



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. 124  
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 May 8, 1985, 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-33 is hereby amended to read as follows:

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(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 124, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 90 days from the date of issuance.

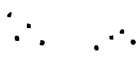
FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 19, 1985



ATTACHMENT TO LICENSE AMENDMENT NO. 124

FACILITY OPERATING LICENSE NO. DPR-33

DOCKET NO. 50-259

Revise Appendix A as follows:

1. Remove the following pages and replace with identically numbered pages.

324, 325

2. The marginal lines on these pages denote the areas being changed.



11

TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (gpm)</u>	<u>Residual Pressure (psig)</u>
1. Reactor Building Roof		
A. Valve 26-849	200	65
B. Valve 26-889	200	65
2. Refuel Floor		
A. Valve 26-835	75	70
B. Valve 26-843	75	70
C. Valve 26-870	75	70
D. Valve 26-865	75	70
E. Valve 26-876	75	70
F. Valve 26-888	75	70
G. Valve 26-898	75	70
3. Cable Tray Fixed Water Spray Systems (1)		
A. Unit 1 - A,B,C & D	200	70
B. Unit 1 - E & F	180	65
C. Unit 1 - G & H	300	55
D. Unit 1 - K & L	70	65
E. Unit 1 - N, P, & Q	115	75
F. Unit 2 - A & B	200	70
G. Unit 2 - C, D, E & F	200	70
H. Unit 2 - J, K & L	85	65
I. Unit 2 - N, P, Q & R	120	60
J. Unit 3 - A & B	200	70
K. Unit 3 - C, D, E & F	265	75
L. Unit 3 - J, K, L & M	135	75
M. Unit 3 - N, P & Q	100	40
N. Turbine Building	30	55
O. Unit 3 - Diesel Generator Building	55	50
4. Diesel Generator Buildings		
A. Valve 26-1032	75	70
B. Valve 26-1069	75	70

TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (GPM)</u>	<u>Residual Pressure (PSIG)</u>
5. Pump Intake Station		
A. Valve 26-578	75	70
6. Control Bay		
A. Valve 26-1076	75	70
7. Yard Loop (2)		
A. Hydrant at Valve 0-26-526	500	65
B. Hydrant at Valve 0-26-530	500	65
8. Cooling Tower Loop		
A. Hydrant at Valve 0-26-1023-6	500	65

Note (1) Cable tray fixed water spray systems are to be tested simultaneously with one 1½-inch hose station.

Note (2) Yard hydrants and the cooling tower hydrant are to be tested using the longest path for flow.



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NUCLEAR REGULATORY COMMISSION  
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TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-260

BROWNS FERRY NUCLEAR PLANT, UNIT 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 119  
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 May 8, 1985, 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. 119, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 90 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 19, 1985



11

1

ATTACHMENT TO LICENSE AMENDMENT NO. 119

FACILITY OPERATING LICENSE NO. DPR-52

DOCKET NO. 50-260

Revise Appendix A as follows:

1. Remove the following pages and replace with identically numbered pages.

324, 325

2. The marginal lines on these pages denote the areas being changed.

TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (gpm)</u>	<u>Residual Pressure (psig)</u>
1. Reactor Building Roof		
A. Valve 26-849	200	65
B. Valve 26-889	200	65
2. Refuel Floor		
A. Valve 26-835	75	70
B. Valve 26-843	75	70
C. Valve 26-870	75	70
D. Valve 26-865	75	70
E. Valve 26-876	75	70
F. Valve 26-888	75	70
G. Valve 26-898	75	70
3. Cable Tray Fixed Water Spray Systems (1)		
A. Unit 1 - A,B,C & D	200	70
B. Unit 1 - E & F	180	65
C. Unit 1 - G & H	300	55
D. Unit 1 - K & L	70	65
E. Unit 1 - N, P, & Q	115	75
F. Unit 2 - A & B	200	70
G. Unit 2 - C, D, E & F	200	70
H. Unit 2 - J, K & L	85	65
I. Unit 2 - N, P, Q & R	120	60
J. Unit 3 - A & B	200	70
K. Unit 3 - C, D, E & F	265	75
L. Unit 3 - J, K, L & M	135	75
M. Unit 3 - N, P & Q	100	40
N. Turbine Building	30	55
O. Unit 3 - Diesel Generator Building	55	50
4. Diesel Generator Buildings		
A. Valve 26-1032	75	70
B. Valve 26-1069	75	70

TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (GPM)</u>	<u>Residual Pressure (PSIG)</u>
5. Pump Intake Station		
A. Valve 26-578	75	70
6. Control Bay		
A. Valve 26-1076	75	70
7. Yard Loop (2)		
A. Hydrant at Valve 0-26-526	500	65
B. Hydrant at Valve 0-26-530	500	65
8. Cooling Tower Loop		
A. Hydrant at Valve 0-26-1023-6	500	65

Note (1) Cable tray fixed water spray systems are to be tested simultaneously with one 1½-inch hose station.

Note (2) Yard hydrants and the cooling tower hydrant are to be tested using the longest path for flow.



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
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TENNESSEE VALLEY AUTHORITY

DOCKET NO. 50-296

BROWNS FERRY NUCLEAR PLANT, UNIT 3

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 95  
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 May 8, 1985, 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. 95, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective 90 days from the date of issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Domenic B. Vassallo, Chief  
Operating Reactors Branch #2  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: November 19, 1985

ATTACHMENT TO LICENSE AMENDMENT NO. 95

FACILITY OPERATING LICENSE NO. DPR-68

DOCKET NO. 50-296

Revise Appendix A as follows:

1. Remove the following pages and replace with identically numbered pages.

355a, 355b

2. The marginal lines on these pages denote the area being changed.



TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (gpm)</u>	<u>Residual Pressure (psig)</u>
1. Reactor Building Roof		
A. Valve 26-849	200	65
B. Valve 26-889	200	65
2. Refuel Floor		
A. Valve 26-835	75	70
B. Valve 26-843	75	70
C. Valve 26-870	75	70
D. Valve 26-865	75	70
E. Valve 26-876	75	70
F. Valve 26-888	75	70
G. Valve 26-898	75	70
3. Cable Tray Fixed Water Spray Systems (1)		
A. Unit 1 - A,B,C & D	200	70
B. Unit 1 - E & F	180	65
C. Unit 1 - G & H	300	55
D. Unit 1 - K & L	70	65
E. Unit 1 - N, P, & Q	115	75
F. Unit 2 - A & B	200	70
G. Unit 2 - C, D, E & F	200	70
H. Unit 2 - J, K & L	85	65
I. Unit 2 - N, P, Q & R	120	60
J. Unit 3 - A & B	200	70
K. Unit 3 - C, D, E & F	265	75
L. Unit 3 - J, K, L & M	135	75
M. Unit 3 - N, P & Q	100	40
N. Turbine Building	30	55
O. Unit 3 - Diesel Generator Building	55	50
4. Diesel Generator Buildings		
A. Valve 26-1032	75	70
B. Valve 26-1069	75	70

Amendment No. 95

355a

TABLE 3.11.A FIRE PROTECTION SYSTEM HYDRAULIC REQUIREMENTS

<u>Station</u>	<u>Flow Required (GPM)</u>	<u>Residual Pressure (PSIG)</u>
5. Pump Intake Station		
A. Valve 26-578	75	70
6. Control Bay		
A. Valve 26-1076	75	70
7. Yard Loop (2)		
A. Hydrant at Valve 0-26-526	500	65
B. Hydrant at Valve 0-26-530	500	65
8. Cooling Tower Loop		
A. Hydrant at Valve 0-26-1023-6	500	65

Note (1) Cable tray fixed water spray systems are to be tested simultaneously with one 1½-inch hose station.

Note (2) Yard hydrants and the cooling tower hydrant are to be tested using the longest path for flow.

Amendment No. 95

355b