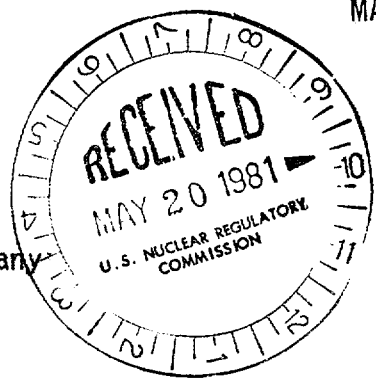


Docket Nos. 50-338
and 50-339

MAY 14 1981



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

Dear Mr. Ferguson:

The Commission has issued the enclosed Amendment Nos. 29 and 10 to Facility Operating License Nos. NPF-4 and NPF-7 for North Anna Power Station, Unit Nos. 1 and 2 (NA-1&2). The amendments consist of changes to the Technical Specifications in response to your application transmitted by letters dated May 13, 1981 (Serial No. 305) and May 15, 1981 (Serial No. 307).

The amendments revise the NA-1&2 Technical Specifications by removing certain snubbers from the NA-1&2 Table 3.7-4. The removal of the snubbers is based on the continuing evaluations of multi-amplified-response spectra reanalysis for NA-1&2.

This amendment also confirms deletion of snubber 571 from Table 3.7-4 of the NA-1 and 2 Technical Specifications as requested in your letter of May 13, 1981 and authorized by our letter of May 14, 1981.

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

Sincerely,

Original signed by
Robert A. Clark

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

Enclosures:

- 1. Amendment No. 29 to NPF-4
- 2. Amendment No. 10 to NPF-7
- 3. Safety Evaluation
- 4. Notice of Issuance

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cc w/enclosures:
See next page

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

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Docket No. 50-338 and 50-339

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: VIRGINIA ELECTRIC AND POWER COMPANY, North Anna Power Station,
Units No. 1 and 2.

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 Nos. 29 and 10.~~
Referenced documents have been provided BDR.

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

Enclosure:
As Stated

OFFICE	ORB#3:DL					
SURNAME	PMKreutzer/pn					
DATE	5/15/81					



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

May 15, 1981

Docket Nos. 50-338
and 50-339

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

Dear Mr. Ferguson:

The Commission has issued the enclosed Amendment Nos. 29 and 10 to Facility Operating License Nos. NPF-4 and NPF-7 for North Anna Power Station, Unit Nos. 1 and 2 (NA-1&2). The amendments consist of changes to the Technical Specifications in response to your application transmitted by letters dated May 13, 1981 (Serial No. 305) and May 15, 1981 (Serial No. 307).

The amendments revise the NA-1&2 Technical Specifications by removing certain snubbers from the NA-1&2 Table 3.7-4. The removal of the snubbers is based on the continuing evaluations of multi-amplified-response spectra reanalysis for NA-1&2.

This amendment also confirms deletion of snubber 571 from Table 3.7-4 of the NA-1 and 2 Technical Specifications as requested in your letter of May 13, 1981 and authorized by our letter of May 14, 1981.

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

Sincerely,

A handwritten signature in black ink that reads "Robert A. Clark".

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

Enclosures:

1. Amendment No. 29 to NPF-4
2. Amendment No. 10 to NPF-7
3. Safety Evaluation
4. Notice of Issuance

cc w/enclosures:
See next page

015210

402

Virginia Electric and Power Company

cc:

Richard M. Foster, Esquire
Musick, Williamson, Schwartz,
Leavenworth & Cope, P.C.
P. O. Box 4579
Boulder, Colorado 80306

Michael W. Maupin, Esquire
Hunton, Williams, Gay and Gibson
P. O. Box 1535
Richmond, Virginia 23212

Alderman Library
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, Harman, 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. Edward Webster
Resident Inspector/North Anna
c/o U.S.N.R.C.
Route 2, Box 78A
Mineral, Virginia 23117

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

Mr. James Torson
501 Leroy
Socorro, New Mexico 87891

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

Director, Criteria and Standards Division
Office of Radiation Programs (A/R-450)
U.S. Environmental Protection Agency
Washington, D. C. 20460

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

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

cc w/enclosure(s) and incoming
dtd: 5/13/81, 5/15/81

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



UNITED STATES
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. 29
License No. NPF-4

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Virginia Electric and Power Company (the licensee) dated May 13, 1981 and May 15, 1981 comply 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 applications, 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.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. 29, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. The license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 15, 1981

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 29 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.

