APR 1 9 1977

Dist:
Docket 50-338 & 50-339
PDR
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Docket Nos. 50-338
and 50-339

Virginia Electric & Power Company
ATTN: Mr. W. L. Proffitt
Senior Vice President - Power
P. O. Box 26666
Richmond, Virginia 23261

Gentlemen:

SUBJECT: ORDER EXTENDING CONSTRUCTION COMPLETION DATES FOR NORTH ANNA POWER STATION, UNITS 1 AND 2

In response to your requests, dated January 7, 1977 and February 15, 1977, the Nuclear Regulatory Commission has issued an Order extending the construction completion dates for the North Anna Nuclear Power Station, Units 1 and 2. The latest construction completion dates have been extended for Unit 1 from March 1, 1977 to September 1, 1977 and for Unit 2 from May 1, 1978 to November 1, 1978.

A copy of the Order, Staff Evaluation, Negative Declaration and Environmental Impact Appraisal, are enclosed for your information. The Order, Negative Declaration and the Environmental Impact Appraisal have been forwarded to the Office of the Federal Register for publication.

Sincerely,

/S/

Olan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

Enclosures:
1. Order
2. Staff Evaluation
3. Negative Declaration
4. Environmental Impact Appraisal

bcc: TIC
NSIC
ASLAB
ASLBP

cc w/enclosures:
see next page

Const. 3
GD

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DATE ➤	3/14/77	3/ /77	3/ /77	3/ /77		

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VIRGINIA ELECTRIC & POWER COMPANY

NORTH ANNA POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-338 AND 50-339

ORDER EXTENDING CONSTRUCTION COMPLETION DATES

Virginia Electric & Power Company is the holder of Construction Permits No. CPPR-77 and CPPR-78 issued by the Atomic Energy Commission* on February 19, 1971, for the construction of the North Anna Power Station, Units 1 and 2, presently under construction at the Company's site in Louisa County, Virginia.

On January 7, 1977 and February 15, 1977 the company filed letters requesting an extension of the latest construction completion dates because construction has been delayed due to (1) labor difficulties including a strike, (2) resolution of a problem concerning residual oxide in the stainless steel piping, and (3) additional system and design requirements. This action involves no significant hazards consideration; good cause has been shown for the delay; and the requested extension is for a reasonable period, the bases for which are set forth in the staff evaluation, dated

Copies of the above documents and other related material are available for public inspection at the Commission's Public Document Room, 1717 H Street, N. W., Washington, D. C. 20555 and at the local public document rooms established for the North Anna facility in the Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia 22901 and County Adminstrator's Office, Board of Supervisors, Louisa County Courthouse, Louisa, Virginia 23093.

*Effective January 20, 1975, the Atomic Energy Commission became the Nuclear Regulatory Commission and permits in effects on that day continued under the authority of the Nuclear Regulatory Commission.

IT IS HEREBY ORDERED THAT THE latest completion dates for CPPR-77 and CPPR-78 are extended from March 1, 1977 and May 1, 1978, respectively to September 1, 1977 and November 1, 1978, respectively.

FOR THE NUCLEAR REGULATORY COMMISSION

Olan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

DATE OF ISSUANCE: APR 1 9 1977

EVALUATION OF REQUEST FOR EXTENSION OF

CONSTRUCTION PERMITS NOS. CPPR-77 AND CPPR-78

FOR THE NORTH ANNA POWER STATION, UNITS 1 AND 2

DOCKET NOS. 50-338 AND 50-339

INTRODUCTION

On January 7, 1977 the Virginia Electric and Power Company filed a request for an extension of the latest construction completion dates for Construction Permits CPPR-77 and CPPR-78 issued for the North Anna Power Station, Units 1 and 2, respectively. By letter, dated January 26, 1977, we requested additional information concerning the details relating to this delay. Virginia Electric and Power Company replied on February 15, 1977 with the nature and cause of slippage and the time interval involved.

DISCUSSION

Construction Permits CPPR-77 and CPPR-78 were issued on February 19, 1971 and were last modified on April 15, 1975 by the Commission's Order which extended the latest construction completion dates to March 1, 1977 and May 1, 1978 for Units 1 and 2, respectively.

In their application for extension Virginia Electric and Power Company indicated that there had been three major contributing factors to the delay in completion of the construction activities. The first of these reasons was labor difficulties during the period from April 4, 1975 to June 16, 1975, delaying the assembly of the reactor coolant pumps and their supports and alignment of the steam generators and their related supports. Completion of these activities restrained erection of the reactor coolant loop piping.

Also, labor activities were unexpectedly curtailed for 2 weeks each during the Holiday seasons in December 1975 and 1976.

Additional labor problems arose when the painters were on a strike from April 1, 1976 to July 6, 1976. During this period, the strike prevented sandblasting and painting of steel components prior to their installation in the reactor containment. This resulted in a delay of approximately 3 months.

The second source of delay was attributed to a problem of residual oxide in select stainless steel piping. From January through June 1976, approximately 40 spool pieces of large bore stainless steel piping were removed, shipped to the fabricator for processing and returned and reinstalled. Completion of this effort restrained final system release and testing requisite for cold hydrostatic testing. This resulted in a delay of approximately 6 months.

The third reason causing 32 weeks delay was attributed to additional system and design requirements. The items that contributed to significant delays were the fabrication and installation of high energy whip restraints, installation of a condensate polishing system, construction of an added Security Control Center Building and associated electrical equipment, additional requirements to heat the steam generator supports, design and installation required to support hot functional testing, and the requirement for weld preparation to support pre-service and in-service inspection, which resulted in many weld non-conformities, and the identification, disposition and resolution of these non-conformities.

