



Entergy Operations, Inc.
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Eric W. Olson
Site Vice President

RBG-47389

August 28, 2013

U.S. Nuclear Regulatory Commission
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SUBJECT: Entergy's Six-Month Status Report In Response To March 12, 2012
Commission Order Modifying Licenses With Regard To Requirements
For Mitigation Strategies For Beyond-Design-Basis External Events
(Order Number EA-12-049)
River Bend Station – Unit 1
Docket No. 50-458
License No. NPF-47

- REFERENCES:
1. NRC Order Number EA-12-049, *Order To Modify Licenses With Regard To Requirements For Mitigation Strategies For Beyond-Design-Basis External Events*, dated March 12, 2012 (ADAMS Accession No. ML12054A736) (RBC-51013)
 2. NRC Interim Staff Guidance JLD-ISG-2012-01, *Compliance with Order EA-12-049, Order Modifying Licenses With Regard To Requirements For Mitigation Strategies For Beyond-Design-Basis External Events*, Revision 0, dated August 29, 2012 (ML12229A174)
 3. Nuclear Energy Institute (NEI) 12-06, *Diverse and Flexible Coping Strategies (FLEX) Implementation Guide*, Revision 0, August 2012
 4. *Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049)*, RBG-47302, dated October 24, 2012
 5. *Overall Integrated Plan in Response to March 12, 2012 Commission Order to Modify Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events (Order Number EA-12-049)*, RBG-47329, dated February 28, 2013

Dear Sir or Madam:

On March 12, 2012, the NRC issued an order (Reference 1) to Entergy Operations, Inc. (Entergy). Reference 1 was immediately effective and directs River Bend Station (RBS) to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities in the event of a beyond-design-basis external event. Specific requirements are outlined in Attachment 2 of Reference 1.

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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. Reference 2 endorses industry guidance document NEI 12-06, Revision 0 (Reference 3) with clarifications and exceptions identified in Reference 2. Reference 4 provided the RBS initial status report regarding mitigation strategies. Reference 5 provided the RBS 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 new regulatory commitments. Should you have any questions regarding this submittal, please contact Mr. Joseph Clark, Manager – Licensing, at 225-381-4177.

I declare under penalty of perjury that the foregoing is true and correct; executed on August 28, 2013.

Sincerely,



EWOTAE/JAC/wjf

Attachment: River Bend Station's First Six-Month Status Report for the Implementation of Order EA-12-049, Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events

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Attachment to

RBG-47389

**River Bend Station's First Six-Month Status Report for
the Implementation of Order EA-12-049, Order
Modifying Licenses with Regard to Requirements for
Mitigation Strategies for Beyond-Design-Basis External
Events**

**River Bend Station's First Six-Month Status Report for the Implementation of
Order EA-12-049, Order Modifying Licenses with Regard to Requirements for
Mitigation Strategies for Beyond-Design-Basis External Events**

August 2013

1. Introduction

Entergy Nuclear Operations, Inc. (Entergy) developed an Overall Integrated Plan for River Bend Station (RBS) in Reference 1, which documented the diverse and flexible strategies (FLEX), 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

The following milestone(s) have been completed since the development of the Overall Integrated Plan (Reference 1), and are current as of July 31, 2013:

None.

3. Milestone Schedule Status

The following provides an update to Attachment 2 of the Overall Integrated Plan. It 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.

- Validation/Demonstration

A target completion date has been added to the milestone listing for completion of the FLEX Strategy Validation/Demonstration. The validation/demonstration will be completed during the FLEX modification implementation outage. This new milestone target date does not impact the Order implementation date.

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Submit 60 Day Status Report	Oct 2012	Complete	
Submit Overall Integrated Implementation Plan	Feb 2013	Complete	
Submit 6 Month Status Report	Aug 2013	Complete	
Develop Mods	Dec 2013	In-process	
Develop Strategies (Playbook) with Regional Response Center			
Purchase/Procure Equipment	April 2014	In-process	
Submit 6 Month Status Report	Feb 2014	Not Started	
Issue FLEX Procedures			
Create Maintenance Procedures			
Submit 6 Month Status Report	Aug 2014	Not Started	
Procedure Changes Training Material Complete			
Develop Training Plan			
Submit 6 Month Status Report	Feb 2015	Not Started	
Implement Training			
Submit 6 Month Status Report	Aug 2015	Not Started	

Milestone	Target Completion Date	Activity Status	Revised Target Completion Date
Submit 6 Month Status Report	Feb 2016	Not Started	
Submit 6 Month Status Report	Aug 2016	Not Started	
Implement Non-Outage Mods*	Dec 2016	Not Started	
Validation / Demonstration	Dec 2016	Not Started	
Submit Completion Report	Dec 2016	Not Started	

*(Full compliance by 12/31/2016 since second refueling outage is after 12/31/2016)

4. Changes to Compliance Method

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

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

RBS 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

The following tables provide a summary of the open items documented in the Overall Integrated Plan or the Draft Safety Evaluation (SE) and the status of each item.

Overall Integrated Plan Open Item	Status
1. Beyond-design-basis external event impact on requirements in existing licensing documents will be determined based on input from the industry groups and direction from the NRC.	Not Started
2. Structure, content and details of the Regional Response Center playbook will be determined.	Not Started

Draft Safety Evaluation Open Item	Status
None	

7. Potential Draft Safety Evaluation Impacts

The Draft Safety Evaluation has not been issued at this time.

8. References

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

1. River Bend Station Overall Integrated Plan In Response To March 12, 2012 Commission Order To Modify Licenses With Regard To Requirements For Mitigation Strategies For Beyond-Design-Basis External Events (Order Number EA-12-049), dated February 28, 2013.
2. NRC Order Number EA-12-049, "Issuance of Order to Modify Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events," dated March 12, 2012.