



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BOULEVARD
ARLINGTON, TEXAS 76011-4511

March 11, 2025

Phil Hansett, Site Vice President
Entergy Operations, Inc.
5485 U.S. Highway 61N
St. Francisville, LA 70775

SUBJECT: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION - REPORT
05000458/2024006

Dear Phil Hansett:

The U.S. Nuclear Regulatory Commission (NRC) has completed its end-of-cycle performance assessment of River Bend Station, reviewing performance indicators (PIs), inspection results, and enforcement actions from January 1, 2024, through December 31, 2024. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. The NRC concluded that overall performance at your facility preserved public health and safety. The baseline inspection program was completed at your facility as defined in Inspection Manual Chapter 2515, "Light-Water Reactor Inspection Program - Operations Phase."

The NRC determined the performance at River Bend Station during the most recent quarter was within the Licensee Response Column, the highest performance category of the NRC's Reactor Oversight Process (ROP) Action Matrix, because all inspection findings had very low safety significance (i.e., Green), and all PIs were within the expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

At the start of the assessment period, River Bend Station performance was within the Regulatory Response column, the second highest performance column, based on a White finding in the Mitigating systems cornerstone and a White finding in the Emergency Preparedness cornerstone originating in the third quarter of 2023 and all PIs within the expected range (i.e., Green). The NRC notified you in "River Bend Station - 95001 Supplemental Inspection Report 05000458/2023040 and Follow-Up Assessment Letter" dated January 18, 2024 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24017A045), of closure of the White finding in the Mitigating Systems cornerstone. The NRC also notified you in "River Bend Station - 95001 Supplemental Inspection Report 05000458/2024040 and Follow-up Assessment Letter" dated March 15, 2024 (ADAMS Accession No. ML24074A476), of closure of the White finding in the Emergency Preparedness cornerstone and the station's transition to the Licensee Response Column as of February 1, 2024.

The enclosed inspection plan lists the inspections scheduled through December 31, 2026. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. Routine inspections performed by resident inspectors are not

included in the inspection plan. The inspections listed during the last twelve months of the inspection plan are tentative and may be revised. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes.

The enclosed inspection plan includes Inspection Procedure 71003, "Post-Approval Site Inspection for License Renewal," which will take place from May 5, 2025, to May 23, 2025. The Regional Administrator has authorized the NRC to conduct this inspection. Additionally, from January 1, 2024, to December 31, 2024, the NRC issued three traditional enforcement Severity Level (SL) IV non-cited violations (NCVs) associated with impeding the regulatory process. Therefore, the NRC plans to conduct Inspection Procedure 92723, "Planned Follow up Inspection of One SL III and Two SL IV Traditional Enforcement Violations in the Same Area in a 12-month Period," to follow-up on these violations after the station informs the NRC of its readiness. The Regional Administrator authorized this inspection in Assessment Letter 05000298/2022006, dated March 1, 2023. The scope of this inspection will include the twelve SL IV NCVs issued between September 30, 2022, and December 31, 2024.

This letter and its enclosure will be made available for public inspection and copying at [ADAMS Public Documents | NRC.gov](#) and at the NRC Public Document Room in accordance with Title 10 of the Code of Federal Regulations 2.390, "Public Inspections, Exemptions, Requests for Withholding."

Please contact Douglas Dodson at (817) 200-1148 with any questions you have regarding this letter.

Sincerely,



Signed by Miller, Geoffrey
on 03/11/25

Geoffrey B. Miller, Director
Division of Operating Reactor Safety

Docket No. 05000458
License No. NPF-47

Enclosure:
Inspection Plan

cc w/ encl: Distribution via LISTSERV

ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION – REPORT 05000458/2024006
– DATED MARCH 11, 2025

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DOCUMENT NAME: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION – REPORT
05000458/2024006

ADAMS ACCESSION NUMBER: **ML25065A050**

☒ SUNSI Review ADAMS: ☐ Non-Publicly Available ☒ Non-Sensitive Keyword:
By: DED ☒ Yes ☐ No ☒ Publicly Available ☐ Sensitive NRC-002

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OFFICIAL RECORD COPY

Site Inspection Activity Plan

07200049 - River Bend (ISFSI)

01/01/2025 - 12/31/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
River Bend ISFSI non-loading inspection and ISFSI Aging Management Inspection						2
	3/17/2025	4/11/2025	IP 60855	001001	Operation Of An ISFSI	
	3/17/2025	4/11/2025	IP 60859	001921	Independent Spent Fuel Storage Installation (ISFSI) License Renewal Inspection	
River Bend ISFSI Pad Pour (one week during construction)						2
	1/1/2026	1/31/2026	IP 60853	000999	Onsite Fabrication of Components and Construction of an Independent Spent Fuel Storage Installation	

