



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

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

DOCKET NO. 50-338

NORTH ANNA POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 98  
License No. NPF-4

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Virginia Electric and Power Company et al., (the licensee) dated May 27, 1987, 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.D.(2) of Facility Operating License No. NPF-4 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 98, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective within 14 days from the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director  
Project Directorate II-2  
Division of Reactor Projects-I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: March 29, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 98

TO FACILITY OPERATING LICENSE NO. NPF-4

DOCKET NO. 50-338

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page as indicated. The revised page is identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

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TABLE 3.6-1 (Cont.)

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (SEC.)</u>
19. MOV-1836*	High Head Safety Injection to RCS Except Boron Injection Line	NA
20. MOV-1869B*	High Head Safety Injection to RCS Except Boron Injection Line	NA
21. Deleted		
22. Deleted		
23. Deleted		
24. MOV-1890A*	LHSI Pump Discharge to Reactor Coolant System Hot Legs	NA
25. MOV-1890B*	LHSI Pump Discharge to Reactor Coolant System Hot Legs	NA
26. MOV-1890C*	LHSI Pump Discharge to Reactor Coolant System Cold Legs	NA
27. MOV-1890D*	LHSI Pump Discharge to Reactor Coolant System Cold Legs	NA
28. FCV-1160*	Loop Fill Header	NA
29. MOV-1289A*	Charging Line	NA
30. MOV-1867C*	High Head Safety Injection, Boron Injection Tank	NA
31. MOV-1867D*	High Head Safety Injection, Boron Injection Tank	NA
32. MOV-RS-100A*	Casing Cooling to Outside Recirculation Spray Pump	NA
33. MOV-RS-100B*	Casing Cooling to Outside Recirculation Spray Pump	NA
34. MOV-RS-101A*	Casing Cooling to Outside Recirculation Spray Pump	NA

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Amendment No. 48, 90

TABLE 3.6-1 (Cont.)

<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>ISOLATION TIME (Sec.)</u>
35. MOV-RS-101B*	Casing Cooling to Outside Recirculation Spray Pump	NA
36. TV-HC-108A*	Containment Atmosphere Sample Line	NA
37. TV-HC-108B*	Containment Atmosphere Sample Line	NA
38. TV-HC-100A	Suction Hydrogen Analyzer	NA
39. TV-HC-100B	Suction Hydrogen Analyzer	NA
40. TV-HC-101A	Discharge Hydrogen Analyzer	NA
41. TV-HC-101B	Discharge Hydrogen Analyzer	NA
42. TV-HC-102A	Suction Hydrogen Analyzer	NA
43. TV-HC-102B	Suction Hydrogen Analyzer	NA
44. TV-HC-103A	Discharge Hydrogen Analyzer	NA
45. TV-HC-103B	Discharge Hydrogen Analyzer	NA
46. TV-HC-104A*	Suction Hydrogen Recombiner	NA
47. TV-HC-104B*	Suction Hydrogen Recombiner	NA
48. TV-HC-105A*	Discharge Hydrogen Recombiner	NA
49. TV-HC-105B*	Discharge Hydrogen Recombiner	NA
50. TV-HC-106A*	Suction Hydrogen Recombiner	NA
51. TV-HC-106B*	Suction Hydrogen Recombiner	NA
52. TV-HC-107A*	Discharge Hydrogen Recombiner	NA
53. TV-HC-107B*	Discharge Hydrogen Recombiner	NA

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Amendment No. 28, 42, 98



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

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

DOCKET NO. 50-339

NORTH ANNA POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 85  
License No. NPF-7

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Virginia Electric and Power Company, et al., (the licensee) dated May 27, 1987, 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.

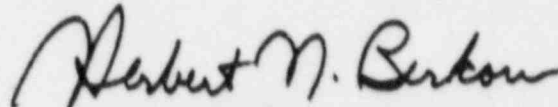
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-7 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 85, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective within 14 days from the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



Herbert N. Berkow, Director  
Project Directorate II-2  
Division of Reactor Projects-I/II  
Office of Nuclear Reactor Regulation

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: March 29, 1988

ATTACHMENT TO LICENSE AMENDMENT NO. 85

TO FACILITY OPERATING LICENSE NO. NPF-7

DOCKET NO. 50-339

Replace the following page of the Appendix "A" Technical Specifications with the enclosed page as indicated. The revised page is identified by amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

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TABLE 3.6-1 (Cont.)

	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (SEC.)</u>
27.	MOV-2890D*	LHS1 Pump Discharge to Reactor Coolant System Cold Legs	NA
28.	FCV-2160*	Loop Fill Header	NA
29.	MOV-2289A*	Charging Line	NA
30.	MOV-2867C*	High Head Safety Injection, Boron Injection Tank	NA
31.	MOV-2867D*	High Head Safety Injection, Boron Injection Tank	NA
32.	MOV-RS-200A*	Casing Cooling to Outside Recirculation Spray Pump	NA
33.	MOV-RS-200B*	Casing Cooling to Outside Recirculation Spray Pump	NA
34.	MOV-RS-201A*	Casing Cooling to Outside Recirculation Spray Pump	NA
35.	MOV-RS-201B*	Casing Cooling to Outside Recirculation Spray Pump	NA
36.	TV-HC-208A	Containment Atmosphere Sample Line	NA
37.	TV-HC-208B	Containment Atmosphere Sample Line	NA
38.	TV-HC-200A	Suction Hydrogen Analyzer	NA
39.	TV-HC-200B	Suction Hydrogen Analyzer	NA
40.	TV-HC-201A	Discharge Hydrogen Analyzer	NA
41.	TV-HC-201B	Discharge Hydrogen Analyzer	NA
42.	TV-HC-202A	Suction Hydrogen Analyzer	NA
43.	TV-HC-202B	Suction Hydrogen Analyzer	NA
44.	TV-HC-203A	Discharge Hydrogen Analyzer	NA

TABLE 3.6-1 (Cont.)

	<u>VALVE NUMBER</u>	<u>FUNCTION</u>	<u>MAXIMUM ISOLATION TIME (SEC.)</u>
45.	TV-HC-203B	Discharge Hydrogen Analyzer	NA
46.	TV-HC-204A*	Suction Hydrogen Recombiner	NA
47.	TV-HC-204B*	Suction Hydrogen Recombiner	NA
48.	TV-HC-205A*	Discharge Hydrogen Recombiner	NA
49.	TV-HC-205B*	Discharge Hydrogen Recombiner	NA
50.	TV-HC-206A*	Suction Hydrogen Recombiner	NA
51.	TV-HC-206B*	Suction Hydrogen Recombiner	NA
52.	TV-HC-207A*	Discharge Hydrogen Recombiner	NA
53.	TV-HC-207B*	Discharge Hydrogen Recombiner	NA
F. CHECK			
1.	2-CC-194	Component Cooling Water to RHR System and Excess Letdown Heat Exchanger	NA
2.	2-CC-199	Component Cooling Water to RHR System and Excess Letdown Heat Exchanger	NA
3.	2-SI-93	High Head Safety Injection, Boron Injection to RCS	NA
4.	2-CC-302	Component Cooling Water to Containment Air Recirculation Coils	NA
5.	2-CC-289	Component Cooling Water to Containment Air Recirculation Coils	NA