

REGULATORY DOCKET FILE COPY

Docket No. 50-338

NOV 19 1980

Mr. J. H. Ferguson
Executive Vice President - Power
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Dear Mr. Ferguson:

The Nuclear Regulatory Commission has issued Amendment No. 21 to Facility Operating License NPF-4 for the North Anna Power Station, Unit 1. The amendment is effective as of the date of issuance and is to be implemented as soon as practicable but not later than June 30, 1982.

The amendment makes a change in a license condition as requested by you in a letter dated July 22, 1980. Your requested change has been modified so that the revised license condition will be in conformance with the Commission's Memorandum and Order dated May 23, 1980 regarding the environmental qualification of safety-related electrical equipment.

The amendment revises License Condition 2.D.(3)j to require that certain Barton Lot 1 Transmitters inside containment be modified or replaced as soon as practicable but not later than June 30, 1982.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. 21 to NPF-4
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
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* See previous yellow

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Docket No. 50-338

Mr. J. H. Ferguson
Executive Vice President - Power
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Dear Mr. Ferguson:

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See next page

OFFICE➤	ORB#3:DL	ORB#3:DL	ORB#3:DL	AD:OR:DL	OELD	EQB:DE
SURNAME➤	PMKreutzer	LEngle/JL	RAClark	TNovak	DSwanson	Z.Rosztoczy
DATE➤	9/16/80	9/16/80	9/16/80	11/5/80	11/7/80	11/3/80

when modified as shown in D.B. comments
no legal objection to amendment
OK
A. R. R. R. R. R.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555
November 19, 1980

DISTRIBUTION:
Docket File
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ORB#3 Rdg

Docket No. 50-338

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: NORTH ANNA POWER STATION, UNIT NO.1

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12) of the Notice are enclosed for your use.

- ☐ Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- ☐ Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s): Time for Submission of Views on Antitrust Matters.
- ☐ Notice of Availability of Applicant's Environmental Report.
- ☐ Notice of Proposed Issuance of Amendment to Facility Operating License.
- ☐ Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- ☐ Notice of Availability of NRC Draft/Final Environmental Statement.
- ☐ Notice of Limited Work Authorization.
- ☐ Notice of Availability of Safety Evaluation Report.
- ☐ Notice of Issuance of Construction Permit(s).
- ☒ Notice of Issuance of Facility Operating License(s) or Amendment(s).
- ☒ Other: Amendment No. 21

Referenced documents have been provided PDR

Division of Licensing, ORB#3
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#3:DL					
SURNAME →	PMKreutzer/JL					
DATE →	11/21/80					



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

November 19, 1980

Docket 50-338

Docket No. 50-338

Mr. J. H. Ferguson
Executive Vice President - Power
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Dear Mr. Ferguson:

The Nuclear Regulatory Commission has issued Amendment No. 21 to Facility Operating License NPF-4 for the North Anna Power Station, Unit 1. The amendment is effective as of the date of issuance and is to be implemented as soon as practicable but not later than June 30, 1982.

The amendment makes a change in a license condition as requested by you in a letter dated July 22, 1980. Your requested change has been modified so that the revised license condition will be in conformance with the Commission's Memorandum and Order dated May 23, 1980 regarding the environmental qualification of safety-related electrical equipment.

The amendment revises License Condition 2.D.(3)j to require that certain Barton Lot 1 Transmitters inside containment be modified or replaced as soon as practicable but not later than June 30, 1982.

Copies of the Safety Evaluation and the Notice of Issuance are also enclosed.

Sincerely,

A handwritten signature in cursive script, reading "Robert A. Clark", is written over the typed name.

Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. 21 to NPF-4
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
See next page

Mr. J. H. Ferguson
Virginia Electric and Power Company

cc: Richard M. Foster, Esq.
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Leavenworth & Cope, P.C.
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Hunton, Williams, Gay and Gibson
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Richmond, Virginia 23212

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Manuscripts Department
University of Virginia
Charlottesville, Virginia 22901

Mr. Edward Kube
Board of Supervisors
Louisa County Courthouse
P. O. Box 27
Louisa, Virginia 23093

Ellyn R. Weiss, Esquire
Sheldon, Harmon, Roisman and Weiss
1725 I Street, N.W., Suite 506
Washington, D. C. 20006

Mr. W. R. Cartwright, Station Manager
P. O. Box 402
Mineral, Virginia 23117

Mr. Anthony Gambardella
Office of the Attorney General
11 South 12th Street - Room 308
Richmond, Virginia 23219

Mr. Allan Tattersall
Resident Inspector/North Anna
c/o U.S. NRC
P. O. Box 128
Spotsylvania, Virginia 22553

cc w/enclosure(s) and incoming
dtd: 7/22/80

Commonwealth of Virginia
Council on the Environment
903 Ninth Street Office Building
Richmond, Virginia 23129

Mrs. June Allen
North Anna Environmental Coalition
1105-C Olive Street
Greensboro, North Carolina 27401

Mr. James Torson
501 Leroy
Socorro, New Mexico 87801

Mrs. Margaret Dietrich
Route 2, Box 568
Gordonsville, Virginia 22042

Mr. James C. Dunstance
State Corporation Commission
Commonwealth of Virginia
Blandon Building
Richmond, Virginia 23209

U. S. Environmental Protection Agency
Region III Office
ATTN: EIS COORDINATOR
Curtis Building
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

Director, Technical Assessment Division
Office of Radiation Programs (AW-459)
U. S. Environmental Protection Agency
Crystal Mall #2
Arlington, Virginia 20460

Mr. Paul W. Purdom
Environmental Studies Institute
Drexel University
32nd and Chestnut Streets
Philadelphia, Pennsylvania 19104

Atomic Safety and Licensing
Appeal Board Panel
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-338

NORTH ANNA POWER STATION, UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 21
License No. NPF-4

1. The Nuclear Regulatory Commission (the Commission) has found that:

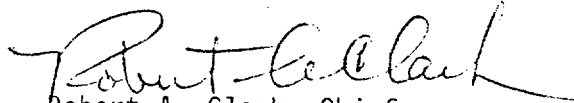
- A. The application for amendment by the Virginia Electric and Power Company (the licensee) dated July 22, 1980 complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act) and the Commission's rules and regulations set forth in 10 CFR Chapter I;
- B. The facility 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, paragraph 2.D.(3)j of Facility Operating License No. NPF-4 is hereby amended to read as follows:

- 2.D.(3)j The Virginia Electric and Power Company shall modify or replace the presently installed Barton Models No. 763 and No. 764 Lot 1 Transmitters used in safety-related circuits inside containment with transmitters that have been demonstrated to provide a greater tolerance to harsh environments. The modifications or replacement of these transmitters shall be completed as soon as practicable but not later than June 30, 1982.

- .. The license amendment is effective as of the date of issuance and is to be implemented by no later than June 30, 1982.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Date of Issuance: November 19, 1980



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 21 TO LICENSE NO. NPF-4

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION, UNIT NO. 1

DOCKET NO. 50-338

Introduction:

By letter dated July 22, 1980, the Virginia Electric and Power Company (the licensee) requested that the time allowed for replacing the Barton Lot 1 Transmitters at the North Anna Power Station, Unit No. 1 (NA-1) be extended to the third refueling outage.

License Condition 2.D.(3)j to NA-1 Facility Operating License NPF-4 presently states that the Barton Lot 1 Transmitters used in safety-related circuits inside containment shall be replaced or modified prior to restart after the second refueling outage.

