

B. L. "Pete" Ivey
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Docket Nos.: 50-348
50-364

NL-13-1765

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D. C. 20555-0001

Joseph M. Farley Nuclear Plant - Units 1 and 2
First Six-Month Status Report of the Implementation of the
Requirements of the Commission Order with Regard to
Reliable Spent Fuel Pool Instrumentation (EA-12-051)

References:

1. NRC Order Number EA-12-051, Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation, dated March 12, 2012
2. NRC Interim Staff Guidance JLD-ISG-2012-03, Compliance with Order EA-12-051, Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation, Revision 0, dated August 29, 2012
3. NEI 12-02, Industry Guidance for Compliance with NRC Order EA-12-051, "To Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation", Revision 1, dated August 2012
4. Joseph M. Farley Nuclear Plant Units 1 and 2 Initial Status Report in Response to Commission Order with Regard to Reliable Spent Fuel Pool Instrumentation (EA-12-051), dated October 23, 2013
5. Joseph M. Farley Nuclear Plant Units 1 and 2 Overall Integrated Plan in Response to Commission Order with Regard to Reliable Spent Fuel Pool Instrumentation (EA-12-051), dated February 27, 2013

Ladies and Gentlemen:

On March 12, 2012, the Nuclear Regulatory Commission (NRC) issued an order (Reference 1) to Southern Nuclear Operating Company. Reference 1 was immediately effective and directs the Joseph M. Farley Nuclear Plant - Units 1 and 2 (FNP) to install reliable spent fuel pool instrumentation. Specific requirements are outlined in Attachment 2 of Reference 1.

Reference 1 required submission of an initial status report 60 days following issuance of the final interim staff guidance (Reference 2) and an overall integrated plan pursuant to Section IV, Condition C.1.a of Reference 1. Reference 2 endorses industry guidance document NEI 12-02, Revision 1 (Reference 3) with clarifications and exceptions identified in Reference 2. Reference 4 provided the FNP initial status report regarding spent fuel pool

instrumentation strategies. Reference 5 provided the FNP overall integrated plan.

Reference 1 requires submission of a status report at six-month intervals following submittal of the overall integrated plan. Reference 3 provides direction regarding the content of the status reports. The purpose of this letter is to provide the first six-month status report pursuant to Section IV, Condition C.2, of Reference 1, that delineates progress made in implementing the requirements of Reference 1. The enclosed report provides an update of milestone accomplishments since the last status report, including any changes to the compliance method, schedule, or need for relief and the basis, if any.

This letter contains no NRC commitments. If you have any questions, please contact John Giddens at 205.992.7924.

Mr. B. L. Ivey states he is a Vice President 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.

Respectfully submitted,



Mr. B. L. Ivey
Vice President - Regulatory Affairs

BLI/CLN/lac

Sworn to and subscribed before me this 27th day of August, 2013.

Nancy Louise Henderson
Notary Public

My commission expires: March 23, 2014

Enclosure: Joseph M. Farley Nuclear Plant - Units 1 and 2
First Six-Month Status Report of the Implementation of the
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Reliable Spent Fuel Pool Instrumentation (EA-12-051)

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. C. R. Pierce, Regulatory Affairs Director
Mr. B. J. Adams, Vice President – Fleet Operations
RType: CVC7000



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Mr. E. Leeds, Director of the Office of Nuclear Reactor Regulations

Mr. V. M. McCree, Regional Administrator

Mr. R. E. Martin, NRR Senior Project Manager – Farley

Mr. P. K. Niebaum, Senior Resident Inspector – Farley

Mr. J. R. Sowa, Senior Resident Inspector – Farley

Mr. B. A. Purnell, NRR/JLD/PMB

Mr. S. R. Jones, NRR/DSS/SBPB

Alabama Department of Public Health

Dr. D. E. Williamson, State Health Officer

**Joseph M. Farley Nuclear Plant - Units 1 and 2
First Six-Month Status Report of the Implementation of the
Requirements of the Commission Order with Regard to
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Enclosure

**Joseph M. Farley Nuclear Plant - Units 1 and 2
First Six-Month Status Report of the Implementation of the
Requirements of the Commission Order with Regard to
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Joseph M. Farley Nuclear Plant - Units 1 and 2
First Six-Month Status Report of the Implementation of the
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Reliable Spent Fuel Pool Instrumentation (EA-12-051)

1 Introduction

Joseph M. Farley Nuclear Plant Units 1 and 2 developed an Overall Integrated Plan (Reference 1 of this enclosure), documenting the requirements to install reliable spent fuel pool (SFP) instrumentation, in response to Reference 2. This attachment provides an update of milestone accomplishments since submittal of the Overall Integrated Plan, including any changes to the compliance method, schedule, or need for relief/relaxation and the basis, if any.

2 Milestone Accomplishments

In addition to the submittal of status reports, the following milestone(s) directly related to SFP instrumentation implementation have been completed since the development of the Overall Integrated Plan (Reference 1 of this enclosure), and are current as of June 30, 2013:

- None

3 Milestone Schedule Status

The following provides an update to the milestone schedule to support the Overall Integrated Plan. This section provides the activity status of each item, and whether the expected completion date has changed. The dates are planning dates subject to change as design and implementation details are developed.

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Submit 60 Day Status Report	Oct 2012	Complete	N/A
Submit Overall Integrated Plan	Feb 2013	Complete	N/A
Unit 2 1st RFO	May 2013	Complete	N/A
Submit 6 Month Status Report	Aug 2013	Complete (see Sec. 2)	N/A
Unit 1 1st RFO	Nov 2013	Not Started	
Develop Modifications Unit 2	Dec 2013	Started	
Submit 6 Month Status Report	Feb 2014	Not Started	
Receipt of Unit 2 SFP Instrument Channel	Apr 2014	Not Started	
Develop Modifications Unit 1	Apr 2014	Started	
Receipt of Unit 1 SFP Instrument Channel	Jun 2014	Not Started	
Complete Functional Test of Unit 2 SFP Instruments	3Q 2014	Not Started	
Submit 6 Month Status Report	Aug 2014	Not Started	
Complete Functional Test of Unit 1 SFP Instruments	4Q 2014	Not Started	
Unit 2 Implementation Complete (2nd RFO)*	Nov 2014	Not Started	
Submit 6 Month Status Report	Feb 2015	Not Started	
Unit 1 Implementation Complete (2nd RFO)*	Apr 2015	Not Started	
Submit Completion Report	Jun 2015	Not Started	

*Full compliance after second listed refueling outage

4 Changes to Compliance Method

There are no changes to the compliance method as documented in the Overall Integrated Plan (Reference 1 of this enclosure).

5 Need for Relief/Relaxation and Basis for the Relief/Relaxation

Joseph M. Farley Nuclear Plant Units 1 and 2 expects to comply with the order implementation date and no relief/relaxation is required at this time.

6 Open Items from Overall Integrated Plan and Draft Safety Evaluation

- None

7 Potential Draft Safety Evaluation Impacts

There are no potential impacts to the Draft Safety Evaluation identified at this time.

8 References

The following references support the updates to the Overall Integrated Plan described in this enclosure:

1. Joseph M. Farley Nuclear Plant Units 1 and 2 Overall Integrated Plan in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051),” dated February 27, 2013.
2. NRC Order Number EA-12-051, “Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation,” dated March 12, 2012.