



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-259

BROWNS FERRY NUCLEAR PLANT, UNIT 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 218
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 September 30, 1993, 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;
 - 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, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating 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 through Amendment No. 218, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Frederick J. Hebdon, Director
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: March 2, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 218

FACILITY OPERATING LICENSE NO. DPR-33

DOCKET NO. 50-259

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change. Overleaf* page is provided to maintain document completeness.

REMOVE

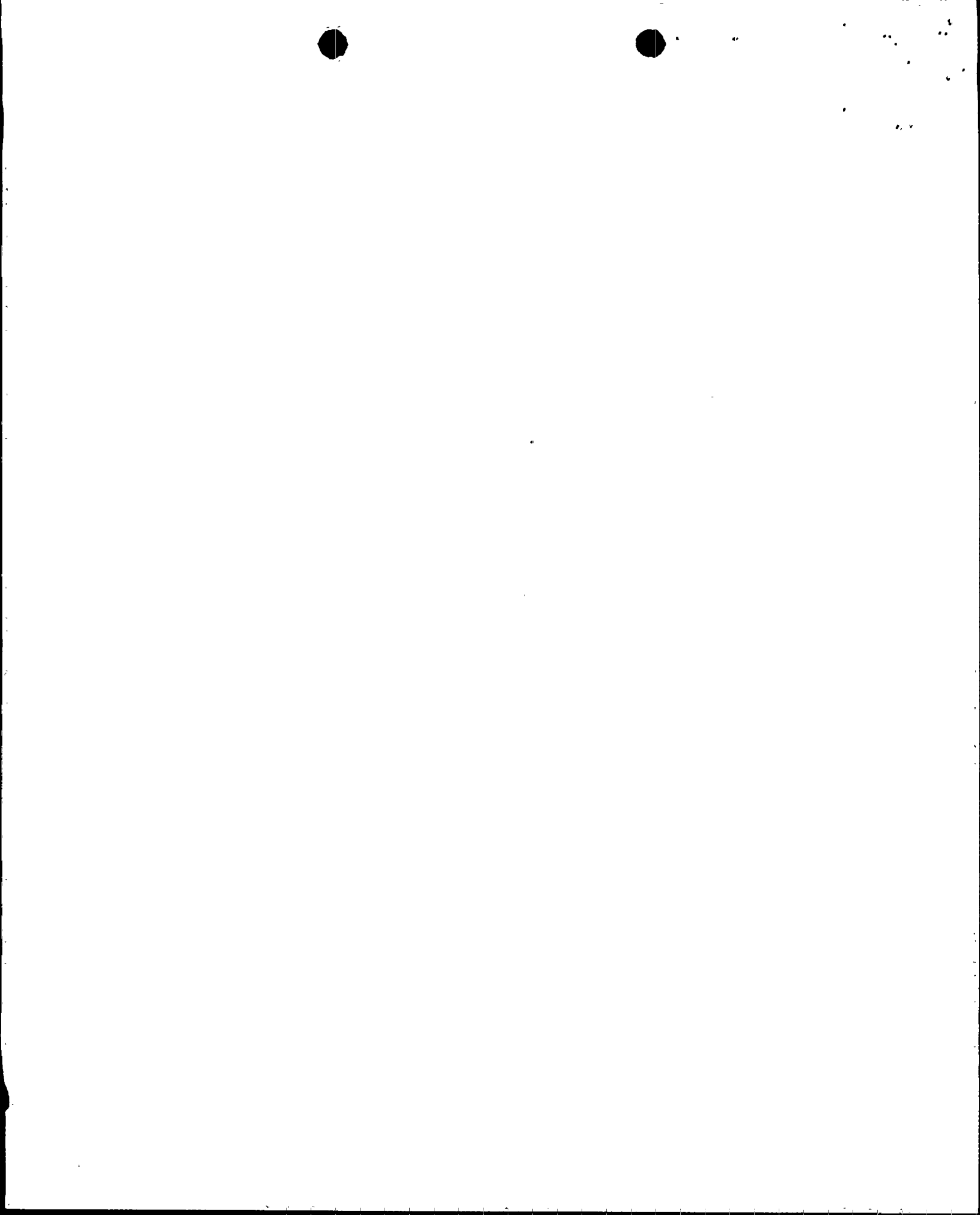
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3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the pool water level shall be maintained at a depth of 8-1/2 feet or greater above the top of the spent fuel. A minimum of 6-1/2 feet of water shall be maintained over single irradiated fuel assemblies during transfer and handling operations.

2. Whenever irradiated fuel is in the fuel pool, the pool water temperature shall be $\leq 150^{\circ}$ F.

3. Fuel pool water shall be maintained within the following limits:

conductivity ≤ 10 μ mhos/cm
at 25°C.

chlorides ≤ 0.5 ppm

4.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the water level shall be verified to be above the low level alarm setpoint or the water level shall be measured. This action shall be taken daily and recorded.

