



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION IV
1600 E. LAMAR BLVD.
ARLINGTON, TX 76011-4511

March 2, 2016

William F. Maguire
Interim 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 05000458/2015006)**

Dear Mr. Maguire:

On February 17, 2016, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the River Bend Station. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2015 through December 31, 2015. 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 determined the performance at the River Bend Station during the most recent quarter was within the Regulatory Response Column (Column 2) of the NRC's Reactor Oversight Process (ROP) Action Matrix because of one or more greater-than-green Security Cornerstone inputs as described in Inspection Report 05000458/2014406 dated September 24, 2014, (ML14268A573), and one White input in the Mitigating Systems Cornerstone as described in our letter dated September 10, 2015, (ML15253A352).

On October 7, 2015, the NRC completed a supplemental inspection to review the actions taken to address the performance issues associated with the greater-than-green Security Cornerstone input(s) referenced above. Based on the results of this inspection, as described in Inspection Report 05000458/2015409 dated November 2, 2015, (ML15306A420), the greater-than-green Security Cornerstone input(s) are not considered as an Action Matrix input as of the end of the fourth quarter of 2015.

On February 1, 2016, your staff notified the NRC of your readiness for our office to conduct a supplemental inspection to review the actions taken to address the performance issues associated with the White Mitigating Systems Cornerstone finding referenced above. Therefore, in addition to ROP baseline inspections, the NRC plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area," beginning on March 21, 2016. The supplemental inspection will provide assurance that the root causes and contributing causes of risk-significant performance issues are understood; the extent of condition and extent of cause of risk-significant performance issues are identified; and, the corrective actions for risk-significant

performance issues are sufficient to address the root and contributing causes and prevent recurrence.

As discussed in previous assessment letters dated March 4, 2015, (ML15063A562), and September 1, 2015, (ML15243A564), the NRC also plans to conduct a supplemental inspection in accordance with Inspection Procedure 95001 to review the actions taken to address the performance issues associated with a White Unplanned Scrams with Complications PI, which was a White Action Matrix input from the fourth quarter of 2014 through the third quarter of 2015. The NRC has not yet received notification of your readiness for us to conduct this supplemental inspection.

The enclosed inspection plan lists the inspections scheduled through December 31, 2017. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In response to the accident at Fukushima, the Commission issued Order EA-12-049, "Order Modifying Licenses with Regard to Requirements for Mitigation Strategies for Beyond-Design-Basis External Events." This Order requires licensees to develop, implement, and maintain guidance and strategies to maintain or restore core cooling, containment, and spent fuel pool cooling capabilities following a beyond-design-basis external event. Additionally, the Commission issued Order EA-12-051, "Order Modifying Licenses with Regard to Reliable Spent Fuel Pool Instrumentation." This Order requires licensees to have a reliable means of remotely monitoring wide-range Spent Fuel Pool levels to support effective prioritization of event mitigation and recovery actions in the event of a beyond-design-basis external event. The NRC is conducting audits of licensee efforts towards compliance with these Orders. This audit includes an onsite component in order for the NRC to evaluate licensee plans for complying with the Orders, as described in site-specific submittals, and to receive and review information relative to associated open items. This onsite activity will occur in the months prior to a declaration of compliance for the first unit at each site, and will aid staff in development of an ultimate Safety Evaluation for the site. The date for the onsite component at your site is being coordinated with your staff. A site-specific audit plan for the visit will be provided in advance to allow sufficient time for preparations. Following the audit, and after the NRC staff receives the Final Compliance letter for the site, the Final Safety Evaluation will be issued. Then, the NRC staff will confirm through inspections the full implementation of the orders mentioned above by performing Temporary Instruction 191, "Inspection of the Implementation of Mitigation Strategies and Spent Fuel Pool Instrumentation Orders and Emergency Preparedness Communication/Staffing/Multi-Unit Dose Assessment Plans."

In accordance with Title 10 of the *Code of Federal Regulations* (10 CFR) 2.390, "Public Inspections, Exemptions, Requests for Withholding," a copy of this letter, its enclosure, and your response (if any) will be available electronically for public inspection in the NRC's Public

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Document Room or from the Publicly Available Records (PARS) component of NRC's 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 Greg Warnick at 817-200-1144 with any questions you have regarding this letter.

