



Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, AR 72802  
Tel 479-858-3110

**Jeremy G. Browning**  
Site Vice President  
Arkansas Nuclear One

OCAN121502

December 22, 2015

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

SUBJECT: Commitment to Maintain Severe Accident Management Guidelines  
Arkansas Nuclear One – Units 1 and 2  
Docket Nos. 50-313 and 50-368  
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

The Nuclear Energy Institute Nuclear Strategic Issues Advisory Committee recently approved an Industry Initiative to implement and maintain Severe Accident Management Guidelines (SAMGs). This letter establishes commitments related to SAMGs for Arkansas Nuclear One. These guidelines would be used by emergency response personnel during accident conditions that progress beyond the mitigation capabilities described in Emergency Operating Procedures. SAMG strategies are intended to arrest the progression of fuel damage, maintain the capability of the containment as long as possible, and minimize radiological releases.

The new SAMG commitments are listed in the enclosed attachment.

It is expected that NRC staff personnel will conduct periodic inspection of the SAMGs and performance deficiencies, if any, will be assessed using the Reactor Oversight Process. It is also understood that inspection activities will not extend to NRC review and approval of SAMG strategies, or the use of equipment described in the SAMGs.

Should you have any questions regarding this submittal, please contact Stephenie Pyle at 479.858.4704.

Sincerely,

**ORIGINAL SIGNED BY JEREMY G. BROWNING**

JGB/nbm

Attachment: List of Regulatory Commitments

cc: Mr. Marc L. Dapas  
Regional Administrator  
U. S. Nuclear Regulatory Commission, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P.O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Ms. Andrea E. George  
MS O-8B1  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

**Attachment to**

**0CAN121502**

**List of Regulatory Commitments**

List of Regulatory Commitments

The following table identifies those actions committed to by Entergy Operations, Inc. (Entergy) in this document. Any other statements in this submittal are provided for information purposes and are not considered to be regulatory commitments.

COMMITMENT	TYPE (Check One)		SCHEDULED COMPLETION DATE  (If Required)
	ONE- TIME ACTION	CONTINUING COMPLIANCE	
Entergy will consider the site Severe Accident Management Guidelines (SAMGs) within plant configuration management processes in order to ensure that the SAMGs reflect changes to the facility over time.		X	October 31, 2016
Entergy will update the site SAMGs to future revisions of the Pressurized Water Reactor Owner's Group generic severe accident technical guidelines, and the SAMGs will be integrated with other emergency response guideline sets and symptom-based Emergency Operating Procedures, and validated, using the guidance in Nuclear Energy Institute 14-01, <i>Emergency Response Procedures and Guidelines for Beyond Design Basis Events and Severe Accidents</i> .		X	Within two refueling outages or three years of the publication date of the guidelines, whichever is greater.