2. Whenever irradiated fuel is stored in the spent fuel pool, the temperature shall be measured and recorded daily.

3. A sample of fuel pool water shall be analyzed for conductivity and chloride content:

a. Daily, or

b. Once per 8 hours when the fuel pool cleanup system is inoperable.

3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.10.D Reactor Building Crane

1. The reactor building crane shall be OPERABLE:

- a. When a spent fuel cask is handled.

- b. Whenever new or spent fuel is handled with the 5-ton hoist.

4.10.D Reactor Building Crane

1. The following operational checks and inspections shall be performed on the reactor building crane prior to handling of a spent fuel cask and new or spent fuel. (These need not be performed more frequently than quarterly.):

- a. The cab and pendant controls shall be demonstrated to be OPERABLE on both the 125-ton hoist and the 5-ton hoist.

- b. A visual inspection shall be made to insure structural integrity of the 125-ton hoist, the 5-ton hoist and cask yoke safety wire ropes.

- c. The overtravel limit switch interlocks, movement speed control and braking operations for the bridge, trolley and hoists, the pendant



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TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-260

BROWNS FERRY NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 234
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 September 30, 1993, 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;
 - 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.

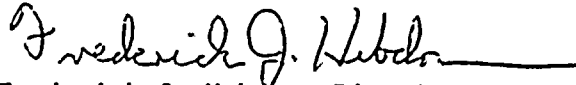
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-52 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 234, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Frederick J. Hebdon, Director
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: March 2, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 234

FACILITY OPERATING LICENSE NO. DPR-52

DOCKET NO. 50-260

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change. Overleaf* page is provided to maintain document completeness.

REMOVE

3.10/4.10-7

3.10/4.10-8

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3.10/4.10-7

3.10/4.10-8*

3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the pool water level shall be maintained at a depth of 8-1/2 feet or greater above the top of the spent fuel. A minimum of 6-1/2 feet of water shall be maintained over single irradiated fuel assemblies during transfer and handling operations.

2. Whenever irradiated fuel is in the fuel pool, the pool water temperature shall be $\leq 150^{\circ}$ F.

3. Fuel pool water shall be maintained within the following limits:

conductivity ≤ 10 μ mhos/cm
at 25°C

chlorides ≤ 0.5 ppm

4.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the water level shall be verified to be above the low level alarm setpoint or the water level shall be measured. This action shall be taken daily and recorded.

2. Whenever irradiated fuel is stored in the spent fuel pool, the temperature shall be measured and recorded daily.

3. A sample of fuel pool water shall be analyzed for conductivity and chloride content:

a. Daily, or

b. Once per 8 hours when the fuel pool cleanup system is inoperable.

