



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

March 1, 2018

Mr. William F. Maguire
Vice President
Entergy Operations, Inc.
River Bend Station
5485 US Highway 61N
St. Francisville, LA 70775

**SUBJECT: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION
(REPORT 05000458/2017006)**

Dear Mr. Maguire:

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, 2017, through December 31, 2017. 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, 2019. 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. 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.

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 the NRC's document system Agencywide Documents Access and Management 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, 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

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
RAD SAFETY 2,4						2
1	01/22/2018	01/26/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	01/22/2018	01/26/2018	IP 71124.04	000728	Occupational Dose Assessment	
TI 2515/194						3
1	02/05/2018	02/09/2018	TI 2515/194	000512	Inspection of the Licensee's Implementation of Industry Initiative Associated With the Open Phase Condition Design Vulnerabilities In Electric Power Systems (NRC Bulletin 2012-01)	
LICENSE RENEWAL INSPECTION						4
1	02/26/2018	03/09/2018	IP 71002	000686	License Renewal Inspection	
1	03/19/2018	03/23/2018	IP 71002	000686	License Renewal Inspection	
CYBER SECURITY INSPECTION						6
1	05/07/2018	05/11/2018	IP 71130.10P	000741	Cyber Security	
1	05/21/2018	05/25/2018	IP 71130.10P	000741	Cyber Security	
INITIAL EXAM						6
1	06/17/2018	06/23/2018	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
1	07/22/2018	07/28/2018	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
EP EXERCISE INSPECTION						4
1	06/25/2018	06/29/2018	IP 71114.01	000716	Exercise Evaluation	
1	06/25/2018	06/29/2018	IP 71114.04	000719	Emergency Action Level and Emergency Plan Changes	
1	06/25/2018	06/29/2018	IP 71151	001397	Performance Indicator Verification	
SECURITY TEAM INSPECTION						2
1	07/23/2018	07/27/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
1	07/23/2018	07/27/2018	IP 71130.07	000739	Security Training	
BRQ						2
1	08/26/2018	09/01/2018	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance - Biennial	
RBS 50.59 CHANGES, TESTS, EXPERIMENTS						3
1	09/10/2018	09/14/2018	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

River Bend

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
SECURITY SOLO INSPECTION						1
1	09/24/2018	09/28/2018	IP 71130.02	000734	Access Control	
1	09/24/2018	09/28/2018	IP 71151	001338	Performance Indicator Verification	
MAT'L CONTROL & ACCOUNTING						1
1	11/05/2018	11/09/2018	IP 71130.11	000742	Material Control and Accounting (MC&A)	
RAD SAFETY 1,3						2
1	11/05/2018	11/09/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	11/05/2018	11/09/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
1	11/05/2018	11/09/2018	IP 71151	000746	Performance Indicator Verification	
SECURITY SOLO INSPECTION						1
1	01/07/2019	01/11/2019	IP 71130.02	000734	Access Control	
1	01/07/2019	01/11/2019	IP 71151	001338	Performance Indicator Verification	
BIENNIAL PI&R INSPECTION						4
1	02/11/2019	02/15/2019	IP 71152B	000747	Problem Identification and Resolution	
1	02/25/2019	03/01/2019	IP 71152B	000747	Problem Identification and Resolution	
INSERVICE INSPECTION RF20						1
1	02/18/2019	02/22/2019	IP 71111.08G	000701	Inservice Inspection Activities - BWR	
RP INSPECTION						3
1	02/25/2019	03/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
1	02/25/2019	03/01/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
1	02/25/2019	03/01/2019	IP 71151	000746	Performance Indicator Verification	
RP TEAM INSPECTION						4
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	
RIVER BEND DBA PROGRAMS EQ INSPECTION						3
1	07/15/2019	08/02/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	

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 This report shows only on-site and announced inspection procedures.

IP 22 Inspection Activity Plan Report

River Bend

01/01/2018 - 12/31/2019

Unit	Start	End	Activity	CAC	Title	Staff Count
EP PROGRAM INSPECTION						1
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	
1	07/22/2019	07/26/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	07/22/2019	07/26/2019	IP 71151	001397	Performance Indicator Verification	
FORCE-ON-FORCE PLANNING AND EXERCISES						8
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	
INITIAL EXAM						7
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)	
TRIENNIAL FIRE PROTECTION INSPECTION						4
1	10/21/2019	10/25/2019	IP 71111.05T	000696	Fire Protection (Triennial)	
1	11/04/2019	11/08/2019	IP 71111.05T	000696	Fire Protection (Triennial)	

ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION (REPORT 05000458/2017006) DATED MARCH 1, 2018

Distribution:

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 DRS Branch Chiefs
 ROP Reports Resource
 ROP Assessment Resource

ADAMS ACCESSION NUMBER: ML18057B137

SUNSI Review ADAMS: Non-Publicly Available Non-Sensitive Keyword:
 By: CYoung/dll/rdr Yes No Publicly Available Sensitive NRC-002

OFFICE	RIV/DRP/SPE	RIV/DRP/C	RIV/DRS/C	RIV/DRP/D	RIV/DRP/D	
NAME	CYoung	JKozal	JGroom	AVegel	TPruett	
SIGNATURE	/RA/	/RA/	/RA/	/RA/	/RA RLantz for/	
DATE	2/23/18	2/23/18	2/23/18	2/23/18	2/23/18	

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