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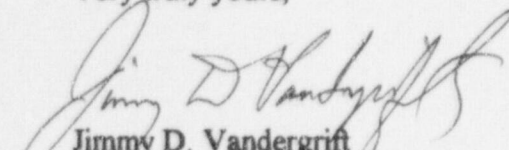
U. S. Nuclear Regulatory Commission  
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Subject: Arkansas Nuclear One - Unit 2  
Docket No. 50-368  
License No. NPF-6  
ANO-2 Cycle 14 Core Operating Limits Report

Gentlemen:

Arkansas Nuclear One, Unit 2 (ANO-2) Technical Specification 6.9.5 requires submittal of the Core Operating Limits Report (COLR) for each reload cycle. Attached is Revision 1 of the COLR for ANO-2 Cycle 14. Revision 0 was revised prior to the need to utilize the Cycle 14 COLR. Revision 0 incorporated the following changes. The linear heat rate with the Core Operating Limits Supervisory System (COLSS) out of service was revised from  $\leq 13.3$  kW/ft to  $\leq 13.5$  kW/ft, the positive moderator temperature coefficient (MTC) was increased to accommodate more positive MTC values (Figure 1), prohibition on simultaneous insertion of control element assembly banks 6 and P (Figure 3) was removed, and the DNBR margin operating limit based on the core protection calculators for COLSS out of service with neither control element assembly calculator operable was revised to be consistent with the non-loss of coolant accident transient analysis requirements (Figure 5). Revision 1 added clarification to the MTC in that a less positive (burnup dependent) MTC was credited in the safety analysis later in the cycle. This fulfills the reporting requirement for the referenced technical specification. Should you have any questions, please contact me.

Very truly yours,

  
Jimmy D. Vandergrift  
Director, Nuclear Safety

AWP

JDV/nbm  
Attachment

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