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June 8, 2012

Docket Nos.: 50-348  
50-364

NL-12-1075

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

Joseph M. Farley Nuclear Plant – Units 1 & 2  
Southern Nuclear Operating Company Response to NRC Request for Information  
Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding the  
Flooding Aspects of Recommendations 2.1 and 2.3 of the Near-Term Task Force  
Review of Insights from the Fukushima Daiichi Accident

**References:**

1. NRC Letter, *Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near-Term Task Force Review of Insights from the Fukushima Dai-ichi Accident*, dated March 12, 2012
2. NRC Letter, *Prioritization of Response Due Dates for Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Flooding Hazard Reevaluations for Recommendation 2.1 of the Near-Term Task Force Review of Insights from the Fukushima Daiichi Accident*, dated May 11, 2012
3. NRC Letter, *Endorsement of Nuclear Energy Institute (NEI) 12-07, "Guidelines for Performing Verification Walkdowns of Plant Flood Protection Features"*, dated May 31, 2012

Ladies and Gentlemen:

On March 12, 2012, the NRC issued Reference 1 to all power reactor licensees and holders of construction permits in active or deferred status. Enclosures 2 and 4 of Reference 1 contain specific Requested Actions, Requested Information, and Required Responses associated with Recommendations 2.1 and 2.3 for Flooding Evaluations and Walkdowns. This letter provides Southern Nuclear Operating Company's (SNC) 90 day response to Reference 1 for Joseph M. Farley Nuclear Plant (Farley).

**Recommendation 2.1: Flooding**

The response date for Farley's flood hazard evaluation was identified in Reference 2 as March 12, 2014, which corresponds to two years from the date of Reference 1. SNC plans to comply with the requested response date.

SNC plans to meet the requested date for the other required responses in Enclosure 2 of Reference 1. Specifically, an approach for developing an Integrated Assessment for Farley will be submitted 60 days after the NRC endorses Integrated Assessment Guidance. In addition, an Integrated Assessment report for Farley, if it is necessary, will be submitted 2 years after the flood evaluation is submitted.

**Recommendation 2.3: Flooding**

For flooding recommendation 2.3 (walkdowns), Enclosure 4 of Reference 1 states that each licensee is to confirm that it will use the NRC-endorsed flooding walkdown procedure or provide a description of the process it will use.

SNC confirms that it will use the flooding walkdown procedure (NEI 12-07, "Guidelines for Performing Verification Walkdowns of Plant Flood Protection Features") endorsed by Reference 3 as the basis for the flooding walkdowns at Farley.

SNC plans to comply with the response timeline in Enclosure 4 of Reference 1. Specifically, SNC will submit a report documenting the results of its flooding design basis walkdowns at Farley on November 27, 2012, which corresponds to 180 days after NRC endorsement of the generic guidance.

This letter contains no NRC commitments. If you have any questions, please contact Jack Stringfellow at (205) 992-7037.

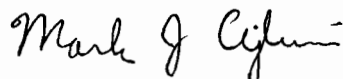
Mr. M. J. Ajluni states he is Nuclear Licensing Director of Southern Nuclear Operating Company, is authorized to execute this oath on behalf of Southern Nuclear Operating Company and, to the best of his knowledge and belief, the facts set forth in this letter are true.

Sworn to and subscribed before me this 8<sup>th</sup> day of June, 2012.

  
Notary Public

My commission expires: 11-2-2013

Respectfully submitted,



M. J. Ajluni  
Nuclear Licensing Director

MJA/CLN/lac

cc: Southern Nuclear Operating Company  
Mr. S. E. Kuczynski, Chairman, President & CEO  
Mr. D. G. Bost, Executive Vice President & Chief Nuclear Officer  
Mr. T. A. Lynch, Vice President – Farley  
Mr. B. L. Ivey, Vice President – Regulatory Affairs  
Mr. B. J. Adams, Vice President – Fleet Operations  
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U. S. Nuclear Regulatory Commission  
Mr. V. M. McCree, Regional Administrator  
Mr. R. E. Martin, NRR Project Manager – Farley  
Mr. E. L. Crowe, Senior Resident Inspector – Farley

Alabama Department of Public Health  
Dr. D. E. Williamson, State Health Officer