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RBG-47543

February 25, 2015

U.S. Nuclear Regulatory Commission
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SUBJECT: Entergy's Fourth Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051)
River Bend Station – Unit 1
Docket No. 50-458
License No. NPF-47

- REFERENCES:**
1. NRC Order Number EA-12-051, *Order To Modify Licenses With Regard To Reliable Spent Fuel Pool (SFP) Instrumentation*, dated March 12, 2012 (Agencywide Document Access and Management System (ADAMS) Accession No. ML12054A682) (RBC-51011)
 2. NRC Interim Staff Guidance JLD-ISG-2012-03, Compliance with Order EA-12-051, Reliable Spent Fuel Pool Instrumentation, Revision 0, dated August 29, 2012 (ML12221A339)
 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 (ML12240A307)
 4. Entergy's Initial Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), dated October 24, 2012 (RBG-47303) (ML12312A125)
 5. Entergy letter to NRC, Overall Integrated Plan In Response To March 12, 2012, Commission Order Modifying License With Regard To Reliable SFP Instrumentation (Order Number EA-12-051), dated February 28, 2013 (RBG-47328) (ML13066A509)

A001
NRR



Dear Sir or Madam:

On March 12, 2012, the NRC issued an order (Reference 1) to Entergy. Reference 1 was immediately effective and directs Entergy to install reliable spent fuel pool level instrumentation at River Bend Station (RBS). 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. Reference 1 also 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. 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 Entergy initial status report regarding spent fuel pool instrumentation. Reference 5 provided the Entergy overall integrated plan.

The purpose of this letter is to provide the fourth 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 attached 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 – Regulatory Assurance, at 225-381-4177.

I declare under penalty of perjury that the foregoing is true and correct; executed on February 25, 2015.

Sincerely,



EWO/JAC/dhw

Attachment: River Bend Station's (RBS) Fourth Six-Month Status Report for the Implementation of Order EA-12-051, Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation

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Attachment to

RBG-47543

River Bend Station's (RBS) Fourth Six-Month Status Report for the Implementation of Order EA-12-051, Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation

River Bend Station's (RBS) Fourth Six-Month Status Report for the Implementation of Order EA-12-051, Order to Modify Licenses with Regard to Reliable Spent Fuel Pool Instrumentation

1. Introduction

Entergy developed an Overall Integrated Plan (Reference 1 in Section 8) for River Bend Station (RBS), documenting the requirements to install reliable spent fuel pool level instrumentation (SFPI), in response to Reference 2. This attachment provides an update of milestone accomplishments since the last status report, 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 July 31, 2014 and are current as of January 31, 2015.

- Respond to NRC RAIs contained in Interim Staff Evaluation - Submitted

3. Milestone Schedule Status

The following provides an update to milestone schedule to support the Overall Integrated Plan. This section provides the activity status of each item, and the expected completion date noting any change. 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
Reliable SFPI Installed	Spring 2015 Refueling Outage	Completed	N/A
Respond to NRC RAIs Dated July 3, 2013 (Reference 5)	July 26, 2013	Submitted July 25, 2013	N/A
Respond to NRC RAIs contained in Interim Staff Evaluation	September 30, 2014	Submitted	N/A

4. Changes to Compliance Method

There are no additional changes to the compliance method.

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 Interim Staff Evaluation

RBS received an Interim Staff Evaluation that included 17 RAIs. Responses to those RAIs were closed during the onsite audit of FLEX and SFPI implementation in October 2014, as reported in Reference 7.

7. Potential Interim Staff Evaluation Impacts

There are no potential impacts to the Interim Staff Evaluation identified at this time except for those identified in Section 6.

8. References

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

1. "River Bend Station 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 28, 2013 (ML13066A509)
2. NRC Order Number EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation," dated March 12, 2012 (ML13066A509)
3. "River Bend Station, Unit 1 – Interim Staff Evaluation and Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051) (TAC NO. MF0953)," dated November 25, 2013 (ML13316C065)
4. "Summary of the November 26, 2013, Public Meeting to Discuss Industry Responses to Staff Interim Evaluations for Spent Fuel Pool Instrumentation," dated December 26, 2013 (ML13347B030)
5. "River Bend Station, Unit 1-Request for Additional Information Regarding Overall Integrated Plan for Reliable Spent Fuel Pool Instrumentation (Order EA 12-051) (TAC No. MF0953)" dated July 3, 2013 (ML13179A193)
6. "Entergy's Third Six-Month Status Report in Response to March 12, 2012 Commission Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation (Order Number EA-12-051), dated August 28, 2014, (RBG-47501) (ML14253A209)
7. "River Bend Station Unit 1 – Report for the Audit Regarding Implementation of Mitigating Strategies and Reliable Spent Fuel Pool Instrumentation Related to Orders EA-12-049 and EA-12-051," dated Feb. 18, 2015 (ML15026A645)