

RBG-48370

10CFR50.55a

July 29, 2025

ATTN: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Subject: Submittal of Owner's Activity Report Form for Cycle 23

River Bend Station – Unit 1
NRC Docket No. 50-458
Renewed Facility Operating License No. NPF-47

In accordance with ASME Code Case N-532-5, please find enclosed the River Bend Station Cycle 23 Owner's Activity Report Form.

This letter does not contain any commitments.

If you have any questions or require additional information, please contact Mr. Jack McCoy at (225) 378-3310 or jmccoy1@entergy.com.

Respectfully,

**Jack
McCoy**

Digitally signed by Jack McCoy
DN: cn=Jack McCoy, o=Entergy, River
Bend Station, ou=Regulatory and
Emergency Preparedness Manager,
email=jmccoy1@entergy.com
Date: 2025.07.29 09:10:39 -05'00'

Jack McCoy

JM/tf

Enclosure: River Bend Station Cycle 23 Owner's Activity Report Form

cc: NRC Regional Administrator - Region IV
NRC Project Manager - River Bend Station
NRC Senior Resident Inspector - River Bend Station

Enclosure

RBG-48370

River Bend Station Cycle 23 Owner's Activity Report Form

(3 Pages)

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: Cycle 23/Refueling Outage

Page 1 of 3

Plant: River Bend Station, 5485 U.S. Highway 61, Saint Francisville, Louisiana 70775

Unit No: 1 Commercial Service Date: 06/16/1986
(if applicable)

Refueling Outage No.: 23

Current Inspection Interval: 4th
(1st, 2nd, 3rd, 4th, Other)

Current Inspection Period: 3rd
(1st, 2nd, 3rd)

Edition and Addenda of Section XI applicable to the Inspection Plans: 2007 Edition through 2008 Addendum
Also 2001 Edition Through 2003 Addendum

Date and Revision of Inspection Plans: SEP-ISI-RBS-001 Revision 13 Dated 4/17/25

Edition and Addenda of Section XI applicable to repair/replacement activities, if different than the Inspection Plans:

N/A

Code Cases used for inspection and evaluation: N-532-5 ; N-892
(if applicable, including cases modified by Case N-532 and later revisions)

CERTIFICATE OF CONFORMANCE

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of 23 conform to the requirements of Section XI.
(refueling outage number)

*The NIS-2A form for R/R Plan IS-1-23-01 could not be signed as documented in CR-RBS-2024-05832.

*The NIS-2A form for R/R Plan IS-1-23-03 could not be signed as documented in CR-RBS-2025-04098.


Signed: Seth Bratton ASME Engineer Bratton Date: 7/28/2025
Owner or Owner's Designee, Title

DN: cn=Seth Bratton, o=Entergy,
ou=Eng Code Programs,
email=sbrat90@entergy.com
Location: WF3
Date: 2025.07.28 13:37:36 -05'00'

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company of Hartford Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

 Steven Allen
Inspector's Signature

Commissions: 16256 RNT
(National Board Number and

Endorsement)

Date: 7/28/25

FORM OAR-1 OWNERS ACTIVITY REPORT

Report Number: Cycle 23/ Refueling OutagePage 3 of 3Plant: River Bend Station, 5485 U.S. Highway 61, Saint Francisville, Louisiana 70775Unit No: 1 Commercial Service Date: 06/16/1986 Refueling Outage No.: 23
(if applicable)

TABLE 1: ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE		
Examination Category and Item Number	Item Description	Evaluation Description
IWF-2500 F1.10	Pipe Support WCS-PSR-3010-A1	Failed VT-3 exam documented under CR-RBS-2025-01018. EC 54247929 evaluated the condition and determined the supports to be acceptable for service.
IWF-2500 F1.10	Pipe Support WCS-PSR-3009-A1	Failed VT-3 exam documented under CR-RBS-2025-01018. EC 54247929 evaluated the condition and determined the supports to be acceptable for service.
IWB-2500 B6.20	RPV Head Stud B13-D001-S-1-64	An unexpected signal response was observed within the examination area of stud ID# G-1 (B13-D001-S-1-64) under CR-RBS-2025-00714. The deficient condition was limited to the indication identified on 1 of 64 RPV head studs during ISI UT examinations in RF23. The indication could not currently be characterized without removing the affected stud. RBS Leadership Team made the decision not to replace the stud in RF23. NRC verbally approved Relief Request RBS-ISI-020 to leave the stud in place until next cycle (RF24). The reexamination will be scheduled for RF24. CR-RBS-2025-00714 CA-4 documents stud replacement and satisfactory ISI inspection exam that was deferred, with NRC approval, from RF23 to RF24.

TABLE 2: ABSTRACT OF REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE				
Code Class	Item Description	Description of Work	Date Completed	Repair/Replacement Plan Number
1	E12-AOVF041A Stud	Replace stud that was sheared off during disassembly.	6/10/2025	IS-1-19-1701 CR-RBS-2025-03503 for late closure