



LA 81-267

Westinghouse
Electric Corporation

Water Reactor
Divisions

Box 355
Pittsburgh Pennsylvania 15230

December 18, 1981



U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Licensing

Attention: Mr. James R. Miller, Chief
Standardization and Special Projects Branch

Gentlemen:

Subject: Application for Renewal of Licenses R-119 for the
Zion Nuclear Training Reactor (Docket 50-87)

The Westinghouse Electric Corporation hereby submits this application for renewal of License R-119 (Docket 50-87) for the Westinghouse Nuclear Training Reactor located at Zion, Illinois. In accordance with the provisions of 10CFR50.33 and 10CFR50.34, the attached document provides the necessary general and technical information to support this application for renewal. This document replaces in its entirety the previous license application submitted September 24, 1970 as revised.

The Final Safety Analysis Report included in Section III of the attachment has been updated to include current required information and reflect facility operations utilizing a graphite reflected core which permits operation with a reduced SNM inventory.

An evaluation of the twenty-four (24) element, graphite-reflected core was performed which concluded that the change to this core configuration did not involve a significant safety issue. This evaluation was submitted to the NRC by letter dated March 19, 1981 with additional information submitted August 25, 1981. Your letter dated September 28, 1981 concurred with our conclusion.

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The evaluation of the graphite-reflected core produced no results or conclusions that require a change of a technical nature to the existing Technical Specifications for the facility. The proposed Technical Specifications included in Appendix A of Section III have been changed only to reflect the reduced SNM inventory and current regulatory nomenclature.

The maximum credible accident analysis presented in Chapter 7 of Section III has not been changed because the analysis conservatively evaluates the present core configuration.

Additional information on the technical and financial qualifications of the Westinghouse Electric Corporation to engage in the activities described is presented in a letter dated December 2, 1981, "Corporate Information for Licenses" from A. J. Nardi to Mr. John G. Davis and Mr. Harold R. Denton.

If you have any questions concerning this application for license renewal please call me at (412) 373-4652.

Very truly yours,



A. J. Nardi, Manager
NES License Administration

AJN/dr


Attachment

Copies Transmitted: 3 notarized & 19 conformed

COMMONWEALTH OF PENNSYLVANIA)
COUNTY OF ALLEGHENY) ss

Sworn and subscribed before me this

18 day of December, 1981



Notary Public

My Commission Expires

Notary Public, County of Allegheny
My Commission Expires Apr 15, 1987
Member, Pennsylvania Association of Notaries