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 ZIEMANN, D.C. Operating Reactors Branch 2

SUBJECT: Forwards "Design Analysis, RCS Subcooling Margin Monitoring
 Sys Error Analysis," in response to NRC 791227 request for
 documentation demonstrating assumed errors used to develop
 subcooling criterion for HPI termination & reinitiation.

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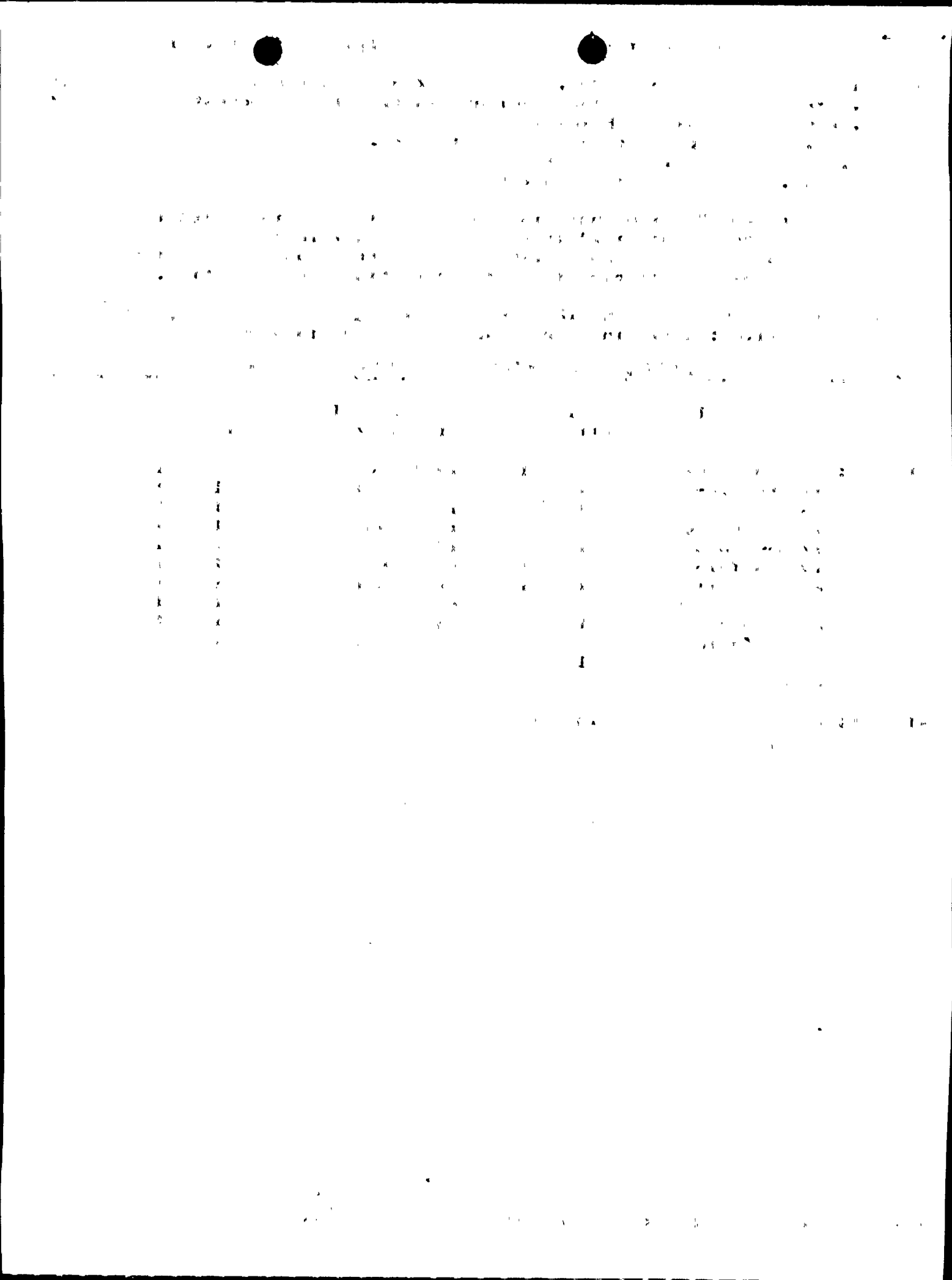
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LEON D. WHITE, JR.
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January 23, 1980

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis L. Ziemann
Operating Reactors Branch No. 2
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Justification for Instrument Setpoints
Docket No. 50-244

Dear Mr. Ziemann:

This letter is in response to a December 27, 1979 letter (received at RG&E 1/2/80) from Denwood F. Ross, Jr. to Mr. Cordell Reed. In that letter, the NRC requested that each utility which is a member of the Westinghouse Owners' Group provide documentation within 21 days showing the assumed errors (and their source) used to develop the subcooling criterion for HPI termination and reinitiation, and how the errors were combined. The enclosure provides this information. The minimum subcooling criterion for the Ginna reactor is now established as 30°F (the minimum subcooling allowed by NRC, as documented in the Denwood Ross letter of December 27, 1979). This 30°F value supersedes the minimum subcooling criterion of 50°F, procedure recommendations noted in I&E Bulletin 79-06A.

Denwood Ross's December 27 letter further requests that if the calculated subcooling criterion does not permit timely termination of HPI for non-LOCA events, utilities are to document and justify any proposed revisions to the Emergency Procedures within 21 days. RG&E does not intend to make any changes in the Emergency Procedures for this purpose. The safety injection pumps installed at Ginna have a shutoff head of about 1500 psi, which is substantially below the pressurizer safety and relief valve actuation setpoints.

Finally, the letter requests that utilities install instrumentation and readout devices that will ensure 20°F of actual subcooling. These devices have been installed as documented in our letters of November 19, 1979 and December 28, 1979.

Very truly yours,

L.D. White, Jr.
L.D. White, Jr.

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Add: ~~D. Ross~~
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