

May 1, 1995

DISTRIBUTION
See attached sheet

Mr. J. P. O'Hanlon
Senior Vice President - Nuclear
Virginia Electric and Power Company
5000 Dominion Blvd.
Glen Allen, Virginia 23060

Dear Mr. O'Hanlon:

SUBJECT: NORTH ANNA UNITS 1 AND 2 - ISSUANCE OF AMENDMENTS RE: DELETE REQUIREMENTS TO PERIODICALLY REVIEW CERTAIN ADMINISTRATIVE AND TECHNICAL PROCEDURES (TAC NOS. M87031 AND M87032)

The Commission has issued the enclosed Amendment Nos. 190 and 171 to Facility Operating License Nos. NPF-4 and NPF-7 for the North Anna Power Station, Units No. 1 and No. 2 (NA-1&2). The amendments revise the Technical Specifications (TS) in response to your letter dated July 8, 1993 as supplemented by letters dated July 12, 1994, and March 7, 1995.

The amendments revise the NA-1&2 TS by deleting the requirements to periodically review certain administrative and technical procedures.

A copy of the Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly Federal Register notice.

Sincerely,

(Original Signed By)

Leon B. Engle, Project Manager
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Enclosures:

1. Amendment No. 190 to NPF-4
2. Amendment No. 171 to NPF-7
3. Safety Evaluation

cc w/enclosures:

See next page

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Mr. J. P. O'Hanlon
Virginia Electric & Power Company

North Anna Power Station
Units 1 and 2

cc:

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DATED: May 1, 1995

AMENDMENT NO. 190 TO FACILITY OPERATING LICENSE NO. NPF-4-NORTH ANNA UNIT 1
AMENDMENT NO. 171 TO FACILITY OPERATING LICENSE NO. NPF-7-NORTH ANNA UNIT 2

Distribution

Docket File

NRC & Local PDRs

PDII-2 Reading

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G. Hill (4), TWFN 5/C/3

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ACRS (4)

OPA

OC/LFMB

D. Verelli, RII



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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. 190
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 July 8, 1993, as supplemented by letters dated July 12, 1994, and March 7, 1995, 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.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. 190, 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 its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



David B. Matthews, Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 1, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 190

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.

Remove Page

6-13

Insert Page

6-13

ADMINISTRATIVE CONTROLS

- c. Surveillance and test activities of safety related equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.
- f. Fire Protection Program implementation.
- g. PROCESS CONTROL PROGRAM implementation.
- h. OFFSITE DOSE CALCULATION MANUAL implementation.
- i. Quality Assurance Program for effluent and environmental monitoring, using the guidance in Regulatory Guide 1.21, Revision 1, June 1974 and Regulatory Guide 4.1, Revision 1, April 1975.

6.8.2 Each procedure of 6.8.1 above, except 6.8.1.d, 6.8.1.e, and 6.8.1.f and changes thereto, shall be reviewed and approved by the SNSOC prior to implementation as set forth in administrative procedures. Procedures of 6.8.1.d, 6.8.1.e, and 6.8.1.f shall be reviewed and approved as set forth in the facility's Security Plan, Emergency Plan, and section 6.5.1.6.m of the Technical Specifications, respectively. SNSOC approval shall be certified in writing by an Assistant Station Manager.

6.8.3 Temporary changes to procedures of 6.8.1 above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the plant supervisory staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed, and approved by the SNSOC within 14 days of implementation. SNSOC approval shall be certified in writing by an Assistant Station Manager.

6.8.4 The following programs shall be established, implemented, and maintained:

a. Primary Coolant Sources Outside Containment

A program to reduce leakage from those portions of systems outside containment that could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. The systems include the recirculation spray, safety injection, chemical and volume control, gas stripper, and hydrogen recombiners. The program shall include the following:

- (i) Preventive maintenance and periodic visual inspection requirements, and
- (ii) Integrated leak test requirements for each system at refueling cycle intervals or less.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

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. 171
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 July 8, 1993, as supplemented by letters dated July 12, 1994, and March 7, 1995, 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. 171, 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 its date of issuance and shall be implemented within 30 days.