Page

3/4 7-63

Table 3.7-4 (Continued)

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER No.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION (ELEVATION-AREA)#</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
405	CC-244-Pent	A	No	Yes
407	CC-244-Pent	A	No	No
202	FC-249-FBB	I	No	No
204	FC-249-FBB	I	No	No

NORTH ANNA - UNIT 1

2/4 7-63

Amendment No. 19, 29

Table 3.7-4 (Continued)

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER No.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION (ELEVATION-AREA)#</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
1	WGCB-246-A	I	Yes	Yes
2	WGCB-246-C	I	Yes	Yes
1A	WGCB-244-Pent	I	Yes	No
2A	WGCB-244-Pent	I	Yes	No
103	WGCB-279-TBM	I	No	Yes
104	WGCB-279-TBM	I	No	Yes

NORTH ANNA - UNIT 1

3/4 7-64



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

VIRGINIA ELECTRIC AND POWER COMPANY

DOCKET NO. 50-339

NORTH ANNA POWER STATION, UNIT NO. 2

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 10
- License No. NPF-7

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The applications for amendment by Virginia Electric and Power Company (the licensee) dated May 13, 1981 and May 15, 1981 comply 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 applications, 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.

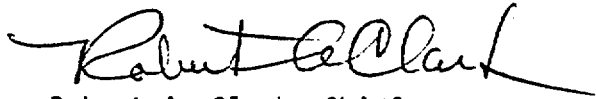
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. NPF-7 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 10, 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 the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION



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

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 15, 1981

ATTACHMENT TO LICENSE AMENDMENT

AMENDMENT NO. 10 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.

Page

3/4 7-27

TABLE 3.7-4a

SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION (ELEVATION-AREA)#</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION DURING SHUTDOWN ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
556-8	CC-269-C	I	Yes	No
556-10	CC-263-C	I	Yes	No
605-10	CC-269-C	I	Yes	No
548-8	CC-267-A	I	Yes	No
400	CC-244-ABB	A	No	Yes
599-21	CC-273-B	I	Yes	Yes
726-1	CC-234-RCB	I	Yes	Yes
406	CC-244-PENT.	A	No	Yes
408	CC-244-PENT.	A	No	No
507	CH-247-RCA	I	No	Yes
401-3	CH-222-RCB	I	No	No
401-4	CH-220-RCB	I	No	No
401-5	CH-221-RCB	I	No	Yes
401-8	CH-221-RCB	I	No	Yes
401-9	CH-225-RCB	I	No	Yes

NORTH ANNA - UNIT 2

3/4 7-27

Amendment No. 10

TABLE 3.7-4a (Continued)
SAFETY RELATED HYDRAULIC SNUBBERS*

<u>SNUBBER NO.</u>	<u>SYSTEM SNUBBER INSTALLED ON, LOCATION (ELEVATION-AREA)#</u>	<u>ACCESSIBLE OR INACCESSIBLE (A or I)</u>	<u>HIGH RADIATION DURING SHUTDOWN ZONE** (Yes or No)</u>	<u>ESPECIALLY DIFFICULT TO REMOVE (Yes or No)</u>
401-13	CH-230-RCB	I	No	Yes
401-14	CH-236-RCB	I	No	Yes
401-15	CH-236-RCB	I	No	Yes
401-20	CH-236-RCB	I	Yes	Yes
401-23A	CH-248-B	I	Yes	Yes
401-23B	CH-248-B	I	Yes	Yes
401-24A	CH-256-B	I	Yes	Yes
401-24B	CH-256-B	I	Yes	Yes
401-29	CH-234-RCB	I	No	Yes
401-36	CH-238-RCB	I	No	Yes
405-2	CH-250-A	I	Yes	No
406-3A	CH-230-RCB	I	No	Yes
406-3B	CH-230-RCB	I	No	Yes
468-3	CH-232-RCB	I	No	Yes
640-2	CH-217-RCB	I	No	No
640-3	CH-217-RCB	I	No	No
800-1	CH-244-A	I	Yes	No
800-2	CH-244-A	I	Yes	No
800	QS-274-SG	A	No	No



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

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 29 AND NO. 10 TO
FACILITY OPERATING LICENSE NOS. NPF-4 AND NPF-7

VIRGINIA ELECTRIC AND POWER COMPANY

NORTH ANNA POWER STATION, UNITS NO. 1 AND NO. 2

DOCKET NOS. 50-338 AND 50-339

Introduction:

By letters dated May 13, 1981 (Serial No. 305) and May 15, 1981 (Serial No. 307), the Virginia Electric and Power Company (the licensee) requested changes in the Technical Specifications for Facility Operating Licenses NPF-4 and NPF-7 for the North Anna Power Station, Units No. 1 and 2 (NA-1&2).

