



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20545

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April 13, 1979

NRC ADVISORY -- THERMOCOUPLE READINGS

We recommend that all incore thermocouples be read in a continuous manner with provisions for rapid retrieval and permanent storage. It is clear that a continuous reading of thermocouples will be needed during the transition to natural circulation. It is also clear that temperature trends, which were not recorded during the pump changeover on April 6, would have given additional clues to core behavior in natural circulation. Since future flow transients cannot be ruled out and since the transition to natural circulation could occur involuntarily, we recommend that the continuous recording of all thermocouple readings be initiated as soon as possible.

Ralph O. Meyer, Leader  
Reactor Fuels Section  
Core Performance Branch

Aycock will  
send it up to TMI

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