

OCT 31 1975

Docket Nos. 50-250
and 50-260

Tennessee Valley Authority
ATTN: Mr. James E. Watson
Manager of Power
818 Power Building
Chattanooga, Tennessee 37201

Gentlemen:

The Commission has issued the enclosed Amendments No. 15 and 12 to Facility Licenses No. DPR-33 and DPR-52 for the Browns Ferry Nuclear Plant, Units 1 and 2. These amendments include Changes No. 1A and are in response to your request of October 28, 1975.

The amendments revise the Technical Specifications regarding the surveillance requirements for the diesel generators and their associated boards to make them consistent with the corresponding limiting condition for operation.

Copies of the related Safety Evaluation and the Federal Register Notice are also enclosed.

Sincerely,

Original signed by
R. A. Purple

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Reactor Licensing

Enclosures:

1. Amendment No. 15 to DPR-33
2. Amendment No. 12 to DPR-52
3. Safety Evaluation
4. Federal Register Notice

cc w/enclosures:
See next page

[Handwritten signatures]

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OCT 31 1975

cc w/enclosures:

Robert H. Marquis
General Counsel
629 New Sprankle Building
Knoxville, Tennessee 37919

Athens Public Library
South and Forrest
Athens, Alabama 35611

Mr. Thomas Lee Hammons
Chairman, Limestone County Board
of Revenue
Athens, Alabama 35611

cc w/enclosures and incoming:

Ira L. Myers, M.D.
State Health Officer
State Department of Public Health
State Office Building
Montgomery, Alabama 36104

Mr. Dave Hopkins
Environmental Protection Agency
1421 Peachtree Street, NE.
Atlanta, Georgia 30309

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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-259

BROWNS FERRY NUCLEAR PLANT UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 15
License No. DPR-33

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Tennessee Valley Authority (the licensee) dated October 28, 1975, 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 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; and
 - 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.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility License No. DPR-33 is hereby amended to read as follows:



"(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 1 4."

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

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
R. A. Purple

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Reactor Licensing

Attachment:
Change No. 1 4 to the
Technical Specifications

Date of Issuance: OCT 31 1975

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

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-260

BROWNS FERRY NUCLEAR PLANT UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 1 2
License No. DPR-52

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Tennessee Valley Authority (the licensee) dated October 28, 1975, 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 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; and
 - 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.
2. Accordingly, the license is amended by a change to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C.(2) of Facility License No. DPR-55 is hereby amended to read as follows:



" (2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications, as revised by issued changes thereto through Change No. 14."

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

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
R. A. Purple

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Reactor Licensing

Attachment:
Change No. 14 to the
Technical Specifications

Date of Issuance: OCT 31 1975

DATE	SURNAME	OFFICE

Remove page 246 and insert revised page 246.

Revise Appendix A as follows:

DOCKET NOS. 50-259 AND 50-260

(CHANGE NO. 1 & 4 TO THE TECHNICAL SPECIFICATIONS)

AND LICENSE AMENDMENT NO. 1 & 2 TO LICENSE NO. DPR-52

ATTACHMENT TO LICENSE AMENDMENT NO. 1 & 5 TO LICENSE NO. DPR-33

3.9 AUXILIARY ELECTRICAL SYSTEM

this period and the plans to return the failed component to an operable state.

4. From and after the date that once of the two 250-Volt shutdown board batteries and/or its associated battery board is found to be inoperable for any reason, the NRC shall be notified within 24 hours of the situation, the precautions to be taken during this period and the plans to return the failed component to an operable state.

4.9 AUXILIARY ELECTRICAL SYSTEM

3. Undervoltage Relays

- a. Once every 6 months, the conditions under which the undervoltage relays are required shall be simulated with an undervoltage on each shutdown board to demonstrate that the associated diesel generator will start.
- b. The undervoltage relays which start the diesel generators from the 4kV shutdown boards shall be calibrated annually for trip and reset and the measurements logged.

D. Operation with Inoperable Equipment

1. When off-site power is reduced to one source, the two diesel generators and associated boards must be demonstrated functional immediately and daily thereafter.
2. When one of the two diesel generators is found to be inoperable, the remaining diesel

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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 1⁵ TO FACILITY LICENSE NO. DPR-33

AND AMENDMENT NO. 1² TO FACILITY LICENSE NO. DPR-52

(CHANGE NO. 1⁴ TO TECHNICAL SPECIFICATIONS)

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR POWER PLANT, UNITS 1 & 2

DOCKET NOS. 50-259 AND 50-260

Introduction

By letter dated October 28, 1975, Tennessee Valley Authority (TVA) made application for amendments to the operating licenses for Browns Ferry Units 1 and 2 to change a surveillance requirement in the Technical Specifications relating to testing of the diesel generators.

Discussion

The present Technical Specifications for Browns Ferry Units 1 and 2 were issued on June 13, 1975, as interim Technical Specifications to cover the present condition of the plant and its systems. Both units are shut down and defueled with temporary wiring installed to ensure that the equipment required to maintain the plant in a safe and stable posture is operable. For this condition, the interim Technical Specifications required that two off-site sources of power to the shutdown system must be available from either the 500 kV system (backfeeding) or the 161 kV transmission system. The pre-fire Technical Specifications required two 161 kV off-site sources and daily surveillance testing of the diesel generators if either 161 kV source became unavailable. When the interim Technical Specifications were issued that made allowance for supplying off-site power by backfeeding through the 500 kV transmission system (an option not readily available in the normal configuration where power from the main generators is being transmitted out on the 500 kV system), the associated surveillance Technical Specification was inadvertently not changed to reflect this additional source of off-site power.

Evaluation

The purpose of this specification is to ensure a reliable source of power for the shutdown system. Therefore, normally two independent sources of

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off-site power are required. If one is lost, only one remains and in order to ensure a reliable source of power, the on-site system, i.e., the diesel generators, are required to be tested daily. In the present condition, however, there are more than two independent off-site sources of power, the two 161 kV sources plus the 500 kV system. Therefore, the loss of one 161 kV source does not violate the limiting condition for operation, i.e., two sources of off-site power. Hence, the associated surveillance specification should be corrected to require daily testing of the on-site power system when there is only one source of off-site power available. This results in no effective change from the original, pre-fire specification requirements.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the change 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 change 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: OCT 31 1975

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NOS. 50-259 AND 50-260

TENNESSEE VALLEY AUTHORITY

NOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

Notice is hereby given that the U.S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 1 5to Facility Operating License No. DPR-33 and Amendment No.1 2 to Facility Operating License No. DPR-52 issued to Tennessee Valley Authority which revised Technical Specifications for operation of the Browns Ferry Nuclear Plant, Units 1 and 2, located in Limestone County, Alabama. The amendments are effective as of the date of issuance.

The amendments revise the Technical Specifications regarding the surveillance requirements for the diesel generators and their associated boards to make them consistent with the corresponding limiting condition for operation.

The application for these amendments 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 I, which are set forth in the license amendments. Prior public notice of these amendments is not required since the amendments do not involve a significant hazards consideration.

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For further details with respect to this action, see (1) the application for amendments dated October 28, 1975, (2) Amendment No. 15 to License No. DPR-33 and Amendment No. 12 to License No. DPR-52 with Change No. 14, 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, NW., Washington, D.C., and at the Athens Public Library, South and Forrest, Athens, Alabama 35611.

A copy of items (2) and (3) may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D.C. 20555, Attention: Director, Division of Reactor Licensing.

Dated at Bethesda, Maryland, this OCT 31 1975

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
R. A. Purple

Robert A. Purple, Chief
Operating Reactors Branch #1
Division of Reactor Licensing

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