



Commonwealth Edison

One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

May 5, 1982



Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Station Units 1 and 2
Braidwood Station Units 1 and 2
Improved Thermal Design Procedures
NRC Docket Nos. 50-454, 50-455,
50-456 and 50-457

Dear Mr. Denton:

This is to provide information regarding the application of the Westinghouse Improved Thermal Design Procedure at the Byron and Braidwood plants. The review of this information should close Outstanding Item 8 of the Byron Safety Evaluation Report.

In the Safety Evaluation Report on WCAP-9500, "Reference Core Report 17x17 Optimized Fuel Assembly", the staff required those plants using the Improved Thermal Design Procedure (ITDP) to provide additional information on the plant specific application of the ITDP. Enclosed is the Westinghouse response for Byron/Braidwood. The generic response related to ITDP was provided by Westinghouse letter NS-EPR-2577, Rahe to Berlinger, March 31, 1982. This completes the set of responses to ITDP for Byron/Braidwood.

This submittal contains proprietary information of Westinghouse Electric Corporation. In conformance with the requirements of 10 CFR Section 2.790, as amended, of the Commission's regulations, we are enclosing with this submittal an application for withholding from public disclosure by the Commission.

Correspondence with respect to the affidavit or application for withholding should reference CAW-82-15 and should be addressed to R. A. Wieseemann, Manager, Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Penn. 15230.

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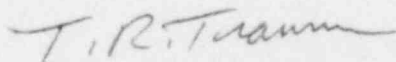
Enclosed for your use are:

1. Fifteen copies of this letter.
2. Three copies of the Westinghouse response to NRC questions on Improved Thermal Design Procedures for Byron/Braidwood (Proprietary).
3. Fifteen copies of the Westinghouse response to NRC questions on Improved Thermal Design Procedures for Byron/Braidwood (Non-Proprietary).
4. One signed original and fifteen copies of the Application for Withholding, CAW-82-15 (Non-Proprietary).
5. One signed original and fifteen copies of the Affidavit (Non-Proprietary).

The nonproprietary portions of the enclosed technical information will be incorporated into the FSAR at the earliest opportunity.

Please address further questions regarding the technical details of this matter to this office.

Very truly yours,



T. R. Tramm
Nuclear Licensing Administrator

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Enclosures

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