FOR THE NUCLEAR REGULATORY COMMISSION



David B. Matthews, Director
Project Directorate II-1
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Technical
Specifications

Date of Issuance: May 1, 1995

ATTACHMENT TO LICENSE AMENDMENT NO. 171

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.

Remove Page

6-14

Insert Page

6-14

ADMINISTRATIVE CONTROLS

- c. Surveillance and test activities of safety related equipment.
- d. Security Plan implementation.
- e. Emergency Plan implementation.
- f. Fire Protection Program implementation.
- g. PROCESS CONTROL PROGRAM implementation.
- h. OFFSITE DOSE CALCULATION MANUAL implementation.
- i. Quality Assurance Program for effluent and environmental monitoring, using the guidance in Regulatory Guide 1.21, Revision 1, June 1974 and Regulatory Guide 4.1, Revision 1, April 1975.

6.8.2 Each procedure of 6.8.1 above, except 6.8.1.d, 6.8.1.e, and 6.8.1.f and changes thereto, shall be reviewed and approved by the SNSOC prior to implementation as set forth in administrative procedures. Procedures of 6.8.1.d, 6.8.1.e, and 6.8.1.f shall be reviewed and approved as set forth in the facility's Security Plan, Emergency Plan, and section 6.5.1.6.m of the Technical specifications, respectively. SNSOC approval shall be certified in writing by an Assistant Station Manager.

6.8.3 Temporary changes to procedures of 6.8.1 above may be made provided:

- a. The intent of the original procedure is not altered.
- b. The change is approved by two members of the plant supervisory staff, at least one of whom holds a Senior Reactor Operator's License on the unit affected.
- c. The change is documented, reviewed, and approved by the SNSOC within 14 days of implementation. SNSOC approval shall be certified in writing by an Assistant Station Manager.

6.8.4 The following programs shall be established, implemented, and maintained:

a. Primary Coolant Sources Outside Containment

A program to reduce leakage from those portions of systems outside containment that could contain highly radioactive fluids during a serious transient or accident to as low as practical levels. The systems include the recirculation spray, safety injection, chemical and volume control, gas stripper, and hydrogen recombiners. The program shall include the following:

- (i) Preventive maintenance and periodic visual inspection requirements, and
- (ii) Integrated leak test requirements for each system at refueling cycle intervals or less.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

RELATED TO AMENDMENT NOS. 190 AND 171 TO

FACILITY OPERATING LICENSE NOS. NPF-4 AND NPF-7

VIRGINIA ELECTRIC AND POWER COMPANY

OLD DOMINION ELECTRIC COOPERATIVE

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

DOCKET NOS. 50-338 AND 50-339

1.0 INTRODUCTION

By letter dated July 8, 1993, as supplemented by letters dated July 12, 1994, and March 7, 1995, the Virginia Electric and Power Company (the licensee) requested a change to the Technical Specifications (TS) for the North Anna Power Station, Units No. 1 and No. 2 (NA-1&2). The proposed change would delete the requirement to periodically review certain administrative and technical procedures.

The letters dated July 12, 1994, and March 7, 1995, provided additional information and did not affect the staff's initial proposed determination of no significant hazards consideration as noticed in the Federal Register on August 4, 1993 (58 FR 41518).

An evaluation of the proposed change is provided below.

2.0 DISCUSSION

Currently, TS 6.8.2 in the Administrative Controls section of the NA-1&2 TS requires that procedures "be reviewed periodically as set forth in administrative procedures." This requirement specifically excludes implementation procedures associated with the Emergency Plan, Security Plan, and Fire Protection Program which are required to be reviewed annually by the Code of Federal Regulations.

