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U. S. Nuclear Regulatory Commission  
Document Control Desk  
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Washington, DC 20555

Subject: Arkansas Nuclear One - Unit 1  
Docket No. 50-313  
License No. DPR-51  
Revision 1 to ANO-1 Cycle 18 Core Operating Limits Report per  
Technical Specification 5.6.5.d

Dear Sir or Madam:

Arkansas Nuclear One – Unit 1 (ANO-1) Technical Specification 5.6.5.d requires that any mid-cycle revisions to the Core Operating Limits Report (COLR) be provided to the NRC upon issuance. Attached is Revision 1 (pages 1 and 6 of 30) to the ANO-1 Cycle 18 COLR. This revision is being issued in order to clarify the required shutdown margin for the various modes of applicability and provide consistency with technical specifications. The asterisk was removed from the Modes 3, 4, and 5 shutdown margin requirements.

This completes the reporting requirement for the referenced specification. This submittal contains no commitments. Should you have any questions, please contact me.

Sincerely,

Sherrie R. Cotton  
Director, Nuclear Safety Assurance

SRC/nbm  
attachment

A001

cc w/ att: Mr. Ellis W. Merschoff  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
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Arlington, TX 76011-8064

NRC Senior Resident Inspector  
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U.S. Nuclear Regulatory Commission  
Attn: Mr. William Reckley  
Washington, DC 20555-0001

**Attachment to 1CAN110202**

**Revision 1 to the Cycle 18 Core Operating Limits Report**  
(replacement pages 1 and 6 of 30)

# ENTERGY OPERATIONS

ARKANSAS NUCLEAR ONE  
UNIT ONE

CYCLE 18

## CORE OPERATING LIMITS REPORT

**LIMITS ARE REFERRED TO BY  
 TECHNICAL SPECIFICATIONS 3.1.1, 3.1.4, 3.1.5, 3.1.8, 3.1.9, AND 3.3.9**

**SHUTDOWN MARGIN (SDM)**

Verify SHUTDOWN MARGIN per the table below.

<b>APPLICABILITY</b>	<b>REQUIRED SHUTDOWN MARGIN</b>	<b>TECHNICAL SPECIFICATION REFERENCE</b>
MODE 1	$\geq 1 \% \Delta k/k$	3.1.4, 3.1.5
MODE 2	$\geq 1 \% \Delta k/k$	3.1.4, 3.1.5, 3.3.9
MODE 3	$\geq 1 \% \Delta k/k$	3.1.1, 3.3.9
MODE 4	$\geq 1 \% \Delta k/k$	3.1.1, 3.3.9
MODE 5	$\geq 1 \% \Delta k/k$	3.1.1, 3.3.9
MODE 1 PHYSICS TESTS Exceptions*	$\geq 1 \% \Delta k/k$	3.1.8
MODE 2 PHYSICS TESTS Exceptions	$\geq 1 \% \Delta k/k$	3.1.9

\*Requires actual shutdown margin to be  $\geq 1 \% \Delta k/k$ .