

50-259

et File	SBurwell
LWR #2 File	RHeineman
Local PDR	AToalston
NRCPDR	BScharf (15)
OELD	DSkovholt
RCDeYoung	EHughes
HSmith/JLee	HBristow
FWilliams	KGoller
BScott	DEisenhut
IE (3)	JGill
NDube	MSlater
MJinks (3)	GKnighton
WMiller	TIC
ACRS (16)	NSIC
JStolz	IDinitz
	RSBoyd

AUG 2 1976

Docket No. 50-296

Tennessee Valley Authority
 ATTN: Mr. Godwin Williams, Jr.
 Manager of Power
 818 Power Building
 Chattanooga, Tennessee 37401

Gentlemen:

The Nuclear Regulatory Commission has issued Amendment No. 1 to Facility Operating License No. DPR-68 to Tennessee Valley Authority. This amendment revises the temporary restrictions contained on page 1a of the Technical Specifications (Appendix A) to permit operation of the Browns Ferry Nuclear Plant Unit 3 at power levels of one percent or less of rated power (i.e., 33 megawatts thermal). This modification to the temporary restrictions from those contained in the Technical Specifications appended to the Initial Facility Operating License is based on (1) the satisfactory completion and resolution, as reported by the Commission's Office of Inspection and Enforcement, of two previously incomplete items of construction, and (2) the staff's conclusions contained in Supplement Number 9 to the Safety Evaluation Report related to the operation of the Browns Ferry Nuclear Plant, issued August 2, 1976 (copy enclosed) on four matters on which our review was incomplete as described in Supplement Number 8 to the Safety Evaluation Report, issued July 2, 1976. Our evaluation of three of these matters resulted in the addition of conditions to the license requiring conformance to forthcoming analyses or plant modifications for suppression pool hydrodynamic loads during a postulated loss-of-coolant accident, dynamic loads associated with relief valve operation, and fire protection; and an accelerated training program for plant fire brigade members. Operation of Browns Ferry Unit 3 at one percent or less rated power is acceptable prior to completion of the detailed fire protection procedures and the content of the fire training program in accordance with the fire protection criteria delineated in Section 2.0 of Supplement Number 2 to the Safety Evaluation Supporting the Operation After Restoration and Modification of the Browns Ferry Nuclear Plant, Units 1 and 2 Following the March 22, 1975 Fire, issued July 3, 1976.

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

AUG 2 1976

Docket No. 50-296

Tennessee Valley Authority
ATTN: Mr. Godwin Williams, Jr.
Manager of Power
818 Power Building
Chattanooga, Tennessee 37401


Gentlemen:

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AUG 2 1976

A copy of the Notice of Issuance is also enclosed.

Sincerely,


John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management

Enclosures:

1. Amendment No. 1 to DPR-68
2. Supplement No. 9 to Safety Evaluation Report
3. Federal Register Notice

cc: Mr. Robert N. Marquis
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Washington, D. C. 20240



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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-296

BROWNS FERRY NUCLEAR PLANT, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 1
License No. DPR-68

1. The Nuclear Regulation Commission (the Commission) having found that:
 - A. The issuance of Amendment No. 1 to Facility Operating License No. DPR-68 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 1;
 - B. The items found incomplete in Supplement No. 8 to the Safety Evaluation Report have been reviewed and found satisfactorily resolved as described in Supplement No. 9 to the Safety Evaluation Report;
 - C. The facility will operate in conformity with the application, as amended, the provisions of the Act, and the rules and regulations of the Commission;
 - D. 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 rules and regulations of the Commission; and
 - E. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment. Facility Operating License No. DPR-68 is hereby amended to revise paragraph 2.E.(2) and to add new paragraphs 2.E.(2)(e), 2.E.(3), 2.E.(4) and 2.E.(5) as follows:
 - "2.E.(2) The licensee is required to complete the following five plant modifications in the facility, which are related to the Fire Recovery Program, by the end of the first refueling outage of any of Browns Ferry Nuclear Plant, Units 1, 2 or 3:

- (e) Change the fire protection features of the battery room complex to do one of the following: (1) provide a total fire rated barrier enclosure of the facility battery room complex that exceeds the fire load contained in the room, (2) reduce the fire load to be within the fire barrier capability of 1-1/2 hours, or (3) provide a remote manual actuated sprinkler system in each room and provide the 1-1/2 hour fire barrier separation.
- (3) The licensee is required to assure that all fire brigade members will have received within 18 months an accelerated refresher training program conforming to the requirements of Section 2.2 of Supplement No. 2 to the Safety Evaluation Supporting the Operation After the Restoration and Modification of the Browns Ferry Nuclear Plant, Units 1 and 2 Following the March 22, 1975 Fire, issued July 3, 1976.
- (4) The licensee is required to assure that:
 - (a) The plant unique analysis for torus support structures and attached piping for the facility meets the approved Mark I Owners Group short-term acceptance criteria when subjected to dynamic loads associated with a postulated loss-of-coolant accident. Should the licensee determine that the results of the plant unique analysis are not in conformance with the approved Mark I Owners Group short-term acceptance criteria, a specific action plan will be developed by the licensee for the facility and presented to the Commission.