The proposed change deletes the TS requirement for routine periodic reviews of administrative and technical procedures, as justified by the controls established and effectively implemented for procedure upgrades and revisions.

Elimination of the TS 6.8.2 requirement for periodic reviews of procedures will only affect routine administrative and technical procedures; and necessary revisions and upgrades of those procedures will continue to be detailed and thorough. Procedures which will not be affected include those used to control abnormal, offnormal, or alarm conditions and those used for

combating emergencies and other significant events which are governed by regulations, NRC-approved programs, and/or prior licensee commitments.

The proposed amendment would eliminate the NA-1&2 requirement to periodically review most administrative and technical procedures. Specifically, the NA-1&2 TS are revised as follows:

- o NA-1 TS 6.8.2 is revised to delete the phrase "and reviewed periodically" in the first sentence.
- o NA-2 TS 6.8.2 is revised to delete the phrase "and reviewed periodically" in the first sentence.

3.0 EVALUATION

Regarding the proposed change dated July 8, 1993, a meeting was held on June 19, 1994 with the licensee where the staff outlined a means of implementing the requirement of the periodic review of procedures. This approach would include: 1) programmatic controls should ensure that applicable plant procedures are reviewed following an accident, unexpected transient, significant operator error, or equipment malfunction, 2) provisions for reviewing emergency operating procedures, off-normal procedures, procedures that implement the emergency plan every 2 years, 3) at least every 2 years the quality assurance organization should audit a representative sample of routine plant procedures, and 4) routine plant procedures that have not been used for 2 years should be reviewed prior to use.

The licensee provided additional information in letters dated July 12, 1994, and March 7, 1995, to describe the controls that exist to ensure the technical integrity of the site procedures. The Operational Quality Assurance Program (OQAP) requires that applicable procedures be reviewed following unusual incidents such as accidents, unexpected transients, significant operator error, or equipment malfunction. The licensee will continue to periodically review Emergency Operating Procedures, Abnormal Procedures, Emergency Plan Implementing Procedures, Annunciator Response Procedures, Fire Protection Plan, Security Plan Implementing Procedures, and Security Contingency Plan Implementing Procedures on a frequency as required by the Code of Federal Regulations (CFR) and other licensee commitments. QA audits are performed to review procedures for the area being audited and to examine the adequacy of the procedures and their implementation. An independent group performs assessments of the Procedure Upgrade/Revision Program when warranted based on plant performance. The licensee also stated that pre-job briefings are performed prior to significant work activities which include a review of the applicable procedures.

Other licensee mechanisms that provide for review of procedures include: the use of Deficiency Feedback Forms or Procedure Action Requests for site staff to identify procedural deficiencies during the conduct of routine activities, the review of procedures affected by plant modifications and revision of the necessary procedures prior to completion of the modification, and the Licensed

Operator Requalification Program formal processes to resolve procedural deficiencies identified during classroom or simulator training.

Therefore, the staff finds the commitments described in the letters dated July 8, 1993, July 12, 1994, and March 7, 1995, acceptable as they provide for adequate periodic reviews of plant procedures to fulfill the intent of Regulatory Guide 1.33, "Quality Assurance Program requirements (Operation)" that endorses ANSI N18.7-1976, "Administrative Controls and Quality Assurance for the Operational Phase of Nuclear Power Plants."

4.0 STATE CONSULTATION

In accordance with the Commission's regulations, the Virginia State official was notified of the proposed issuance of the amendment. The State official had no comment.

5.0 ENVIRONMENTAL CONSIDERATION

This amendment relates to changes in recordkeeping, reporting, or administrative procedures or requirements. Accordingly, this amendment meets the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(10). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of this amendment.

6.0 CONCLUSION

The Commission has concluded, based on the considerations discussed above, that: (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, (2) such activities will be conducted in compliance with the Commission's regulations, and (3) the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Principal Contributor: Frederick Allenspach

Date: May 1, 1995