



Westinghouse
Electric Corporation

Water Reactor
Divisions

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NS-NRC-86-3097
January 8, 1985

Mr. Herbert N. Berkow, Director
Standardization and Special Projects Directorate
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

SUBJECT: Transmittal of WCAP-10967, "Evaluation of the Westinghouse BWR Core Monitoring System" (Non-Proprietary), for Informational Purposes Only

ATTENTION: Harold Bernard, Projects Manager
Division of PWR Licensing - B

Dear Mr. Berkow:

Enclosed are:

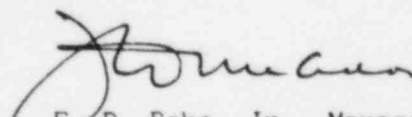
1. Three (3) copies of WCAP-10967, "Evaluation of the Westinghouse BWR Core Monitoring System" (Non-Proprietary).

The Westinghouse BWR core monitoring system is called the COMPUS or Core Online Monitoring POLCA and UPDAT Software system. The primary components of the system are the POLCA code, a state-of-the-art 3D BWR nodal simulator, and the UPDAT code which adjusts POLCA power profiles using in-core LPRM and tip measurements to determine core thermal limits. The COMPUS system is based on the POLCA-UPDAT BWR core monitoring system developed by ASEA-ATOM and used for many years in AA BWR's.

The enclosed topical is being submitted for informational purposes only. The Core Monitoring System in a BWR is a non-safety system and therefore, formal review is not required. The results of the uncertainty analysis in this document will be factored into the Westinghouse Thermal Analysis Basis Topical which will be submitted for formal review.

Very truly yours,

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PDR TOPRP EMVWEST
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for 
E. P. Rahe, Jr., Manager
Nuclear Safety Department

WMS/kk
Enclosures

cc: F. Miralgia, (USNRC) Director - PWR Licensing - B
R. Bernero, (USNRC) Director - EWR Licensing

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