

August 5, 1986

Docket Nos. 50-338
and 50-339

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Mr. W. L. Stewart
Vice President - Nuclear Operations
Virginia Electric and Power Company
Post Office Box 26666
Richmond, Virginia 23261

Dear Mr. Stewart:

SUBJECT: NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT
IMPACT RELATING TO UPGRADE OF RATED CORE POWER

Enclosed is a copy of a "Notice of Environmental Assessment and Finding of No Significant Impact" for your information. This notice relates to your letters dated May 2, 1985, February 6, April 30, June 4, and July 3, 1986 regarding your application for amendments to increase the presently rated core power level of 2775 megawatts thermal (Mwt) to 2893 Mwt.

The notice is being forwarded to the Office of the Federal Register for publication.

Sincerely,

/s/

Leon B. Engle, Project Manager
PWR Project Directorate No. 2
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation

Enclosure:
As stated

cc w/enclosure:
See next page

LA: PAD#2
DMiller
7/29/86

PM: PAD#2
LEngle
7/29/86

D: PAD#2
LRubenstein
7/28/86

OGC
7/31/86

*No objection
with change
to assessment*

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PDR ADOCK 05000338
P PDR

Mr. W. L. Stewart
Virginia Electric & Power Company

North Anna Power Station
Units 1 and 2

cc:

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UNITED STATES NUCLEAR REGULATORY COMMISSION
VIRGINIA ELECTRIC AND POWER COMPANY AND
OLD DOMINION ELECTRIC COOPERATIVE
NORTH ANNA POWER STATION, UNITS NO. 1 AND 2
DOCKET NOS. 50-338 AND 50-339
NOTICE OF ENVIRONMENTAL ASSESSMENT AND
FINDING OF NO SIGNIFICANT IMPACT

The U.S. Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating Licenses No. NPF-4 and No. NPF-7 issued to Virginia Electric and Power Company and Old Dominion Electric Cooperative (the licensee), for operation of North Anna Power Station, Units No. 1 and 2, located in Louisa County, Virginia.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

This Environmental Assessment is written in connection with the proposed core uprate for the North Anna Power Station, Units No. 1 and 2 (NA-1&2) in response to the licensee's application for amendments dated May 2, 1985, as supplemented February 6, April 30, June 4 and July 3, 1986. The proposed action would upgrade the rated core power level for NA-1&2 from the current level of 2775 Megawatts-thermal (Mwt) to 2893 Mwt, and upgrade the Nuclear Steam Supply (NSSS) thermal power from the current level of 2787 Mwt to 2905 Mwt. This uprate would represent an increase of approximately 4.5 percent over the current rated core power and NSSS thermal power.

The Need for the Proposed Action:

The proposed action would increase the electrical output for each unit by 32 Megawatts-electrical (MWe) and thus provide additional electric power to the grid which services the rapidly expanding commercial and domestic areas in the State of Virginia.

Environmental Impacts of the Proposed Action:

A slight change in environmental impact can be expected for the proposed increase in power. The proposed core uprating is projected to increase the rejected heat by approximately 4.5 percent. However, the Environmental Report (Appendix K) and the NRC approved Final Environmental Impact Statement (FEIS), as amended, have already addressed plant operation up to a stretch NSSS power rating of 2910 Mwt. Thus, the 4.5 percent increase in rejected heat has already been evaluated and determined to not significantly impact on the quality of the human environment. Also, the proposed increase in the NSSS power (2905 Mwt) involves no significant change in types or significant increase in the amount of any effluents that may be released offsite which has not already been evaluated and approved in the FEIS (as amended) for a NSSS power rating of 2910 Mwt. Similarly, as enveloped by the FEIS (as amended), there would be no significant increase in individual or cumulative occupational radiation exposure.

Alternatives to the Proposed Action:

The principal alternative to the proposed action would be to deny the requested amendments. This alternative would be in contradiction to the fact that the NA-1&2 Environmental Report and the the NRC approved Final Environmental Impact Statements (FEIS), as amended, have already addressed operation up to a stretch power rating of 2910 Mwt.

Alternative Use of Resources:

This action does not involve the use of resources not considered previously in the Final Environmental Statement for North Anna Power Station, Units No. 1 and 2, as amended.

Agencies and Persons Consulted

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

Finding of No Significant Impact

The Commission has determined not to prepare an environmental impact statement for the proposed amendments. Based upon the foregoing environmental assessment, the NRC staff concludes that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the request for amendments dated May 2, 1985, as supplemented February 6, April 30, June 4, and July 3, 1986, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Board of Supervisors Office, Louisa County Courthouse, Louisa, Virginia 23093, and the Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia 22901.

Dated at Bethesda, Maryland, this 5th day of August, 1986.

FOR THE NUCLEAR REGULATORY COMMISSION



Lester S. Rubenstein, Director
PWR Project Directorate No. 2
Division of PWR Licensing-A
Office of Nuclear Reactor Regulation