

JAN 28 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. 1 to License NPF-9 For Fuel Loading and Zero Power Testing for McGuire Nuclear Station, Unit 1

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The Nuclear Regulatory Commission has issued Amendment No. 1 to License No. NPF-9 in accordance with your letter, dated January 27, 1981. A copy of this Amendment is enclosed. This amendment changes Section 2.C.(12) of License NPF-9 issued on January 23, 1981 for Fuel Loading and Zero Power Testing for the McGuire Nuclear Station, Unit 1. Also enclosed is a copy of our Safety Evaluation supporting this change and the public notice concerning the issuance of this amendment. The notice has been forwarded to the Office of the Federal Register for publication.

Sincerely,

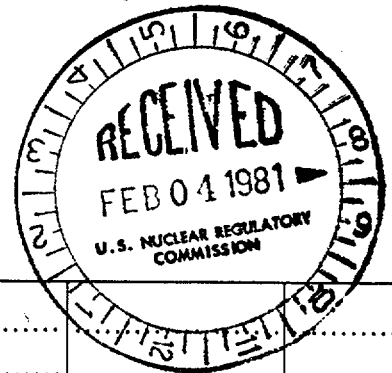
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Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 1 to NPF-9 for Fuel Loading and Zero Power Testing
2. Safety Evaluation
3. Federal Register Notice

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JAN 28 1981

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cc: Mr. W. L. Porter
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County Manager of Mecklenburg County
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ATTN: EIS Coordinator
Region IV Office
345 Courtland Street, N. W.
Atlanta, Georgia 30308

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Room 2119 M, A-104
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Washington, D.C. 20460

Director, Criteria and Standards Division
Office of Radiation Programs (ANR-460)
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DUKE POWER COMPANY

DOCKET NO. 50-369

MCGUIRE NUCLEAR STATION, UNIT 1

LICENSE FOR FUEL LOADING AND ZERO POWER TESTING

License No. NPF-9
Amendment No. 1

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The issuance of this amendment to the Duke Power Company for the McGuire Nuclear Station, Unit 1 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the license, as amended, 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;
 - 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, Paragraph 2.C.(12) of the license is amended to read:

Prior to initial criticality, the licensee shall perform confirmatory testing of the engineered safety features reset controls to assure that necessary equipment remains in the emergency mode following reset of its actuations signal.

The Office of Inspection and Enforcement will verify.

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

FOR THE NUCLEAR REGULATORY COMMISSION

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Darrell G. Eisenhower, Director
Division of Licensing
Office of Nuclear Reactor Regulation

Date of Issuance: JAN 28 1981

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SAFETY EVALUATION BY THE
OFFICE OF NUCLEAR REACTOR REGULATION
RELATED TO AMENDMENT NO. 1
TO LICENSE NPF-9
DUKE POWER COMPANY

Introduction

The status of the staff review of the McGuire engineered safety feature actuation system is presented in section 7.0, subsection 7.3 of Supplement No. 4 to the Safety Evaluation Report (NUREG-0422), January, 1981. Our evaluation shows that although we have not completed our review, the staff concludes that plant operation below 5 percent during completion of confirmatory testing of the system is acceptable and that this testing would be completed prior to fuel loading. This safety evaluation report documents the basis for modification (perform confirmatory testing prior to initial criticality) of operating license section 2.C.(12) which reflects this conclusion.

Evaluation

The design of the McGuire engineered safety feature actuation system provides that upon reset of an engineered safety feature actuation signal all safety-related equipment remains in its emergency mode. Confirmatory testing will provide additional assurance of this design feature. The requested change for performance of this testing for the period prior to initial criticality of the reactor core is acceptable since no heat is generated by the reactor core and there is no fission product inventory in the core. In the event of an engineered safety feature actuation and reset during this time period, the failure of any safety-related equipment to remain in its emergency mode would not result in the release of any radiation.

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 of consequences of accidents previously considered and does not

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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: JAN 28 1981

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-369

DUKE POWER COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO LICENSE NO. NPF-9
FOR FUEL LOADING AND ZERO POWER TESTING

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 1 to License No. NPF-9 for Fuel Loading and Zero Power Testing for the McGuire Nuclear Station, Unit 1. This amendment was issued to Duke Power (licensee) to revise the wording of the beginning sentence of Condition 2.C.(12) of the original license from "Prior to fuel loading" to "Prior to Initial Criticality". The McGuire Nuclear Station, Unit 1 is located near Charlotte, North Carolina in Mecklenburg County. The amendment is effective as of its date of issuance.

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 requirements. 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 considerations.

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 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.

For further details with respect to this action, see (1) the application for amendment, dated January 27, 1981; (2) Amendment No. 1 to License No. NPF-9 for Fuel Loading and Zero Power Testing; and (3) the Commission's related Safety

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Evaluation. All of these documents are available for public inspection at the Commission's Public Document Room, located at 1717 H Street, N. W., Washington, D. C. 20555 and at the Atkins Library, University of North Carolina Charlotte (UNCC Station) North Carolina 28223 or may be requested by writing to U. S. Nuclear Regulatory Commission, Washington, D. C. 20555 Attention: Director, Technical Information and Document Control.

Dated at Bethesda, Maryland, this 28th day of January 1981.

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by:

B. J. Youngblood

B. J. Youngblood, Chief
Licensing Branch No. 1
Division of Licensing

*Legal Objection
as to Form of Remittance
and Form of Request for Notice*
*E. K. Eisenhart
Office*

OFFICE	DL:LB#1	DL:LB#1	OELD	DL:LB#1			
SURNAME	MRushbrook/	SRBirkel	Ketchen	BJYoungblood			
DATE	1/28/81	1/28/81	1/28/81	1/ /81			