The changes involve the removal of facility snubbers based on the ongoing NRC required multi-structure Amplified Response Spectra (ARS) reanalysis for NA-1&2. The ARS reanalysis has required, in some cases, the removal of plant specific snubbers listed in Table 3.7-4 of the NA-1&2 Technical Specifications.

Discussion and Evaluation:

1. NA-1&2 Snubber 571

Based on the ARS reanalysis, the licensee determined that snubber 571 should be removed. Upon further review, the licensee determined that snubber 571 was not only listed in Table 3.7-4 of the NA-2 Technical Specifications but also listed in Table 3.7-4 of the NA-1 Technical Specifications.

By letter dated May 13, 1981, the licensee requested that snubber 571 be removed from the NA-1&2 Technical Specifications. Our letter, dated May 14, 1981 authorized the licensee to delete snubber 571 from Table 3.7-4 of the NA-1&2 Technical Specifications.

As determined in the ongoing ARS reanalysis, the removal of snubber 571 does not decrease the margin of safety in that removal of this snubber along with other support modifications will provide improved support of the piping system for applicable loads to be expected during a seismic event or during accident conditions.

Based on the above, we find acceptable the removal of snubber 571 from Table 3.7-4 of the NA-1&2 Technical Specifications. Also, for the reasons

as stated above, this evaluation documents our authorization by letter dated May 14, 1980, permitting removal of snubber 571 from Table 3.7-4 of the NA-1&2 Technical Specifications.

2. NA-1 Snubbers 403, 404, 409, and 410

Based on the NA-1 ARS reanalysis, the licensee has determined that snubbers 403, 404, 409, and 410 related to the Component Cooling Water System located in the station auxiliary building at location CC-244-Pent be replaced by new snubbers 411, at location CC-255-Pent and 412, at location CC-252-Pent. This requires the deletion of snubbers 403, 404, 409, and 410 from Table 3.7-4 of the NA-1 Technical Specifications. The licensee has stated that a future amendment request will add snubbers 411 and 412 to Table 3.7-4 of the NA-1 Technical Specifications upon completion of installation.

The removal of snubbers 403, 404, 409, and 410 and installation of snubbers 411 and 412 will provide greater support for the system piping for applicable loads to be expected during a seismic event or during accident conditions. These modifications do not decrease the margin of safety and on this basis we find the changes acceptable.

3. NA-2 Snubbers 401 and 402

Based on the ongoing NA-2 ARS reanalysis, the licensee has determined that snubbers 401 and 402 at location CC-244-ABB be removed due to modifications to two rigid supports and addition of another snubber. This requires the deletion of snubbers 401 and 402 from Table 3.7-4 of the NA-2 Technical Specifications. The licensee has stated that a future amendment will add snubbers to Table 3.7-4 of the NA-2 Technical specifications following installation.

The deletion of these snubbers does not decrease the margin of safety in that the deletion of these snubbers along with other modifications to the piping supports, will provide improved support for the piping systems for loads to be expected during a seismic or accident event. Therefore, we find these change to be acceptable.

Environmental Consideration

We have determined that the amendments do 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 amendments involve 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 these amendments.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendments do not involve a significant increase in the probability or consequences of accidents previously considered and do not involve a significant decrease in a safety margin, the amendments do 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 these amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: May 15, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NOS. 50-338 AND 50-339VIRGINIA ELECTRIC AND POWER COMPANYNOTICE OF ISSUANCE OF AMENDMENTS TO FACILITY
OPERATING LICENSES

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendments No. 29 and No. 10 to Facility Operating License Nos. NPF-4 and NPF-7 issued to the Virginia Electric and Power Company (the licensee) which revised the Technical Specifications for operation of the North Anna Power Station, Units No. 1 and No. 2 (the facility) located in Louisa County, Virginia. The amendments are effective as of the date of issuance.

The amendments make changes to Table 3.7-4 of the facility Technical Specifications by removing certain facility snubbers. The changes are needed based on the NRC required Multi-Structure Amplified Response Spectra Analysis presently underway at NA-1&2.

The applications for the amendments comply 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 amendments. Prior public notice of these amendments was not required since these amendments do not involve a significant hazards consideration.

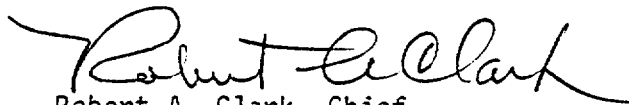
- 2 -

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

For further details with respect to this action, see (1) the applications for amendments dated May 13, 1981 and May 15, 1981; (2) Amendment No. 29 and No. 10 to Facility Operating Licenses No. NPF-4 and NPF-7 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 15th day of May, 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



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