

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-338

NORTH ANNA POWER STATION, UNIT NO. 1

FACILITY OPERATING LICENSE

License No. NPF-4
Amendment No. 14

POOR ORIGINAL

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Virginia Electric and Power Company (licensee) dated May 1, 1978 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's regulations as set forth in 10 CFR Chapter 1;
 - B. The facility will operate in conformity with the license, as amended, the provisions of the Act, and the 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 Appendix A Technical Specifications as indicated in the attachment to this license amendment. Facility Operating License No. NPF-4 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A as revised through Amendment No. 14, are hereby incorporated into this license. The licensee shall operate the facility in accordance with the Technical Specifications.

7909250 421

1026 280

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

FOR THE NUCLEAR REGULATORY COMMISSION

Olan D. Parr, Chief
Light Water Reactors, Branch #3
Division of Project Management

Date of Issuance: AUG 17 1979

Enclosure:
Revised pages to Appendix A
Technical Specifications

POOR ORIGINAL

1026 201

OFFICE →	DPM:LWR #3	DPM:LWR #3	OELD	DPM:LWR #3		
SURNAME →	MRushbrook:mec	ADromerick	DSwanson	ODParr		
DATE →	8/ /79	8/ 17 /79	8/ /79	8/ 17 /79		

ATTACHMENT TO LICENSE AMENDMENT NO. 14

FACILITY OPERATING LICENSE NO. NPF-4

DOCKET NO. 50-338

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

Pages

5-5

5-6

1026 282

DESIGN FEATURES

- a. In accordance with the code requirements specified in Section 5.2 of the FSAR, with allowance for normal degradation pursuant to the applicable Surveillance Requirements,
- b. For a pressure of 2485 psig, and
- c. For a temperature of 650°F, except for the pressurizer which is 680°F.

VOLUME

5.4.2 The total water and steam volume of the reactor coolant system is 9957 ± 10 cubic feet at a nominal T_{avg} of 525°F.

5.5 METEOROLOGICAL TOWER LOCATION

5.5.1 The meteorological tower shall be located as shown on Figure 5.1-1.

5.6 FUEL STORAGE

CRITICALITY

5.6.1 The spent fuel storage racks containing new and/or spent fuel are designed and shall be maintained with a nominal 14 inch center-to-center distance between fuel assemblies placed in the spent fuel storage racks to ensure a k_{eff} equivalent of ≤ 0.95 with the storage pool filled with unborated water. The k_{eff} of ≤ 0.95 includes a conservative allowance of 3.7% $\Delta k/k$ for uncertainties.

The new fuel pit storage racks are designed and shall be maintained with a nominal 21 inch center-to-center distance between new fuel assemblies such that, on a best estimate basis, k_{eff} will not exceed .98 with fuel of the highest anticipated enrichment in place assuming optimum moderation.*

If fresh fuel is stored dry for a core loading in the spent fuel racks, a center-to-center distance between new fuel assemblies will be administratively limited to 28 inches. On a best estimate basis, k_{eff} will not exceed .98 with fuel of the highest anticipated enrichment in place assuming optimum moderation.*

*E.G., an aqueous foam envelopment as the result of fire fighting.

DESIGN FEATURES

DRAINAGE

5.6.2 The spent fuel pit is designed and shall be maintained to prevent inadvertent draining of the pool below elevation 288.83 feet. Mean Sea Level, USGS datum.

CAPACITY

5.6.3 The fuel storage pool is designed and shall be maintained with a storage capacity limited to no more than 966 fuel assemblies.

5.7 COMPONENT CYCLIC or TRANSIENT LIMIT

5.7.1 The components identified in Table 5.7-1 are designed and shall be maintained within the cyclic or transient limits of Table 5.7-1.