



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

March 4, 2019

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

SUBJECT: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION  
(REPORT 05000458/2018006)

Dear Mr. Vercelli:

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, 2018, through December 31, 2018. 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 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.

The enclosed inspection plan lists the inspections scheduled through December 31, 2020. This updated inspection plan now includes planned security inspections, which were formerly transmitted under separate correspondence. 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. You should be aware that the agency is pursuing potential changes to the ROP, including changes to engineering inspections (SECY-18-0113, "Recommendations for Modifying the Reactor Oversight Process Engineering Inspections"). Should these changes to the ROP be implemented, the engineering and other region-based inspections are subject to change in scope, as well as schedule, beginning in January 2020. The inspections listed during the last 12 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.

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390 of the NRC's "Rules of Practice," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at (817) 200-1144 with any questions you have regarding this letter.

Sincerely,

/RA/

Jason W. Kozal, Branch Chief  
Project Branch C  
Division of Reactor Projects

Docket No. 50-458  
License No. NPF-47

Enclosure:  
Inspection Plan

# IP 22 Inspection Activity Plan Report

## River Bend

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>RBS RI 4TH QUARTERLY REPORT</b>						<b>2</b>
1	09/01/2018	12/31/2019	IP 60855.1	000590	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
1	09/01/2018	12/31/2019	IP 92702	000238	Followup on Corrective Actions For Violations And Deviations	
<b>Security Access Control .02</b>						<b>1</b>
1	12/17/2018	02/25/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
1	06/10/2019	06/14/2019	IP 71130.02	000734	Access Control	
1	06/10/2019	06/14/2019	IP 71151	001338	Performance Indicator Verification	
<b>EOI CO Inspection</b>						<b>2</b>
1	01/01/2019	03/31/2019	IP 92702	000238	Followup on Corrective Actions For Violations And Deviations	
<b>BIENNIAL PI&amp;R</b>						<b>4</b>
1	02/11/2019	03/01/2019	IP 71152B	000747	Problem Identification and Resolution	
<b>INSERVICE INSPECTION RF20</b>						<b>1</b>
1	04/01/2019	04/05/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RP INSPECTION (1,2) - RFO</b>						<b>2</b>
1	04/08/2019	04/19/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	04/08/2019	04/19/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>RP TEAM INSPECTION</b>						<b>4</b>
1	07/08/2019	07/12/2019	IP 71124.05	000729	Radiation Monitoring Instrumentation	
1	07/08/2019	07/12/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
1	07/08/2019	07/12/2019	IP 71124.07	000731	Radiological Environmental Monitoring Program	
1	07/08/2019	07/12/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>RIVER BEND DBA PROGRAMS EQ INSPECTION</b>						<b>3</b>
1	07/15/2019	08/02/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>EP PROGRAM INSPECTION</b>						<b>1</b>
1	07/22/2019	07/26/2019	IP 71114.02	000717	Alert and Notification System Testing	
1	07/22/2019	07/26/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
1	07/22/2019	07/26/2019	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	

This report does not include INPO and OUTAGE activities.  
 This report shows only on-site and announced inspection procedures.

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## River Bend

01/01/2019 - 12/31/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EP PROGRAM INSPECTION</b>						1
1	07/22/2019	07/26/2019	IP 71114.05	000720	Maintenance of Emergency Preparedness	
1	07/22/2019	07/26/2019	IP 71151	001397	Performance Indicator Verification	
<b>FORCE-ON-FORCE PLANNING AND EXERCISES</b>						6
1	10/07/2019	10/11/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
1	10/28/2019	11/01/2019	IP 71130.03	000735	Contingency Response - Force-On-Force Testing	
<b>TRIENNIAL FIRE PROTECTION INSPECTION</b>						4
1	10/20/2019	10/26/2019	IP 71111.05T	000696	Fire Protection (Triennial)	
1	11/03/2019	11/09/2019	IP 71111.05T	000696	Fire Protection (Triennial)	
<b>RBS 2019 INITIAL EXAM</b>						5
1	10/20/2019	10/26/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	11/17/2019	11/30/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>RS24 Radiation Safety</b>						2
1	02/10/2020	02/14/2020	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	02/10/2020	02/14/2020	IP 71124.04	000728	Occupational Dose Assessment	
<b>RS13PI Radiation Safety</b>						2
1	05/18/2020	05/22/2020	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	05/18/2020	05/22/2020	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>EP Exercise and PI Inspection</b>						4
1	06/22/2020	06/26/2020	IP 71114.01	000716	Exercise Evaluation	
1	06/22/2020	06/26/2020	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	06/22/2020	06/26/2020	IP 71151	001397	Performance Indicator Verification	
<b>River Bend 1 - Design Bases Assurance Inspection (Teams)</b>						6
1	07/13/2020	07/17/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
1	07/27/2020	07/31/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>RBS 2020 BRQ</b>						2
1	08/30/2020	09/05/2020	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	

ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION  
(REPORT 05000458/2018006) – March 4, 2019

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**ADAMS ACCESSION NUMBER: ML19057A462**

SUNSI Review      ADAMS:       Non-Publicly Available       Non-Sensitive      Keyword:  
 By: JWK       Yes     No       Publicly Available       Sensitive      NRC-002

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