



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

September 25, 2017

Mr. William F. Maguire  
Site Vice President  
River Bend Station, Unit 1  
Entergy Operations, Inc.  
5485 U.S. Highway 61 N  
St. Francisville, LA 70775

SUBJECT: PLAN FOR THE OPERATING EXPERIENCE REVIEW AUDIT REGARDING  
THE RIVER BEND STATION UNIT 1, LICENSE RENEWAL APPLICATION  
REVIEW (CAC NO. MF9747)

Dear Mr. Maguire:

By letter dated May 25, 2017, Entergy Operations, Inc. (Entergy) submitted an application for renewal of operating license NPF-47 for the River Bend Station, Unit 1. The staff of the U.S. Nuclear Regulatory Commission (NRC or the staff) is reviewing this application in accordance with the guidance in NUREG-1800, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants."

The staff plans to conduct its Operating Experience Review at the Nuclear Energy Institute office in Rockville, Maryland from October 2, 2017, through October 13, 2017, in accordance with the enclosed operating experience review audit plan. If you have any questions, please contact me by telephone at 301-415-4084 or by e-mail at [Emmanuel.Sayoc@nrc.gov](mailto:Emmanuel.Sayoc@nrc.gov).

Sincerely,

*/RA/*

Emmanuel Sayoc, Project Manager  
Projects Management and Guidance Branch  
Division of License Renewal  
Office of Nuclear Reactor Regulation

Docket No. 50-458

Enclosures:

1. Audit Plan
2. Audit Needs List

cc w/encl: Listserv

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**ADAMS Accession Nos. ML17262A200**

OFFICE	PM:RPGB:DLR	LA:RPGB:DLR	PM:RCCB:DLR
NAME	ESayoc	YEdmonds	BRogers
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DATE	9/25/2017	9/25/2017	9/25/2017

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## **Audit Plan**

### **Plan For The Operating Experience Review Audit Regarding The River Bend Station Unit 1, License Renewal Application**

**October 2-13, 2017**

**Division of License Renewal  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission**

## **Plan For The Operating Experience Review Audit Regarding The River Bend Station Unit 1, License Renewal Application**

### **1. Background**

The NRC staff performs an independent review of plant specific operating experience to identify examples of age related degradation, as documented in the applicant's corrective action program database. These activities are performed as part of the staff's review of the River Bend Station (RBS) license renewal application.

### **2. Regulatory Audit Bases**

License renewal requirements are specified in Title 10 of the *Code of Federal Regulations* (10 CFR), Part 54, "Requirements for Renewal of Operating Licenses for Nuclear Power Plants." Guidance is provided in NUREG-1800, Rev. 2, "Standard Review Plan for Review of License Renewal Applications for Nuclear Power Plants" (SRP-LR), dated December 2010, and NUREG-1801, Rev. 2, "Generic Aging Lessons Learned (GALL) Report," dated December 2010.

### **3. Regulatory Audit Scope**

The scope of this license renewal regulatory audit of RBS is the staff's independent review of plant specific operating experience. The review is performed to identify pertinent examples of age related degradation, as documented in the applicant's corrective action program database. The results of the audit will be used to support the staff's further review of aging management programs (AMP), time limited aging analyses (TLAAs) and aging management review line items to provide a basis for the staff's conclusions on the ability of the applicant's proposed AMP and TLAAs to manage the effects of aging in the period of extended operation.

The staff will use risk insights to focus the breadth and depth of its review of plant specific operating experience. However, the staff's review is not limited to risk significant systems and components because 10 CFR Part 54 is a deterministic rule. The staff must conclude that there is reasonable assurance that activities will continue to be conducted in accordance with the current licensing basis and the effects of aging will be managed during the period of extended operation for all structures and components within the scope of 10 CFR Part 54.

### **4. Information and Other Material Necessary for the Regulatory Audit**

As described in the Audit Needs List

## 5. Team Assignments

Area of Review	Assigned Auditors
Documentation of plant specific operating experience as described in the River Bend Station corrective action program database. Disciplines include mechanical, materials, structural, electrical and systems.	Allik, Brian Chereskin, Alexander Fu, Bart Gavula, James Holston, William Lehman, Bryce Medoff, James Mink, Aaron Nold, David Prinaris, Andrew Sadollah, Mohammad Sun, Summer Wong, Albert Yoo, Mark Buford, Angela Cuadrado de Jesus, Samuel Gardner, William Hoang, Dan Huynh, Alan Lopez, Juan Min, Seung Nguyen, Duc Otto, Ngola Rogers, Billy Sayoc, Emmanuel Thomas, George Yoder, Matthew Steve Jones

## 6. Logistics

The audit will be conducted on location at the Nuclear Energy Institute office, located in Rockville, Maryland, from of October 2 through October 13, 2017. Entrance and exit briefings will be held at the beginning and end of this audit, respectively.

**7. Special Requests**

The staff requests River Bend to provide electronic access to Entergy information, as discussed in the Audit Needs List. The NRC staff requests a suitable facility for the audit team to caucus during the audit and to hold meetings between staff and Entergy personnel.

**8. Deliverables**

An audit report should be issued to River Bend within 90 days from the end of the audit.

**Operating Experience Review for the River Bend Station Unit 1,  
License Renewal Application  
Audit Needs List**

**1. Operating Experience Keyword Review Results**

The staff requests electronic access, using Entergy equipment, to the results of the operating keyword list query of Entergy's corrective action database. The results are expected to be in an excel workbook, organized by keywords.

**2. Corrective Action Program Database**

The staff requests electronic access, using Entergy's equipment, to the Entergy's corrective action database to perform independent searches of the database.

**3. License Renewal Portal**

The staff requests electronic access, using Entergy's equipment, to the license renewal portal.