



Entergy Operations, Inc.
River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775
Tel 225-381-4177

William F. Maguire
Site Vice President

May 25, 2017

RBG-47735

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Subject: License Renewal Application
River Bend Station – Unit 1
Docket No. 50-458
License No. NPF-47

Dear Sir or Madam:

Pursuant to 10 CFR 51 and 10 CFR 54, Entergy Operations, Inc. (EOI) hereby applies for renewal of the operating license for the River Bend Station (RBS) to extend the license for an additional 20 years beyond the current expiration date. With renewal, the RBS operating license would be extended from midnight on August 29, 2025, to midnight on August 29, 2045.

The enclosed License Renewal Application and related Appendices contain the information required by 10 CFR 54 for the contents of an application.

As required by 10 CFR 54.21(b), current licensing basis changes which have a material effect on the contents of this application, including the Updated Safety Analysis Report (USAR) Supplement (Appendix A), will be identified at least annually while the application is under NRC review and at least three months prior to the scheduled completion of the NRC review.

This application is submitted in accordance with 10 CFR 2 Subpart A, 10 CFR 50.4, and 10 CFR 50.30. EOI hereby submits the original of the application pursuant to 10 CFR 50.4(b), 10 CFR 51.55(a), and 10 CFR 54.17(a).

Commitments contained in this application are listed in Appendix A, Section A.4.

If you require additional information, please contact the Manager – Regulatory Assurance, Mr. Tim Schenk at 225-381-4177.

I declare under penalty of perjury that the foregoing is true and correct. Executed on May 25, 2017.

Sincerely,

WFM/dhw

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Enclosures: 1. License Renewal Application
2. Appendix A – Updated Safety Analysis Report Supplement
3. Appendix B – Aging Management Programs and Activities
4. Appendix C – Response to BWRVIP Applicant Action Items
5. Appendix D – Technical Specification Changes
6. Appendix E – Applicant's Environmental Report, Operating License
Renewal Stage

RBF1-17-0058

cc: (with Enclosure)

U. S. Nuclear Regulatory Commission
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