

May 2, 1985



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
Attn: Mr. James R. Miller, Chief
Operating Reactors Branch No. 3
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No.: 85-077
E&C/WBR:sas:2010N
Docket Nos.: 50-338
50-339
License Nos.: NPF-4
NPF-7

Gentlemen:

AMENDMENT TO OPERATING LICENSES NPF-4 AND NPF-7
NORTH ANNA POWER STATION UNIT NOS. 1 AND 2
PROPOSED TECHNICAL SPECIFICATION CHANGES

Pursuant to 10CFR50.90, Virginia Power requests an amendment, in the form of changes to the Technical Specifications, to Operating License Nos. NPF-4 and NPF-7 for the North Anna Power Station Unit Nos. 1 and 2.

As discussed with members of the Staff in a meeting on October 11, 1984, Virginia Power is requesting an increase in the maximum core power as the final phase in a program to maximize the electrical output of North Anna Unit Nos. 1 and 2. The proposed changes of this amendment will allow operation of the North Anna units with a core rated thermal power of 2893 MWt (Nuclear Steam Supply System (NSSS) power of 2905 MWt).

Enclosures 1 and 2, respectively, provide Safety Evaluations for the NSSS and Balance of Plant (BOP) systems in support of operation up to a NSSS rating of 2910 MWt. However, because of turbine generator limitations, this request would allow operation for a NSSS rating of only 2905 MWt. The specific Technical Specification revisions required for this change are given in Enclosure 3. Several associated setpoint changes are required for operation at the uprated conditions, and these setpoint changes will be incorporated into the Precautions, Limitations and Setpoints (PLS) document and the plant procedures prior to implementation of the uprating. The UFSAR revisions associated with the reanalyses will be incorporated into the UFSAR during the annual update following implementation of the uprating. Enclosure 4 addresses a number of specific comments raised by the NRC staff at the October 11, 1984 meeting.

As discussed in Enclosure 2, the BOP review determined that the only plant modification required to support operation at the uprated conditions is a minor change for the Unit 2 main feedwater regulating valve internals to provide operational flexibility at the uprated conditions.

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Mr. Harold R. Denton
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VIRGINIA POWER

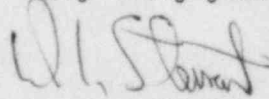
The large break LOCA analysis for the most limiting case reported in Enclosure 1 incorporates the revised Westinghouse procedure for accurate treatment of core flooding rate during reflood. Westinghouse informed the NRC of the details associated with this input methodology change via the March 22, 1985 letter from E. P. Rahe to D. G. Eisenhut (No. NS-NRC-85-3025).

This request has been reviewed and approved by the Station Nuclear Safety and Operating Committee and the Safety Evaluation and Control staff. It has been determined that this request does not involve any unreviewed safety questions as defined in 10CFR50.59 or a significant hazards consideration as defined in 10CFR50.92.

We have evaluated this request in accordance with the criteria in 10CFR170.12. A voucher check in the amount of \$150 is enclosed as an application fee.

We would like to implement the core uprating during the next refueling outages. We request that your review and approval be completed by December 1, 1985. Please contact us if you need additional information to review this submittal.

Very truly yours,


W. L. Stewart

Enclosures

- (1) NSSS Safety Evaluation for 2910 MWt NSSS Rating
- (2) BOP Safety Evaluation for 2910 MWt NSSS Rating
- (3) Proposed Technical Specification Changes
- (4) Response to NRC Comments and Questions
- (5) Voucher Check for \$150

cc: Dr. J. Nelson Grace
Regional Administrator
Region II
Atlanta, GA 30323

Mr. Charles Price
Department of Health
109 Governor Street
Richmond, Virginia 23219

Mr. Leon B. Engle
NRC Project Manager - North Anna
Operating Reactors Branch No. 3
Division of Licensing

Mr. M. W. Branch
NRC Resident Inspector
North Anna Power Station

COMMONWEALTH OF VIRGINIA)
)
CITY OF RICHMOND)

The foregoing document was acknowledged before me, in and for the City and Commonwealth aforesaid, today by W. L. Stewart who is Vice President - Nuclear Operations, of Virginia Power. He is duly authorized to execute and file the foregoing document in behalf of that Company, and the statements in the document are true to the best of his knowledge and belief.

Acknowledged before me this 2 day of May, 19 85.

My Commission expires: February 10, 19 89.

Paul J. McNamee
Notary Public

(SEAL)

S/001

REQUEST TO CHANGE TECHNICAL SPECIFICATION
NORTH ANNA POWER STATION
VIRGINIA ELECTRIC AND POWER COMPANY

| | | | |
|--|-------------|---------------------------------|----|
| TO: Director Safety Evaluation and Control | 1 | Request No. | 2 |
| Ms. N. E. Clark | | 126/118 | |
| Number of Technical Specification to be changed: | | | 3 |
| Reference Attachment 1 | | | |
| Requested Change: (Please attach a marked up copy of the Tech. Spec. basis to be revised) | | | 4 |
| Reference Attachment 1 | | | |
| * As reassessed following Westinghouse revised input per RWCALDER memo to NE Clark dated 4/17/85 | | | |
| Reason for Change: Attached Technical Specification changes are required to support a NSSS uprating to 2905 MWT. Reference attached copy of the Core Uprating Licensing Submittal. | | | 5 |
| Person responsible for written safety evaluation: | | | 6 |
| Stone & Webster (BOP), Westinghouse (NSSS) & Virginia Power (G. L. Darden & W. B. Rodill) | | | |
| Submitted By: <u>W. B. Rodill</u> <u>G. L. Darden</u> | 7 | Authorized By: <u>M. Calder</u> | 8 |
| Date: 1-31-85 | 1/31/85 | Date: 1/31/85 | |
| Reviewed By: <u>Director Safety Evaluation and Control</u> | 9 | Date: <u>2/1/85</u> | 10 |
| Reviewed by Vice President Nuclear Operations: | | | 11 |
| Recommended Action: <u>Approved</u> | Disapproved | Approved as Modified | |
| Signature: <u>W. B. Rodill</u> | | Date: <u>2/7/85</u> | |
| Remarks: | | | |
| Reviewed by Station Nuclear Safety and Operating Committee | | | 12 |
| Recommended Action: <u>Approved</u> | Disapproved | Approved as modified | |
| Chairman's Signature: | | Date: | |
| Reviewed By: Safety Evaluation and Control Staff: | | | 13 |
| Recommended Action: <u>Approved</u> | Disapproved | Approved as modified | |
| Director's Signature: <u>DB Rodill for N. E. Clark</u> | | Date: <u>3-18-85</u> | |
| Request Forwarded to NRC: | | | 14 |
| Date of Letter: | | Serial No.: | |
| Response from NRC: | | | 15 |
| Approved | Disapproved | Approved as modified | |
| Date of Letter: | | | |
| Change distributed to holders of the Technical Specification: | | | 16 |
| Tech. Spec. Change No.: | | Date of Distribution: | |
| Amendment No.: | | | |
| Acknowledged Complete By: Director-Safety Evaluation and Control | 17 | Date: | 18 |