Sincerely,

/RA/

Troy Pruett, Director
Division of Reactor Projects

Docket No: 50-458

License No: NPF-47

Enclosure:
River Bend Station Inspection/
Activity Plan

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ADAMS ACCESSION NUMBER: ML16061A414

<input checked="" type="checkbox"/> SUNSI Review By: CHY	ADAMS: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Sensitive <input checked="" type="checkbox"/> Non-Sensitive	<input type="checkbox"/> Non-Publicly Available <input checked="" type="checkbox"/> Publicly Available	Keyword NRC-002
OFFICE	BC:DRP/C	D:DRS	D:DRP	
NAME	GWarnick	AVegel	TPruett	
SIGNATURE	/RA/CYoung, for	/RA/	/RA/RLantz, for	
DATE	3/1/16	3/1/16	2/26/16	

OFFICIAL RECORD COPY

Letter to William Maguire from Troy Pruett, dated March 2, 2016

SUBJECT: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION
(REPORT 05000458/2015006)

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River Bend
Inspection / Activity Plan
04/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			EXAM - INITIAL EXAM		4
1	08/15/2016	08/19/2016	X02575	INITIAL EXAM RIVER BEND STATION UNIT 1 (09/2016)	
1	09/12/2016	09/16/2016	X02575	INITIAL EXAM RIVER BEND STATION UNIT 1 (09/2016)	
			EB2-05T - TRIENNIAL FIRE PROTECTION INSPECTION		4
1	04/11/2016	04/15/2016	IP 7111105T	Fire Protection [Triennia]	
1	04/25/2016	04/29/2016	IP 7111105T	Fire Protection [Triennia]	
			ISFSI - ROUTINE ISFSI (ONE WEEK IN MONTH)		1
1	05/09/2016	05/13/2016	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			RS 13 PI - RADIATION SAFETY		2
1	06/13/2016	06/17/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	06/13/2016	06/17/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	06/13/2016	06/17/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	06/13/2016	06/17/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EP-2 - EP PERFORMANCE INDICATORS		2
1	06/27/2016	07/01/2016	IP 71151-EP01	Drill/Exercise Performance	
1	06/27/2016	07/01/2016	IP 71151-EP02	ERO Readiness	
1	06/27/2016	07/01/2016	IP 71151-EP03	Alert & Notification System Reliability	
			EP-3 - BIENNIAL EXERCISE INSPECTION		4
1	06/27/2016	07/01/2016	IP 7111401	Exercise Evaluation	
1	06/27/2016	07/01/2016	IP 7111404	Emergency Action Level and Emergency Plan Changes	
			INSP - BIENNIAL REQUAL INSPECTION		2
1	08/29/2016	09/02/2016	IP 7111111B	Licensed Operator Requalification Program	
			71111.08 - INSERVICE INSPECTION		1
1	02/13/2017	02/17/2017	IP 7111108G	Inservice Inspection Activities - BWR	
			RS 12 PI - RADIATION SAFETY		3
1	02/13/2017	02/17/2017	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	02/13/2017	02/17/2017	IP 71124.02	Occupational ALARA Planning and Controls	
1	02/13/2017	02/17/2017	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	02/13/2017	02/17/2017	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			EB1-21T - RBS COMPONENT DESIGN BASIS INSPECTION		5
1	03/27/2017	04/28/2017	IP 7111121	Component Design Bases Inspection	
			TSB 52B - BIENNIAL PI&R		5
1	06/12/2017	06/16/2017	IP 71152B	Problem Identification and Resolution	

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

River Bend
Inspection / Activity Plan
04/01/2016 - 12/31/2017

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			TSB 52B - BIENNIAL PI&R		5
1	06/26/2017	06/30/2017	IP 71152B	Problem Identification and Resolution	
			EP-1 - BIENNIAL EP PROGRAM INSPECTION		1
1	07/24/2017	07/28/2017	IP 7111402	Alert and Notification System Testing	
1	07/24/2017	07/28/2017	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	07/24/2017	07/28/2017	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	07/24/2017	07/28/2017	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			EP-2 - EP PERFORMANCE INDICATOR VERIFICATION		1
1	07/24/2017	07/28/2017	IP 71151-EP01	Drill/Exercise Performance	
1	07/24/2017	07/28/2017	IP 71151-EP02	ERO Readiness	
1	07/24/2017	07/28/2017	IP 71151-EP03	Alert & Notification System Reliability	
			RS 5678 - RS TEAM		5
1	08/21/2017	08/25/2017	IP 71124.05	Radiation Monitoring Instrumentation	
1	08/21/2017	08/25/2017	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/21/2017	08/25/2017	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/21/2017	08/25/2017	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			EB1-07T - RBS HEAT SINK PERFORMANCE		1
1	09/18/2017	09/22/2017	IP 7111107T	Heat Sink Performance	
			EB2-02 - LICENSE RENEWAL INSPECTION		4
1	11/27/2017	12/01/2017	IP 71002	License Renewal Inspection	
1	12/11/2017	12/15/2017	IP 71002	License Renewal Inspection	

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