Discussion:

Amendment No. 16 to Facility Operating License NPF-4 (December 28, 1979) revised License Condition 2.D.(3)j to require that the Barton Models No. 763 and No. 764 Lot 1 Transmitters be modified or replaced with transmitters which have been qualified to provide a greater tolerance to harsh environments. While the staff concluded that the presently installed Barton Lot 1 Transmitters were suitable for an interim period of time, the staff also concluded that the additional margin of safety provided by the replaced or modified transmitters was warranted for long term operation. The revised License Condition 2.D.(3)j required that the modification or replacement of the transmitters be completed prior to restart after the second refueling outage.

Subsequent to the issuance of Amendment No. 16 to Operating License NPF-4 (December 28, 1979), the Commission Memorandum and Order dated May 23, 1980 directed the staff to complete its review of environmental qualification of Class 1E electrical equipment including the publication of the Safety Evaluation Reports by February 1, 1981 for all operating reactors. Also, this Order directs that by no later than June 30, 1982, all electrical equipment in operating reactors subject to this review shall be qualified in accordance with the requirements stated in the Division of Operating Reactor's "Guidelines for Evaluating Environmental Qualification of Class 1E Electrical Equipment in Operating Reactors" or NUREG-0558 "Interim Staff Position on Environmental Qualification of Safety-Related Electrical Equipment".

Evaluation:

The licensee's letter dated July 22, 1980 states that the current availability of suitable replacement transmitters precludes completing the implementation schedule for License Condition 2.D.(3)i by the end of the second refueling outage now scheduled for late February, 1981. Therefore, the licensee has requested that the implementation date for License Condition 2.D.(3)j be revised to the end of the third refueling outage. However, the date for the licensee's third refueling outage at NA-1 may exceed the Commission's implementation date of June 30, 1982, and therefore the licensee's requested implementation date is not acceptable.

However, based upon our Safety Evaluation Report supporting Amendment No. 16 to Operating License NPF-4 which provides the basis for interim use of the presently installed transmitters, we find the licensee's requested change for implementation schedule to be acceptable up to but not exceeding the Commission's implementation date of June 30, 1982.

Therefore, License Condition 2.D.(3)j to Facility Operating License NPF-4 is hereby revised to read:

"The Virginia Electric and Power Company shall modify or replace the presently installed Barton Models No. 763 and No. 764 Lot 1 Transmitters used in safety-related circuits inside containment with transmitters that have been demonstrated to provide a greater tolerance to harsh environments. The modifications or replacement of these transmitters shall be completed as soon as practicable but not later than June 30, 1982.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of the amendment.

Conclusion

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

Dated: November 19, 1980

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-338VIRGINIA ELECTRIC AND POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITY OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 21 to Facility Operating License No. NPF-4 issued to the Virginia Electric and Power Company (the licensee) for operation of the North Anna Power Station, Unit No. 1 (the facility) located in Louisa County, Virginia. The amendment is effective as of its date of issuance and is to be implemented as soon as practicable but not later than June 30, 1982.

The amendment revises a license condition to require that certain Barton Lot 1 Transmitters inside containment be modified or replaced as soon as practicable but not later than June 30, 1982.

The application for the amendment 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 amendment. Prior public notice of this amendment was not required since the amendment does not involve a significant hazards consideration.

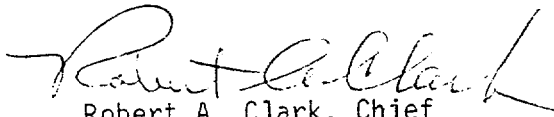
- 2 -

The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR Section 51.5(d)(4) an environmental impact statement, or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

For further details with respect to this action see (1) Virginia Electric and Power Company letter dated July 22, 1980; (2) Amendment No. 21 to Facility Operating License No. NPF-4; and (3) the Commission's related Safety Evaluation. These items are available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D. C. 20555 and at the Board of Supervisor's Office, Louisa County Courthouse, Louisa, Virginia 23093 and at the Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia 22901. A copy of items (2) and (3) may be obtained upon request to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Licensing.

Dated at Bethesda, Maryland this 19th day of November 1980.

FOR THE NUCLEAR REGULATORY COMMISSION


Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing