



November 10, 1999

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10 CFR 50.90

Docket Nos.: 50-315
50-316

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop O-P1-17
Washington, DC 20555-0001

Donald C. Cook Nuclear Plant Units 1 and 2
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION
LICENSE AMENDMENT REQUEST FOR
CREDIT OF ROD CLUSTER CONTROL ASSEMBLIES FOR COLD LEG
LARGE BREAK LOSS-OF-COOLANT ACCIDENT SUBCRITICALITY
(TAC NOS. MA6473 AND MA6474)

- References: 1) I&M to NRC letter C0999-11, "License Amendment Request for Credit of Rod Cluster Control Assemblies for Cold Leg Large Break Loss-of-Coolant Accident Subcriticality," dated September 17, 1999
- 2) NRC to I&M letter, "Request for Additional Information Related to License Amendment Requesting Credit of Rod Cluster Control Assemblies for Cold Leg Large Break Loss-of-Coolant Accident (LOCA) Subcriticality (TAC Nos. MA6473 and MA6474)," dated October 26, 1999

In Reference 1, Indiana Michigan Power Company (I&M), the Licensee for Donald C. Cook Nuclear Plant Units 1 and 2, proposed to amend Facility Operating License DPR-58 and DPR-74 to allow credit in the applicable subcriticality analysis for the negative reactivity provided by insertion of the rod cluster control assemblies (RCCAs) during realignment from a cold leg recirculation to a hot leg recirculation configuration.

In Reference 2, the NRC provided a question related to the requested license amendment. The I&M response to that question is provided in Attachment 1. Attachment 2 provides Westinghouse Electric Company (WEC), WCAP-15131,

PDR ADDCK

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Revision 1, "Technical Justification for Eliminating Large Primary Loop Pipe Rupture as the Structural Design Basis for the D. C. Cook Units 1 and 2 Nuclear Power Plants," in support of the question response. WCAP-15131, Revision 1, is considered proprietary to WEC. As such, an affidavit for withholding from public disclosure in accordance with 10 CFR 2.790 is provided as part of Attachment 2. A nonproprietary version of the WCAP (WCAP-15132, Revision 1) is provided in Attachment 3. I&M has evaluated the attached information, and concludes that the evaluation of significant hazards considerations as contained in Attachment 4 to Reference 1 is not affected by the information provided.

Should you have any questions, please contact Mr. Robert C. Godley, Director of Regulatory Affairs, at (616) 466-2698.

Sincerely,


for M. W. Rencheck
Vice President

Attachments

\dms

c: J. E. Dyer
MDEQ - DW & RPD, w/o attachments
NRC Resident Inspector
R. Whale, w/o attachments

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