

## **NRR-PMDAPEm Resource**

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**From:** Koenick, Stephen  
**Sent:** Tuesday, June 07, 2016 5:10 PM  
**To:** BURMEISTER, BARRY M  
**Cc:** Anderson, Shaun; Borromeo, Joshua; Kim, James  
**Subject:** Request for Additional Information -- RBS Nineteenth Fuel Cycle Core Operating Limits Report, Rev 2 (CAC No. MF7561)  
**Attachments:** MF7561 COLR cycle 19 r2 RAI.docx

Dear Mr. Burmeister,

By letter dated February 11, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16049A257), Entergy Operations, Inc. (Entergy, the licensee), submitted Revision 2 of the River Bend Station, Unit 1 (RBS) Core Operation Limits Report (COLR) for the nineteenth fuel cycle. The report was submitted in accordance with Technical Specification (TS) 5.6.5, "Core Operating Limits Report (COLR)," of Appendix A of the Facility Operating License NPF-47.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that additional information is required in order to complete its review of the RBS COLR. The request for additional information (RAI) is attached to this email. If you have any questions, I can be reached by phone or email.

Sincerely,

**Stephen S. Koenick**

Senior Project Manager  
Plant Licensing Branch IV-2 (LPL4-2)  
Division of Operating Reactor Licensing (DORL)  
Office of Nuclear Reactor Regulation (NRR)  
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**Hearing Identifier:** NRR\_PMDA  
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**Subject:** Request for Additional Information -- RBS Nineteenth Fuel Cycle Core Operating Limits Report, Rev 2 (CAC No. MF7561)  
**Sent Date:** 6/7/2016 5:10:03 PM  
**Received Date:** 6/7/2016 5:10:00 PM  
**From:** Koenick, Stephen

**Created By:** Stephen.Koenick@nrc.gov

**Recipients:**

"Anderson, Shaun" <Shaun.Anderson@nrc.gov>  
Tracking Status: None  
"Borromeo, Joshua" <Joshua.Borromeo@nrc.gov>  
Tracking Status: None  
"Kim, James" <James.Kim@nrc.gov>  
Tracking Status: None  
"BURMEISTER, BARRY M" <BBURMEI@entergy.com>  
Tracking Status: None

**Post Office:**

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1139	6/7/2016 5:10:00 PM
MF7561 COLR cycle 19 r2 RAI.docx		29936

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

REQUEST FOR ADDITIONAL INFORMATION

NINETEENTH FUEL CYCLE CORE OPERATING LIMITS REPORT, REVISION 2

ENTERGY OPERATIONS, INC.

RIVER BEND STATION, UNIT 1

DOCKET NO. 50-458

By letter dated February 11, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16049A257), Entergy Operations, Inc. (Entergy, the licensee), submitted Revision 2 of the River Bend Station, Unit 1 (RBS) Core Operation Limits Report (COLR) for the nineteenth fuel cycle. The report was submitted in accordance with Technical Specification (TS) 5.6.5, "Core Operating Limits Report (COLR)," of Appendix A of the Facility Operating License NPF-47.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that additional information is required in order to complete its review of the RBS COLR.

As mentioned in the Entergy letter, "License Amendment Request: Changes to the Analytical Methods Referenced in Technical Specification 5.6.5, 'Core Operating Limits Report (COLR),' dated October 16, 2006 (ADAMS Accession No. ML062960299), Entergy acknowledges being consistent with the guidance presented in TSTF-363, "Revise Topical Report References in its 5.6.5, COLR [Core Operating Limits Report]," in that the dates and revision numbers are contained in the referenced COLR.

Section 3.2 of the RBS COLR for Cycle 19 lists NEDE-24011-P-A, "General Electric Standard Application for Reactor Fuel (GESTART-II)," without a revision and a date, as the analytical method used to determine the parameters found in the COLR. In the Section 5.6.5 of the RBS, Unit 1, TS, there are a number of analytical methods listed used to determine the COLR parameters, including NEDE-24011-P-A, all of which do not include revisions or dates. Since there are no revisions or dates listed for the analytic methods in the TS or COLR, the staff cannot determine what analytical method was used to develop the COLR parameters.

1. Identify the revision and date of NEDE-24011-P-A that was used in the development of the COLR parameters for Cycle 19.
2. Section 5.6.5 of the TS contains a list of many analytical methods while the COLR only has one analytical method. The extra analytical methods appear to be related to fuel types that are no longer used at RBS. Confirm that the difference in references is related to fuel types that are no longer used or if they are not used for another reason, discuss those reasons. Additionally, discuss any plans to remove these unused references from the TS.

Enclosure