not impose a significant adverse impact on the health and safety of the public. Thus, we find the business proposal Technical specification changes acceptable.

This staff evaluation has been coordinated with:

- DSI: RSB (FORK) K.O. 8/28/81
- HFS: PTRB (D. FISHER) 8/28/81
- DST: LGB (M. VIRGILIO) 8/28/81

Ralph A. Baker
 Project Mgr., LB #4
 Dir. of Planning

AMENDMENT NO. TO
FACILITY OPERATING LICENSE NPF-9 - MCGUIRE NUCLEAR STATION, UNIT NO. 1

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Docket No. 50-369
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