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

SEP 12 1979

POOR ORIGINAL

Mr. Thomas M. Anderson, Manager
Nuclear Safety Department
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Dear Mr. Anderson:

SUBJECT: SAFETY EVALUATION OF WCAP-9485

The staff of the Nuclear Regulatory Commission has completed its review of the Westinghouse Electric Corporation topical report WCAP-9485 (Proprietary) entitled "PALADON - Westinghouse Nodal Computer Code" submitted April 6, 1979. WCAP-9486 is the non-proprietary version of WCAP-9485. A summary of our safety evaluation is enclosed.

As a result of its review, the staff has concluded that WCAP-9485 acceptably qualifies the PALADON Code for calculations of isothermal temperature coefficients, control rod bank worths, fuel assembly powers, critical boron concentrations, dropped control rod bank peaking factors, dropped single rod peaking factors, and N-1 rod worth. Accordingly, topical report WCAP-9485 is acceptable for reference in license applications to identify the PALADON Code as an acceptable method for calculating these quantities. WCAP-9485 contains insufficient information to qualify PALADON Code for calculations of axial or three-dimensional power distributions or for calculations of xenon transients.

Topical report WCAP-9486 is an acceptable non-proprietary version of WCAP-9485. When either WCAP-9485 or WCAP-9486 is desired to be used as a reference, both the proprietary version and the non-proprietary version must be referenced.

In accordance with established procedure, it is requested that Westinghouse issue a revised version of these reports within three months of receipt of this letter to include the NRC acceptance letter, the enclosed evaluation, and any changes resulting from the review.

We do not intend to repeat our review of these reports when they appear as references in a particular license application except to assure that the material presented in these reports is applicable to the specific plant involved.

Should Nuclear Regulatory Commission criteria or regulations change, such that our conclusions concerning these reports are invalidated, you will be notified and given an opportunity to revise and resubmit your topical reports, should you so desire.

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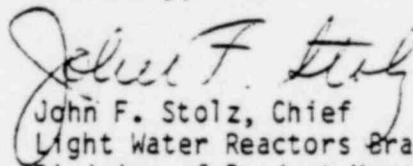
Mr. Thomas M. Anderson

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A fee for our review of WCAP-9485 will be determined by the Commission in accordance with 10 CFR 170 "Fees for Facilities and Materials Licenses and other Regulatory services under the Atomic Energy Act of 1954, as Amended." You will be billed separately for this fee.

Sincerely,



John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management

Enclosure:
Evaluation of Topical Report

cc: Mr. D. Rawlins
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

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