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Director  
Office of Nuclear Reactor Regulation  
U S Nuclear Regulatory Commission  
Washington, DC 20555

PRAIRIE ISLAND NUCLEAR GENERATING PLANT  
Docket Nos. 50-282 License Nos. DPR-42  
50-306 DPR-60

Response to Generic Letter 83-10, Resolution  
of TMI Action Item II.K.3.5, Automatic Trip  
of Reactor Coolant Pumps

In our letter dated April 22, 1983, we submitted our plan for resolution of TMI Action Plan Item II.K.3.5. NRC Staff requirements were contained in letters from Mr Darrel G Eisenhut to all Applicants and Licensees with Westinghouse designed Nuclear Steam Supply Systems (Generic Letters 83-10 c and d) dated February 8, 1983. The submittals which fulfill the established requirements have been transmitted to you by Westinghouse Owners Group (WOG) letters OG-117, dated March 12, 1984 and OG-110, dated December 1, 1983. The purpose of this letter is to inform the Staff of our resolution of this item at Prairie Island.

Section I of the attachment to NRC letters 83-10 c and d describes "Pump Operation Criteria Which Can Result in RCP Trip During Transients and Accidents". Subsection 1 of Section I presents guidelines for establishing setpoints for Reactor Coolant Pump (RCP) Trip. The Westinghouse Owners Group response to this section of NRC Letters 83-10 c and d is contained in Revision 1 to the WOG Emergency Response Guidelines, which has been issued to member utilities. Plant specific procedures based on Revision 1 have been implemented at Prairie Island.

The RCP Trip Criteria adopted in the Prairie Island plant specific procedure not only assures RCP trip for all losses of primary coolant for which trip is considered necessary but also permits RCP operation to continue during most non-LOCA accidents, including steam generator tube rupture events up to the design basis double-ended tube rupture. The generic applicability of the RCP trip criterion selected has been documented by the Westinghouse Owners Group Report entitled, "Evaluation of Alternate RCP Trip Criteria", which has been submitted to the NRC for review in letter OG-110.

The Westinghouse Owners Group has also submitted to the NRC, via letter OG-117, a report entitled "Justification of Manual RCP Trip for Small Break LOCA Events". As stated above, these submittals completed the WOG documentation responding to NRC Generic Letters 83-10 c and d.

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