



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

October 24, 2016

Vice President, Operations
Entergy Operations, Inc.
River Bend Station
5485 U.S. Highway 61 N
St. Francisville, LA 70775

**SUBJECT: RIVER BEND STATION, UNIT 1 - REVIEW OF THE CORE OPERATING
LIMITS REPORT, REVISION 2, FOR THE NINETEENTH FUEL CYCLE
(CAC NO. MF7561)**

Dear Mr. Sir or Madam:

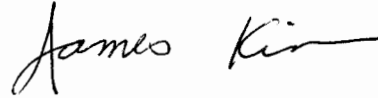
By letter dated February 11, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16049A257) as supplemented by letter dated September 12, 2016 (ADAMS Accession No. ML16259A385), Entergy Operations, Inc. (the licensee), submitted the River Bend Station, Unit 1 (RBS), Core Operating Limits Report (COLR), Revision 2, for the nineteenth fuel cycle in accordance with Technical Specification (TS) 5.6.5.

The U.S. Nuclear Regulatory Commission (NRC) staff reviewed the list of methodologies used to develop the cycle-specific parameters presented in the COLR, as well as the RBS TS to ensure parameters that are to be established by the COLR were found in this nineteenth fuel cycle COLR. A request for additional information (RAI) was issued by the staff on June 7, 2016 (ADAMS Accession No. ML16160A267), to clarify two items: 1) the version of the reload methodology that was used to develop the COLR parameters and 2) clarification of why additional analytical methods found in RBS TS 5.6.5 are present while these methods are not found in the COLR. The licensee provided a response to the RAI on September 12, 2016. In the response, the licensee identified the version of the reload methodology that was used to develop the COLR. Additionally, the licensee clarified that the additional methodologies in the list in RBS TS 5.6.5 apply to fuel types previously used at the plant and remain in the TS since the used fuel still remains in the spent fuel pool and is available for reuse if necessary.

The NRC staff concluded that the version of the reload methodology was appropriate to use for RBS since that version of the methodology is generically approved. Additionally, the NRC staff has determined that the appropriate methods used to develop the COLR parameters were listed in the COLR and that the additional analytical methods found in the TS were appropriately not included in the COLR since those additional methods are associated with fuel types that are not used for the nineteenth fuel cycle at RBS. From its review, the NRC staff determined that all the parameters required to be established by the COLR were found in this nineteenth fuel cycle COLR for RBS.

Please contact me at (301) 415-4125 or James.Kim@nrc.gov if you have any questions on this issue.

Sincerely,

A handwritten signature in black ink that reads "James Kim". The signature is fluid and cursive, with the first name "James" and last name "Kim" clearly distinguishable.

James Kim, Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-458

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- 2 -

Please contact me at (301) 415-4125 or James.Kim@nrc.gov if you have any questions on this issue.

Sincerely,

/RA/

James Kim, Project Manager
Plant Licensing IV-2 and Decommissioning
Transition Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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* e-mail dated October 12, 2016

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NAME	JKim	PBlechman	EOesterle	SKoenick
DATE	10/20 /2016	10/20 /2016	10/12/16	10/24/16

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