

# NORTHEAST UTILITIES



THE CONNECTICUT LIGHT AND POWER COMPANY  
WESTERN MASSACHUSETTS ELECTRIC COMPANY  
HOLYOKE WATER POWER COMPANY  
NORTHEAST UTILITIES SERVICE COMPANY  
NORTHEAST NUCLEAR ENERGY COMPANY

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(203) 666-6911

February 10, 1984

Docket No. 50-423  
B11030

Director of Nuclear Reactor Regulation  
Mr. B. J. Youngblood, Chief  
Licensing Branch No. 1  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Youngblood:

Millstone Nuclear Power Station, Unit No. 3:  
Transmittal of the Boron Dilution Analysis for  
Failures in the Chemical and Volume Control System

Regulatory Guide 1.70, Revision 3 and SRP 15.4.6 of NUREG-0880 state that a boron dilution accident analysis should be included as part of FSAR Section 15.4.6.

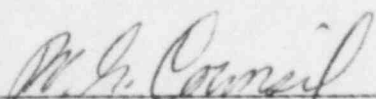
Attached are five copies of the unit specific probabilistic analysis performed for Millstone 3 to evaluate the probability of a boron dilution event occurring and progressing to a loss of shutdown margin. The analysis was based on pertinent Westinghouse Standard Technical Specifications set points and limits. Once actual Technical Specifications for Millstone 3 are issued, a sensitivity study will be performed on this analysis to validate the original conclusions and supplemental information will be supplied as appropriate. No design changes are recommended or implied as a result of this analysis.

Because this analysis is a probabilistic type of analysis, we believe that it would be appropriate for the Reliability and Risk Assessment Branch to review this material as well as the normal reviewers, the Accident Evaluation Branch.

If you have any questions concerning the analysis please contact our Licensing representative.

Very truly yours,

8402240017 840210  
PDR ADOCK 05000423  
A PDR

  
W. G. Council  
Senior Vice President

cc: A. Thadani (w/o attachment)  
E. L. Doolittle (w/o attachment)

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Rec'd w/out  
Attachments