



Commonwealth Edison

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Address Reply to: Post Office Box 767
Chicago, Illinois 60690

July 17, 1980
OG-36

Mr. James R. Miller, Chief
Special Projects Branch
Division of Project Management
U. S. Nuclear Regulatory Commission
Phillips Building
7920 Norfolk Avenue
Bethesda, Maryland 20014

Dear Mr. Miller:

Enclosed are:

1. Forty (40) copies of WCAP-9753 (Proprietary).
2. Twenty (20) copies of WCAP-9754 (Non-Proprietary).

Both reports are entitled "Inadequate Core Cooling Studies of Scenarios with Feedwater Available, Using the NOTRUMP Computer Code."

3. Fifty (50) copies of WCAP-9744 entitled "Loss of Feedwater Induced Loss of Coolant Accident Analysis Report."

Also enclosed are:

1. One (1) copy of Application for Withholding Proprietary Information from Public Disclosure, CAW-80-38 (Non-Proprietary).
2. One (1) copy of Affidavit, AW-77-18 (Non-Proprietary).

The enclosed reports, undertaken pro-actively by the Westinghouse Owners Group, represent a more comprehensive study of Inadequate Core Cooling (ICC) and scenarios for ICC, as set forth in NUREG-0578 Item 2.1.9, than the previously submitted report on October 31, 1979. In addition to the approach to ICC conditions, these reports present the analyses of several techniques for core recovery.

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Specifically, WCAP's 9753 (Proprietary) and 9754 (Non-Proprietary) are analyses of small break loss of coolant accidents where feedwater is maintained. These analyses were performed using the NOTRUMP Computer Code which was utilized in a better estimate mode.

The third report (WCAP-9744) is a study of loss of heat sink transients which can lead to inadequate core cooling. These analyses were performed using the W-FLASH Computer Code to determine when operator action is necessary to recover successfully from a loss of heat sink event and thereby prevent ICC conditions from developing.

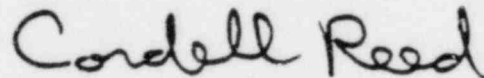
The combination of these reports will provide an analytical basis for the development of guidelines for the detection of and recovery from inadequate core cooling.

This submittal contains proprietary information. In conformance with the requirement of 10CFR Section 2.790, as amended, of the Commission's regulations, we are enclosing with this submittal an application for withholding from public disclosure and an affidavit. The affidavit identifies the information sought to be withheld and sets forth the basis on which the information may be withheld from public disclosure by the Commission.

We expect that the non-proprietary WCAP's 9754 and 9744 will be placed in the Public Document Room and identified as Westinghouse topical reports.

Correspondence with respect to the Westinghouse affidavit or application for withholding should reference CAW-80-38 and should be addressed to: R. A. Wiesemann, Manager, Regulatory and Legislative Affairs, Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania 15230.

Very truly yours,



Cordell Reed, Acting Chairman
Westinghouse Owners Group

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Enclosures