



Westinghouse
Electric Corporation

Water Reactor
Divisions

Nuclear Technology Division

Box 355
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September 23, 1983

NS-EPR-2818

Project No. 668

Mr. Darrell G. Eisenhut, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland 20014

SUBJECT: Westinghouse Advanced Pressurized Water Reactor Pretendering
Module No. 8 - Integrated Control and Protection System

REF: 1. Westinghouse letter (NS-EPR-2675) dated November 1, 1982,
E. P. Rahe, Jr. to F. J. Miraglia, Jr.

2. Westinghouse letter (NS-EPR-2590) dated June 7, 1982,
E. P. Rahe, Jr. to W. J. Dircks

3. NRC letter dated July 14, 1982, H. R. Denton to
E. P. Rahe, Jr.

Dear Mr. Eisenhut:

Enclosed are thirty-five (35) copies of a Westinghouse proprietary document entitled, "WAPWR Pretendering Module 8 - Integrated Control and Protection System." This document supplements the previous submitted material (see Reference 1).

Also enclosed is one (1) copy of an Application for Withholding Proprietary Information from Public Disclosure, AW-83-71 (Non-Proprietary).

Westinghouse is in the process of developing an Advanced Pressurized Water Reactor (WAPWR) design for domestic as well as international application in the late 1980's-1990's time frame. This total plant design is being developed through a major cooperative effort with a Japanese vendor and is directed toward the establishment of final design detail and completion of an extensive test program by the end of 1985.

In regard to domestic licensing of this design, Westinghouse intends to apply for final one-step licensing certification based upon final design approval with rulemaking completed in 1987. As an interim step, preliminary design approval is targeted for 1985.

The overall WAPWR licensing program was briefly outlined in Reference 2. In response to Reference 1, NRR has agreed to support the WAPWR review (see Reference 3).

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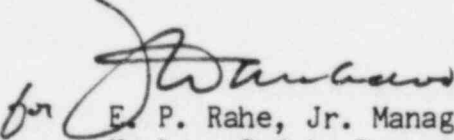
The material provided for the Integrated Control and Protection System consists of: 1) a description of the system functions, 2) a description of the design basis, and 3) a detailed system description.

This module is the eighth of a series of modules to be submitted through 1983. The purpose of these modules is to: 1) provide WAPWR design detail, 2) establish SAR documentation requirements, and 3) reflect licensing control document commitments in order to obtain NRC agreement with design basis and to obtain NRC feedback on design options.

The enclosed material is submitted for your information and is to be treated as proprietary information of Westinghouse Electric Corporation. The information will be separately resubmitted in whole in conformance with the requirements of 10CFR2.790 should it be employed as part of a license application or other action identified in 10CFR2.790(a).

Correspondence with respect to the application for withholding should reference AW-83-71 and should be addressed to R. A. Wiesemann, Manager of Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania 15230.

Very truly yours,


for E. P. Rahe, Jr. Manager
Nuclear Safety Department

MDB/kk
Enclosures

cc: H. R. Denton (NRC)
R. Mattson (NRC)
F. R. Miraglia, Jr. (NRC)
C. Thomas (NRC)
G. C. Meyer (NRC)