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GNRO-2016/00001

January 20, 2016

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

**SUBJECT:** Grand Gulf Nuclear Station Commitment to Maintain Severe Accident  
Management Guidelines  
Grand Gulf Nuclear Station, Unit 1  
Docket No. 50-416  
License No. NPF-29

**REFERENCE:** Nuclear Energy Institute Industry Initiative to Maintain Severe Accident  
Management Guidelines Letter to the Nuclear Strategic Issues Advisory  
Committee, dated October 26, 2015

Dear Sir or Madam:

The Nuclear Energy Institute (NEI) Nuclear Strategic Issues Advisory Committee (NSIAC) recently approved an Industry Initiative to maintain and perform timely updates to site specific Severe Accident Management Guidelines (SAMGs)(Reference). This letter establishes commitments related to SAMGs for Grand Gulf Nuclear Station (GGNS). These guidelines will 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.

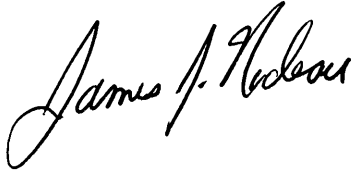
This letter contains new SAMG commitments, listed in the Attachment.

It is expected that NRC staff personnel will conduct periodic inspection of our SAMGs and any performance deficiencies 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. James Nadeau, Regulatory Assurance Manager at (601) 437-2103.

I declare under penalty of perjury that the foregoing is true and correct. Executed on January 20, 2016.

Sincerely,

A handwritten signature in black ink that reads "James J. Hudson". The signature is written in a cursive style with a large initial "J" and "H".

JJN/sas

Attachment: List of Regulatory Commitments

cc: U.S. Nuclear Regulatory Commission  
ATTN: Mr. Jim Kim, NRR/DORL (w/2)  
Mail Stop OWFN 8 B1  
Rockville, MD 20852-2738

U.S. Nuclear Regulatory Commission  
ATTN: Mr. Marc Dapas (w/2)  
Regional Administrator, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

Mr. B. J. Smith  
Director, Division of Radiological Health  
Mississippi State Department of Health  
Division of Radiological Health  
3150 Lawson Street  
Jackson, MS 39213

NRC Senior Resident Inspector  
Grand Gulf Nuclear Station  
Port Gibson, MS 39150

Attachment to GNRO-2016/00001  
List of Regulatory Commitments

| Commitment  | Type            |                       | Scheduled Completion Date   |
|---|-----------------|-----------------------|---|
|   | One-Time Action | Continuing Compliance |   |
| GGNS will consider the site SAMGs within plant configuration management processes in order to ensure that the SAMGs reflect changes to the facility over time. (P-36165)  |                 | X                     | October 31, 2016  |
| GGNS will update the site SAMGs to revision 3 of the BWROG generic severe accident guidelines (published February, 2013). (A-36166)   | X               |                       | June 30, 2017   |
| GGNS 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, "Emergency Response Procedures and Guidelines for Beyond Design Basis Events and Severe Accidents." <sup>1</sup> (P-36167) |                 | 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.