



Westinghouse
Electric Corporation

Power Systems

Box 355
Pittsburgh Pennsylvania 15230-0355

May 2, 1988
NS-NRC-88-3332

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555

ATTN: Mr. Marvin W. Hodges, Reactor Systems Branch Chief
Division of Engineering & System Technology

SUBJECT: Review of Topical WCAP-11837, "Extension of Methodology for
Calculating Transition Core DNBR Penalties", May, 1988
(Proprietary)

REFERENCES: 1) WCAP-9500-A, "Reference Core Report 17x17 Optimized
Fuel Assembly", May, 1982.
2) WCAP-10444-P-A, "VANTAGE 5 Fuel Assembly Reference
Core Report", September 1985.

Dear Mr. Hodges:

Enclosed are:

Twenty-five (25) copies of the Westinghouse Topical Report, "Revised
Methodology for Calculating Transition Core Penalties, "WCAP-11837"
(Proprietary).

The enclosed Topical is being submitted to extend the existing
methodology contained in References 1 and 2 for applying DNBR
penalties to transition cores (e.g., Standard to OFA, Standard to
VANTAGE 5, OFA to VANTAGE 5, etc.). Although Union Electric Company
will elect to submit under their docket a request for approval to use
the enclosed new methodology for application to the Callaway Cycle 4
reload design (Cycle 4 projected criticality in May-June, 1989), it is
requested that a timely review be performed to permit generic approval
for Westinghouse application in the near future.

This submittal contains Westinghouse proprietary information of trade
secrets, commercial, or financial information which we consider
privileged or confidential pursuant to 10CFR9.5 (4). Therefore, it
is requested that the Westinghouse proprietary information attached
hereto be handled on a confidential basis and be withheld from public
disclosure.

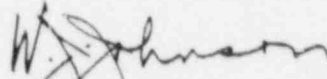
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This material is for your internal use only and may be used for the purpose for which it is submitted. It should not be otherwise used, disclosed, duplicated, or disseminated, in whole or in part, to any other person or organization outside the Office of Nuclear Reactor Regulation without the express written approval of Westinghouse. Correspondence with respect to the Application for Withholding should reference AW-88-040, and should be addressed to R. A. Wieseemann, Manager of Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

*Pursuant to the requirements of 10CFR170.12(c) we have enclosed an application fee of \$150.00.

Very truly yours,



W. D. Johnson, Manager
Nuclear Safety Department

/mlt

*Please note that \$150.00 application fee was sent under separate cover, to the Division of Accounting and Finance, Westinghouse Electric Corporation check number 879232 dated April 29, 1988.