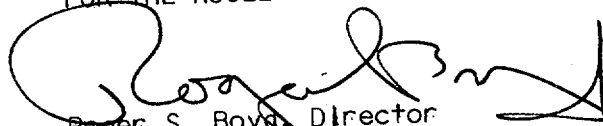
This action plan will include as a minimum the following information:

- (1) The value of the load factor for which the criteria are satisfied.
 - (2) A description of proposed plant modifications or other action which will result in reduced loads or increased capacities that would satisfy the criteria.
 - (3) If a plant hardware modification is made, the acceptance criteria will be described on a plant unique basis.
- (b) Upon completion of the Mark I Owners Group long-term program related to dynamic loads associated with a postulated loss-of-coolant accident, areas of design found not meeting the original design safety margins approved for the construction permit will be modified on a timely schedule to restore the original design safety margins.

(5) The licensee is required, upon completion of the Mark I Owners Group containment long-term program related to relief valve operation, to make such modifications on a timely basis as may be necessary to restore the original design safety margins approved for the construction permit and used for the design of the torus structures when subjected to relief valve operation."

5. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Roger S. Boyd, Director
Division of Project Management
Office of Nuclear Reactor Regulation

Attachment:
Appendix A - Technical
Specifications, page 1a,
Revision 1.

Date of Issuance:

APPENDIX A, TECHNICAL SPECIFICATIONS

TEMPORARY RESTRICTIONS

The Tennessee Valley Authority shall limit the operation of Browns Ferry Nuclear Plant Unit 3 to one percent or less of rated power (i.e., 33 megawatts thermal) until the following has been satisfactorily resolved:

1. The Commission will inspect and report the satisfactory completion of the detailed fire protection procedures and the content of the fire training program in accordance with the fire protection criteria delineated in Section 2.0 of Supplement Number 2 to the Safety Evaluation Supporting the Operation After the Restoration and Modification of the Browns Ferry Nuclear Plant, Units 1 and 2 Following the March 22, 1975 Fire, issued July 3, 1976.

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-296

TENNESSEE VALLEY AUTHORITY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY

OPERATING LICENSE

Notice is hereby given that the U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 1 to Facility Operating License No. DPR-68 issued to Tennessee Valley Authority which revised Technical Specifications for operation of the Browns Ferry Nuclear Plant, Unit 3, located in Limestone County, Alabama. The amendment is effective as of its date of issuance.

This amendment revises the temporary restrictions contained on page 1a of the Technical Specifications (Appendix A) to permit operation of the Browns Ferry Nuclear Plant Unit 3 at power levels of one percent or less of rated power (i.e., 33 megawatts thermal). This modification to the temporary restrictions from those contained in the Technical Specifications appended to the initial Facility Operating License is based on (1) the satisfactory completion and resolution, as reported by the Commission's Office of Inspection and Enforcement, of two previously incomplete items of construction, and (2) the staff's conclusions contained in Supplement Number 9 to the Safety Evaluation Report related to the operation of the Browns Ferry Nuclear Plant, issued August 2, 1976 (copy enclosed) on four matters on which our review was incomplete as described in Supplement Number 8 to the Safety Evaluation Report, issued July 2, 1976.

Our evaluation of three of these matters resulted in the addition of conditions to the license requiring conformance to forthcoming analyses or plant modifications for suppression pool hydrodynamic loads during a postulated loss-of-coolant accident, dynamic loads associated with relief valve operation, and fire protection; and an accelerated training program for plant fire brigade members. Operation of Browns Ferry Unit 3 at one percent or less rated power is acceptable prior to completion of the detailed fire protection procedures and the content of the fire training program in accordance with the fire protection criteria delineated in Section 2.0 of Supplement Number 2 to the Safety Evaluation Supporting the Operation After the Restoration and Modification of the Browns Ferry Nuclear Plant, Units 1 and 2. Following the March 22, 1975 Fire, issued July 3, 1976.

Issuance of the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in 10 CFR Chapter 1, which are set forth in the license amendment.

For further details with respect to this action, see (1) Amendment No. 1 to License No. DPR-68, and (2) the Commission's related Safety Evaluation Report, Supplement No. 9 dated August 2, 1976. These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. and at the Athens Public Library, South and Forrest, Athens, Alabama.

A copy of items (1) and (2) may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Project Management.

Dated at Bethesda, Maryland, this 2nd day of August, 1976.

FOR THE NUCLEAR REGULATORY COMMISSION



John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management