3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

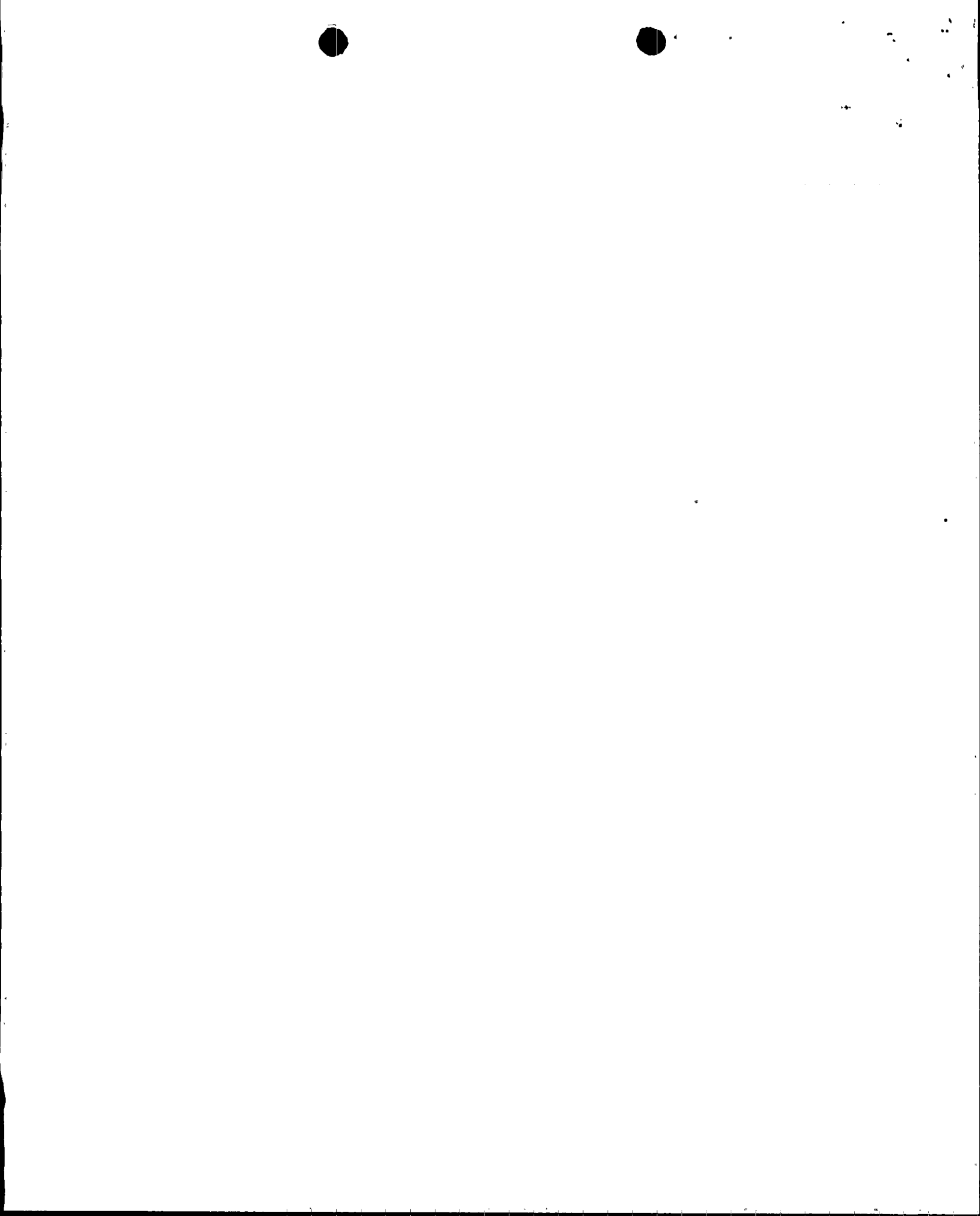
3.10.D Reactor Building Crane

1. The reactor building crane shall be OPERABLE:

- a. When a spent fuel cask is handled.
- b. Whenever new or spent fuel is handled with the 5-ton hoist.

4.10.D Reactor Building Crane

1. The following operational checks and inspections shall be performed on the reactor building crane prior to handling of a spent fuel cask and new or spent fuel. (These need not be performed more frequently than quarterly.):
 - a. The cab and pendant controls shall be demonstrated to be OPERABLE on both the 125-ton hoist and the 5-ton hoist.
 - b. A visual inspection shall be made to insure structural integrity of the 125-ton hoist, the 5-ton hoist and cask yoke safety wire ropes.
 - c. The overtravel limit switch interlocks, movement speed control and braking operations for the bridge, trolley and hoists, the pendant





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TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-296

BROWNS FERRY NUCLEAR PLANT, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 192
License No. DPR-68

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Tennessee Valley Authority (the licensee) dated September 30, 1993, 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;
 - 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.


2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C.(2) of Facility Operating License No. DPR-68 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 192, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of its date of issuance and shall be implemented within 30 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Frederick J. Hebden, Director
Project Directorate II-4
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment: Changes to the Technical
Specifications

Date of Issuance: March 2, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 192

FACILITY OPERATING LICENSE NO. DPR-68

DOCKET NO. 50-296

Revise the Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages are identified by the captioned amendment number and contain marginal lines indicating the area of change. Overleaf* page is provided to maintain document completeness.

REMOVE

3.10/4.10-7

3.10/4.10-8

INSERT

3.10/4.10-7

3.10/4.10-8*

3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the pool water level shall be maintained at a depth of 8-1/2 feet or greater above the top of the spent fuel. A minimum of 6-1/2 feet of water shall be maintained over single irradiated fuel assemblies during transfer and handling operations.

2. Whenever irradiated fuel is in the fuel pool, the pool water temperature shall be $\leq 150^{\circ}$ F.

3. Fuel pool water shall be maintained within the following limits:

conductivity ≤ 10 μ mhos/cm
at 25°C

chlorides ≤ 0.5 ppm

4.10.C Spent Fuel Pool Water

1. Whenever irradiated fuel is stored in the spent fuel pool, the water level shall be verified to be above the low level alarm setpoint or the water level shall be measured. This action shall be taken daily and recorded.

2. Whenever irradiated fuel is stored in the spent fuel pool, the temperature shall be measured and recorded daily.

3. A sample of fuel pool water shall be analyzed for conductivity and chloride content:

a. Daily, or

b. Once per 8 hours when the fuel pool cleanup system is inoperable.



3.10/4.10 CORE ALTERATIONS

LIMITING CONDITIONS FOR OPERATION

SURVEILLANCE REQUIREMENTS

3.10.D Reactor Building Crane

1. The reactor building crane shall be OPERABLE:

- a. When a spent fuel cask is handled.
- b. Whenever new or spent fuel is handled with the 5-ton hoist.

4.10.D Reactor Building Crane

1. The following operational checks and inspections shall be performed on the reactor building crane prior to handling of a spent fuel cask and new or spent fuel. (These need not be performed more frequently than quarterly.):
 - a. The cab and pendant controls shall be demonstrated to be OPERABLE on both the 125-ton hoist and the 5-ton hoist.
 - b. A visual inspection shall be made to insure structural integrity of the 125-ton hoist, the 5-ton hoist and cask yoke safety wire ropes.
 - c. The overtravel limit switch interlocks, movement speed control and braking operations for the bridge, trolley and hoists, the pendant interlocks, the main-auxiliary hoist operation interlock, and the remote emergency stop shall be functionally tested.



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