



Westinghouse
Electric Corporation

Energy Systems

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ET-NRC-93-3891
NSRA-APSL-93-0185
Docket No.: STN-52-003

May 20, 1993

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

ATTENTION: MR. R. W. BORCHARDT

SUBJECT: AP600 PROTECTION SYSTEM FAILURE MODES AND EFFECTS ANALYSIS
(WCAP-13594 AND WCAP-13662)

Dear Mr. Borchardt:

Enclosed are copies of two Westinghouse reports documenting the failure modes and effects analysis performed on the AP600 protection system. The enclosure includes:

1. WCAP-13594, "Advanced Passive Plant Protection System FMEA", Revision 0, April 1993, (Proprietary),
2. WCAP-13662, "Advanced Passive Plant Protection System FMEA", Revision 0, April 1993, (Non-proprietary).

The failure modes and effects analysis was performed in response to NRC RAI 420.2.

One copy of WCAP-13594 and three copies of WCAP-13622 are enclosed. Ten copies of WCAP-13594 have been included with Rick Hasselberg's copy of this letter. The Westinghouse Electric Corporation copyright notice, proprietary information notice, application for withholding and affidavit are also attached.

This submittal contains Westinghouse proprietary information consisting of trade secrets, commercial information or financial information which we consider privileged or confidential pursuant to 10CFR2.790. Therefore, it is requested that the Westinghouse proprietary information attached hereto be handled on a confidential basis and be withheld from public disclosures.

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 Commission, the Office of Nuclear Reactor Regulation or the Office of Nuclear Regulatory Research without the express written approval of Westinghouse.

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Correspondence with respect to the application for withholding should reference AW-93-476, and should be addressed to N. J. Liparulo, Manager of Nuclear Safety And Regulatory Activities, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania, 15230-0355.

Please contact Andrea Sterdis on (412) 374-5292 if you have any questions concerning this transmittal.



N. J. Liparulo, Manager
Nuclear Safety & Regulatory Activities

/nja

Enclosures
Attachments

cc: T. Kenyon, NRC (w/o Enclosures/Attachments)
R. Hasselberg, NRC (10 Enclosures, 1 Attachment)
B. A. McIntyre, Westinghouse (w/o Enclosures/Attachments)