



A unit of American Electric Power

Indiana Michigan Power  
Cook Nuclear Plant  
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December 14, 2015

AEP-NRC-2015-117  
10 CFR 50.4

Docket Nos.: 50-315  
50-316

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

SUBJECT: Donald C. Cook Nuclear Plant Unit 1 and Unit 2  
Commitment to Maintain Severe Accident Management Guidelines

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 Indiana Michigan Power Company, the licensee for Donald C. Cook Nuclear Plant. 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 Enclosure.

It is expected that U. S. Nuclear Regulatory Commission (NRC) staff personnel will conduct periodic inspection of our SAMGs and performance deficiencies, if any, will be assessed using the Reactor Oversight Process. We also understand 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 concerning the content of this letter, please contact Mr. Michael K. Scarpello at (269) 466-2649.

Sincerely,

Joel P. Gebbie  
Site Vice President

DMB/ams

Enclosure: Regulatory Commitments

ADD  
NRR

c: R. J. Ancona- MPSC  
A. W. Dietrich – NRC Washington, DC  
MDEQ – RMD/RPS  
NRC Director, NRR  
NRC Resident Inspector  
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A. J. Williamson - AEP Ft. Wayne, w/o enclosure  
D. L. Young – NEI, dly@nei.org

**Enclosure to AEP-NRC-2015-117**

**REGULATORY COMMITMENTS**

The following table identifies an action committed to by Indiana Michigan Power Company (I&M) in this document. Any other actions discussed in this submittal represent intended or planned actions by I&M. They are described to the U. S. Nuclear Regulatory Commission (NRC) for the NRC's information and are not regulatory commitments.

Commitment	Type (Check One)		Scheduled Completion Date
	One- Time Action	Continuing Compliance	
Donald C. Cook Nuclear Plant's (CNP) Severe Accident Management Guidelines (SAMGs) will be considered within plant configuration management processes in order to ensure that the SAMGs reflect changes to the facility over time.		X	October 31, 2016
CNP's SAMGs will be updated to future revisions of the Pressurized Water Reactor Owners' 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 NEI 14-01, Emergency Response Procedures and Guidelines for Beyond Design Bases Events and Severe Accidents.		X	Within two refueling outages or three years of the publication date of the guidelines, whichever is greater.