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SUBJECT: Responds to NRC 890124 ltr re request for addl info on
 reduced temp & pressure.

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AEP:NRC:1067B

Donald C. Cook Nuclear Plant Unit 1
Docket No. 50-315
License No. DPR - 58
ADDITIONAL INFORMATION ON REDUCED TEMPERATURE AND PRESSURE
SUBMITTAL: BORON DILUTION ACCIDENT

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

Attn: T. E. Murley
February 6, 1989

Dear Dr. Murley:

This letter responds to a January 24, 1989 request from your staff for additional information regarding the analyses supporting our Unit 1 Reduced Temperature and Pressure (RTP) Program (refer to AEP:NRC:1067, dated October 14, 1988). Specifically, your staff requested the time that would elapse from the beginning of a boron dilution transient until shutdown margin is lost.

The results of the analysis of the boron dilution transient indicate that the reactor will return critical after reactor trip for the at power case or will become critical for the startup case at the following times after the boron dilution begins:

At Power: 45.0 minutes
Startup: 68.3 minutes

This document has been prepared following Corporate procedures that incorporate a reasonable set of controls to ensure its accuracy and completeness prior to signature by the undersigned.

Sincerely,

A handwritten signature in dark ink, appearing to read "M. P. Alexich".

M. P. Alexich
Vice President
MPA/eh

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Dr. T. E. Murley

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cc: D. H. Williams, Jr.
W. G. Smith, Jr. - Bridgman
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G. Charnoff
G. Bruchmann
A. B. Davis - Region III
NRC Resident Inspector - Bridgman

