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U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555-0001

**SUSQUEHANNA STEAM ELECTRIC STATION  
COMMITMENT TO MAINTAIN SEVERE ACCIDENT  
MANAGEMENT GUIDELINES  
PLA-7404**

**Docket Nos. 50-387  
and 50-388**

The Nuclear Energy Institute (NEI) Nuclear Strategic Issues Advisory Committee (NSIAC) recently approved an Industry Initiative to implement and maintain Severe Accident Management Guidelines (SAMGs). This letter establishes commitments related to SAMGs for Susquehanna Nuclear, LLC. These guidelines would be used by emergency response personnel during accident conditions that progress beyond the mitigation capabilities described in Emergency Operating Procedures (EOPs). 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 attachment to this letter.

It is expected that NRC staff personnel will conduct periodic inspections 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 regarding this submittal, please contact Mr. Jason Jennings at 570-542-3155.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on: \_\_\_\_\_

12/23/15

T. S. Rausch  
President and Chief Nuclear Officer

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**Attachment to PLA-7404  
Susquehanna Steam Electric Station  
List of Regulatory Commitments**

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### List of Regulatory Commitments

Susquehanna has updated the site SAMGs to Revision 3 of the BWROG generic severe accident guidelines (published February, 2013).

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

IDENTIFIER	COMMITMENT	TYPE (Check One)		SCHEDULED COMPLETION DATE
		ONE- TIME ACTION	CONTINUING COMPLIANCE	
PLA-7404-1 DI-2015- 33270	Susquehanna will consider the site SAMGs within plant configuration management processes in order to ensure that the SAMGs reflect changes to the facility over time.		X	October 31, 2016
PLA-7404-2 DI-2015- 33271	Susquehanna will update the site SAMGs to future revisions of the BWROG 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, <i>Emergency Response Procedures and Guidelines for Beyond Design Basis Events and Severe Accidents</i> . <sup>1</sup>		X	Within 2 refueling outages or 3 years of the publication date of the guidelines, whichever is greater

Note 1 – Use of NEI 14-01 guidance begins with the update to Revision 4 of the BWROG generic severe accident guidelines.