



Commonwealth Edison

1400 Opus Place
Downers Grove, Illinois 60515

February 7, 1995

U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Probability of Detection Versus Voltage Correlation
Report and Final WCAP Regarding
Application for Increase in
Interim Plugging Criteria for
Byron and Braidwood Unit 1
NRC Docket Numbers 50-454 and 50-456

Reference: D. Saccomando letter to NRC dated January 28,
1995, transmitting the Preliminary Technical
Report regarding Application for Increase in
Interim Plugging Criteria for Byron and Braidwood
Stations

The Reference letter transmitted the Preliminary Report
"Technical Support for Alternate Plugging Criteria with Tube
Expansion at Tube Support Plate Intersections for Model D4 Steam
Generators," and "Probability of Detection Versus Voltage
Correlation." Both of these documents will be used as the
technical basis in upcoming Byron and Braidwood Station's
proposed technical specification amendments regarding an increase
in the Interim Plugging Criteria (IPC) for the Unit 1 steam
generators.

Since the January 28, 1995, transmittal, slight changes have been
made to the "Probability of Detection Versus Voltage
Correlation."

Bar charts have been reformatted to improve clarification of
information.

Section 5.6 has been revised to indicate a 95% confidence
level dual analyst probability of detection curve.

This attached report is being reissued under the date of
February 6, 1995.

Additionally, Preliminary Report "Technical Support for Alternate
Plugging Criteria with Tube Expansion at Tube Support Plate
Intersections for Model D4 Steam Generators," has been finalized
since it was initially transmitted and is being issued as WCAP-
14273, "Technical Support for Alternative Plugging Criteria with
Tube Expansion at Tube Support Plate intersections for Byron and
Braidwood Unit 1 Model D-4 Steam Generators(Proprietary)."

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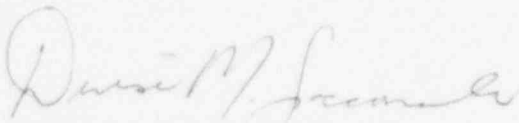
February 7, 1995

Please note that WCAP-14273 contains information proprietary to Westinghouse Electric Corporation, and is supported by the attached affidavit signed by Westinghouse, the owner of the information. The affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of Section 2.790 of the Commission's regulations. Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR 2.790 of the Commission's regulations.

Correspondence with respect to the proprietary aspects of the items listed above or supporting Westinghouse affidavit should reference CAW-95-778 and should be addressed to N.J. Liparulo, Manager of Nuclear Safety & Regulatory Activities, Westinghouse Electric Corporation, P.O. Box 355, Pittsburgh, Pennsylvania 15230-0355.

Please address any questions to this office.

Sincerely,



Denise M. Saccomando
Nuclear Licensing Administrator

Attachments

cc: D. Lynch, Senior Project Manager-NRR
R. Assa, Braidwood Project Manager-NRR
G. Dick, Byron Project Manager-NRR
S. DuPont, Senior Resident Inspector-Braidwood
H. Peterson, Senior Resident Inspector-Byron
J. Martin, Regional Administrator-RIII
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