Site Inspection Activity Plan

River Bend

01/01/2025 - 12/31/2026

Unit	Start	End	Activity	CAC	Title	Staff Count
Inservice Inspection- RBS						1
1	2/14/2025	2/22/2025	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RP 1,3,PI - RBS						2
1	2/17/2025	2/21/2025	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	2/17/2025	2/21/2025	IP 71151	000746	Performance Indicator Verification	
License Renewal 71003- RBS (Phase 2)						5
1	5/5/2025	5/9/2025	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
1	5/19/2025	5/23/2025	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
RBS 2025 Biennial PI&R						4
1	6/8/2025	6/14/2025	IP 71152B	000747	Problem Identification and Resolution	
1	6/22/2025	6/28/2025	IP 71152B	000747	Problem Identification and Resolution	
Security Access Control (71130.02), Security Plan Changes (71130.09), Security PIV (71151)						1
1	6/23/2025	6/27/2025	IP 71130.02	000734	Access Control	
1	6/23/2025	6/27/2025	IP 71130.09	001656	Security Plan Changes	
1	6/23/2025	6/27/2025	IP 71151	001338	Performance Indicator Verification	
EP 2025 Program Inspection - RBS						1
1	7/14/2025	7/18/2025	IP 71114.02	000717	Alert and Notification System Testing	
1	7/14/2025	7/18/2025	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	7/14/2025	7/18/2025	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	7/14/2025	7/18/2025	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	7/14/2025	7/18/2025	IP 71151	001397	Performance Indicator Verification	
RP 5,8 - RBS						2
1	8/4/2025	8/8/2025	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	8/4/2025	8/8/2025	IP 71124.08	000732	Radioactive Solid Waste Processing & Radioactive Material Handling, Storage, & Transportation	
Age-Related Degradation Inspection - River Bend Station						3
1	9/8/2025	9/12/2025	IP 71111.21N.04	001832	Age-Related Degradation	
1	9/22/2025	9/26/2025	IP 71111.21N.04	001832	Age-Related Degradation	
CyberSecurity - RBS						4
1	9/28/2025	10/3/2025	IP 71130.10	000741	Cybersecurity	
FORCE-ON-FORCE PLANNING AND EXERCISE WEEKS - RB						5
1	9/29/2025	10/3/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	10/20/2025	10/24/2025	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	

Site Inspection Activity Plan

RBS 2025 INITIAL EXAM

4

1	10/19/2025	10/25/2025	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)
1	11/16/2025	11/22/2025	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)

RP 1,4,PI - RBS

2

1	2/2/2026	2/6/2026	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls
1	2/2/2026	2/6/2026	IP 71124.04	000728	Occupational Dose Assessment
1	2/2/2026	2/6/2026	IP 71151	000746	Performance Indicator Verification

Fire Protection Inspection - RBS

3

1	2/23/2026	3/6/2026	IP 71111.21N.05	001646	Fire Protection Team Inspection (FPTI)
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Security AA-AC-PIV-Plan Change

2

1	3/16/2026	3/20/2026	IP 71130.01	000733	Access Authorization
1	3/16/2026	3/20/2026	IP 71130.02	000734	Access Control
1	3/16/2026	3/20/2026	IP 71130.09	001656	Security Plan Changes
1	3/16/2026	3/20/2026	IP 71151	001338	Performance Indicator Verification

In-Office Exercise Scenario Review (2026) - RBS

5

1	4/24/2026	5/23/2026	IP 71114.08	000723	Exercise Evaluation - Scenario Review
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EP Exercise & PI Inspection (2026) - RBS

5

1	6/22/2026	6/26/2026	IP 71114.01	000716	Exercise Evaluation
1	6/22/2026	6/26/2026	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes
1	6/22/2026	6/26/2026	IP 71151	001397	Performance Indicator Verification

Security Protective Strategy (71130.05) and Target Sets (71130.14)

3

1	8/10/2026	8/14/2026	IP 71130.05	000737	Protective Strategy Evaluation
1	8/10/2026	8/14/2026	IP 71130.14	000743	Review of Power Reactor Target Sets

RBS 2026 BRQ

2

1	8/30/2026	9/5/2026	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance
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Security FFD

1

1	9/21/2026	9/25/2026	IP 71130.08	000740	Fitness-For-Duty Program
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RBS 2026 INITIAL EXAM

4

1	10/18/2026	10/24/2026	OV	000956	FB-OR-Onsite Validation Of Initial License Examination (OV)
1	11/29/2026	12/5/2026	EXAD	000500	FB-OR-Initial License Exam Administration (EXAD)