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February 10, 1983

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In the Matter of
Metropolitan Edison Company
(Three Mile Island Nuclear Station, Unit No. 1)
Docket No. 50-289 (Restart)

Administrative Judges Edles, Buck and Gotchy:

Please find enclosed a copy of BAW-10154P, "B&W's Small-Break LOCA ECCS Evaluation Model" (November 1982), which Licensee plans to offer into evidence at the upcoming hearing. While the document does not represent written testimony, a very brief summary is also enclosed in keeping with the spirit of the directive in the Appeal Board's Order of January 26, 1983.

This proposed exhibit is being distributed now in the interest of facilitating hearing preparation by the Appeal Board and the parties. The document was not available for

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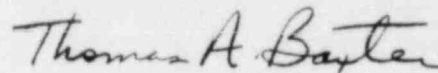
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SHAW, PITTMAN, POTTS & TROWBRIDGE
A PARTNERSHIP OF PROFESSIONAL CORPORATIONS

Gary J. Edles, Esquire
Dr. John H. Buck
Dr. Reginald L. Gotchy
February 10, 1983
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earlier distribution because it had been classified "Proprietary" and withheld from public disclosure. That restriction on its distribution has now been withdrawn. See letter from J. H. Taylor (Babcock & Wilcox) to John S. Berggren (NRC), February 10, 1983 (attached).

Sincerely,



Thomas A. Baxter
Counsel for Licensee

TAB:jah

Enclosures

cc: per Certificate of Service

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

BEFORE THE ATOMIC SAFETY AND LICENSING APPEAL BOARD

In the Matter of)
)
METROPOLITAN EDISON COMPANY) Docket No. 50-289
) (Restart)
(Three Mile Island Nuclear)
Station, Unit No. 1))

CERTIFICATE OF SERVICE

I hereby certify that copies of "B&W's Small-Break LOCA ECCS Evaluation Model," BAW-10154P (November 1982), were served this 10th day of February, 1983, by hand delivery upon the parties identified by an asterisk and by deposit in the U.S. mail, first class, postage prepaid, to the other parties on the attached Service List.

Thomas A. Baxter
Thomas A. Baxter, P.C.

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

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In the Matter of)
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"B&W's SMALL-BREAK LOCA ECCS
EVALUATION MODEL"

BAW-10154P (November 1982)

SUMMARY

The generic model for evaluating the performance of emergency core cooling systems following a small-break loss-of-coolant accident for all B&W nuclear steam systems is developed and compared with the required and acceptable features contained in Appendix K to 10 C.F.R. Part 50. This report describes the small-break evaluation model as it has been modified in response to Item II.K.3.30 of NUREG-0737, and demonstrates that it conforms to Appendix K. Included in the report are discussions of experimental tests which support the model, and the results of applications of the model to a 0.01 ft^2 break, during which boiler-condenser cooling is predicted to occur. The analysis of this break demonstrates that boiler-condenser cooling is established, as previous analyses have shown.