The staff has reviewed the delaying factors indicated by the applicant, and concurs that these factors contributed to unexpected delays in the amounts specified, for a total of over 18 months delay.

On the basis of our review, we have determined that the Virginia Electric and Power Company has been able to make up for some of the delay and now expects to complete construction 6 months later than previously predicted.

CONCLUSION

We have reviewed the information provided in Virginia Electric and Power Company's submittal, and we conclude that the factors discussed above are reasonable and constitute good cause for delay; and that the requested extension of Construction Permits CPPR-77 for 6 months to September 1, 1977 and CPPR-78 for 6 months to November 1, 1978, is justified.

As a result of our review of the Final Safety Analysis Report to date, and considering the nature of the delays, we have identified no areas of significant safety considerations in connection with the extension of the construction completion dates for North Anna Power Station, Units 1 and 2.

The staff finds that because the request is solely for more time to complete work already reviewed and approved, no significant hazards consideration is involved in granting the request and thus prior public notice of this action is not required. We also find that good cause exists for the issuance of an Order extending the construction completion dates.

Accordingly, issuance of an Order extending the latest construction completion dates for the North Anna Power Station, Units 1 and 2 as set forth in CPPR-77 and CPPR-78, to September 1, 1977 and November 1, 1978, respectively, is reasonable and should be authorized.

Alexander W. Dromerick

Alexander W. Dromerick, Project Manager
Light Water Reactors Branch No. 3
Division of Project Management

Olan D. Parr

Olan D. Parr, Chief
Light Water Reactors Branch No. 3
Division of Project Management

Dated: APR 1 9 1977

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

NEGATIVE DECLARATION

SUPPORTING ORDER RELATING TO THE EXTENSION OF

DATES FOR COMPLETION OF CONSTRUCTION

NORTH ANNA POWER STATION,

UNITS NOS. 1 (CPPR-77) AND 2 (CPPR-78)

DOCKET NOS. 50-338, 50-339

The U.S. Nuclear Regulatory Commission (the Commission) has reviewed the Order relating to the construction permits for the North Anna Power Station, Unit 1 (CPPR-77) and Unit 2 (CPPR-78), located in Louisa County, Virginia, issued to Virginia Electric and Power Company. The Order would authorize the extension for six months of the dates for completion of construction of Units Nos. 1 and 2.

The Commission's Division of Site Safety and Environmental Analysis has prepared an environmental impact appraisal for the Order and has concluded that an environmental impact statement for this particular action is not warranted because there will be no environmental impact attributable to the Order other than that which has already been predicted and described in the Commission's Final Environmental Statement for North Anna Power Station,

Units Nos. 1, 2, 3 and 4, published in April 1973 and the addendum to the Final Environmental Statement published in November 1976.

The environmental impact appraisal 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, Louisa County Courthouse, Louisa, Virginia 23093 and Alderman Library, Manuscripts Department, University of Virginia, Charlottesville, Virginia 22901. A copy may be obtained upon request addressed to the U.S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Site Safety and Environmental Analysis.

Dated at Rockville, Maryland, this 19th day of April, 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

William H. Regan, Chief
Environmental Projects Branch No. 2
Division of Site Safety and
Environmental Analysis

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

ENVIRONMENTAL IMPACT APPRAISAL

BY THE DIVISION OF SITE SAFETY AND ENVIRONMENTAL ANALYSIS

SUPPORTING AN ORDER RELATING TO THE EXTENSION OF

DATES FOR COMPLETION OF CONSTRUCTION

NORTH ANNA POWER STATION, UNITS NOS. 1 (CPPR-77) AND 2 (CPPR-78)

DOCKET NOS. 50-338, 50-339

1. Description of Proposed Action

The action proposed is the issuance of an ORDER pertaining to the North Anna Power Station, Unit 1 (CPPR-77) and Unit 2 (CPPR-78), issued on February 19, 1971, providing for the extension for six months of the latest dates for completion of these units.

2. The request dated January 7, 1977, as amended on February 15, 1977, relates to an extension of the construction completion dates of Units Nos. 1 and 2 by six months (for Unit 1 from March 1, 1977 to September 1, 1977; and for Unit 2 from May 1, 1978 to November 1, 1978). The NRC staff has reviewed the application and found that good cause has been shown for extension of the construction completion dates of Units 1 and 2 by six months (see attached Safety Evaluation by the NRC staff).

The environmental impacts associated with construction of Units 1 and 2 have previously been addressed in the NRC staff's FES and FES Addendum and determined by the Atomic Safety and Licensing Board in its partial initial decision (P.I.D.) dated October 30, 1974 (LBP-74-39) and Initial Decision (I.D.) dated December 5, 1975 (LBP-75-70). The only environmental impact possibly resulting from the requested extension would be that due to shifting the impacts in time or adding six months to the total time the area is subjected to temporary construction impacts. The environmental impacts associated with construction, other than those involving community impacts, are not affected by the proposed extension.

No significant community impact associated with the construction effort was previously identified. (FES Section 4.4, pp. 4-20 and 4-21). If a simple six-month shift in the project is assumed, then there would be no change in effect. Thus, no significant change in impact, as previously evaluated, is expected to result from the six-month delay.

3. Conclusion and Basis for Negative Declaration

On the basis of the foregoing analysis and the NRC staff evaluation, it is concluded that there will be no environmental impact attributable to the proposed action other than that already predicted and described in the Commission's FES issued in March 1974, the Board's Initial Decision and the Commission's FES Addendum issued in November 1976. Having made this conclusion, the Commission has further concluded that no environmental impact statement for the proposed action need be prepared, and that a negative declaration to this effect is appropriate.

Dated April 19, 1977