



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

March 4, 2015

Mr. Eric W. Olson, 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 05000458/2014001)**

Dear Mr. Olson:

On February 19, 2015, the 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, 2014, through December 31, 2014. 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 of the NRC's Reactor Oversight Process (ROP) Action Matrix. On October 23, 2014, the NRC issued an Assessment Follow-up Letter for the River Bend Station (ML14296A082) which stated that based on the issuance of a Greater-than-Green inspection finding in the Security Cornerstone, the NRC determined the performance at River Bend Station to be in the Regulatory Response Column of the NRC's Reactor Oversight Process Action Matrix, beginning in the second quarter of 2014. Therefore, the NRC plans to conduct a supplemental inspection.

In addition, the River Bend Station's safety-significant performance indicator (PI) for Unplanned Scrams with Complications, crossed the Green-White threshold during the 4<sup>th</sup> Quarter 2014. This was due to two unplanned scrams the River Bend Station experienced in the 4<sup>th</sup> Quarter of 2014. Therefore, the NRC plans to conduct Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." The NRC requests that your staff provide notification of your readiness for the NRC to conduct this supplemental inspection. Because, this White input is not in the same strategic performance area as the finding in the Security Cornerstone described above, the River Bend Station remains in the Regulatory Response Column.

The enclosed inspection plan lists the inspections scheduled through June 30, 2016. 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

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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 accordance with 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 Greg Warnick, Chief, Project Branch C, at 817-200-1144 with any questions you have regarding this letter.

Sincerely,

/RA/

Troy W. Pruett, Director  
Division of Reactor Projects

Docket: 50-458  
License: NPF-47

Enclosure:  
River Bend Station Inspection Plan

**River Bend**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
			<b>71111.08 - INSERVICE INSPECTION</b>		<b>1</b>
1	02/23/2015	03/06/2015	IP 7111108G	Inservice Inspection Activities - BWR	
			<b>RS 12 PI - RADIATION SAFETY</b>		<b>2</b>
1	03/02/2015	03/06/2015	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	03/02/2015	03/06/2015	IP 71124.02	Occupational ALARA Planning and Controls	
1	03/02/2015	03/06/2015	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	03/02/2015	03/06/2015	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
			<b>TSB 52B - BIENNIAL PI&amp;R INSPECTION</b>		<b>4</b>
1	06/08/2015	06/12/2015	IP 71152B	Problem Identification and Resolution	
1	06/29/2015	07/02/2015	IP 71152B	Problem Identification and Resolution	
			<b>EP-1 - BIENNIAL EP PROGRAM INSPECTION</b>		<b>1</b>
1	08/17/2015	08/21/2015	IP 7111402	Alert and Notification System Testing	
1	08/17/2015	08/21/2015	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	08/17/2015	08/21/2015	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	08/17/2015	08/21/2015	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
			<b>EP-2 - EP PERFORMANCE INDICATORS</b>		<b>1</b>
1	08/17/2015	08/21/2015	IP 71151-EP01	Drill/Exercise Performance	
1	08/17/2015	08/21/2015	IP 71151-EP02	ERO Readiness	
1	08/17/2015	08/21/2015	IP 71151-EP03	Alert & Notification System Reliability	
			<b>EB1-17T - RBS PERMANENT PLANT MODS &amp; 50.59</b>		<b>6</b>
1	09/21/2015	10/09/2015	IP 7111117T	Evaluations of Changes, Tests, and Experiments and Permanent Plant Modifications	
			<b>RS 5678 - RADIATION SAFETY - TEAM</b>		<b>4</b>
1	12/07/2015	12/11/2015	IP 71124.05	Radiation Monitoring Instrumentation	
1	12/07/2015	12/11/2015	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	12/07/2015	12/11/2015	IP 71124.07	Radiological Environmental Monitoring Program	
1	12/07/2015	12/11/2015	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			<b>RS 24 - RADIATION SAFETY</b>		<b>2</b>
1	01/18/2016	01/22/2016	IP 71124.02	Occupational ALARA Planning and Controls	
1	01/18/2016	01/22/2016	IP 71124.04	Occupational Dose Assessment	
			<b>EB2-05T - TRIENNIAL FIRE PROTECTION INSPECTION</b>		<b>4</b>
1	04/11/2016	04/15/2016	IP 7111105T	Fire Protection [Triennial]	
1	04/25/2016	04/29/2016	IP 7111105T	Fire Protection [Triennial]	
			<b>RS 13 PI - RADIATION SAFETY</b>		<b>2</b>
1	05/09/2016	05/13/2016	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	

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

**River Bend**  
**Inspection / Activity Plan**  
**03/01/2015 - 06/30/2016**

Unit Number	Planned Dates		Inspection Activity	Title	No. of Staff on Site
	Start	End			
<b>RS 13 PI - RADIATION SAFETY</b>					<b>2</b>
1	05/09/2016	05/13/2016	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	05/09/2016	05/13/2016	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	05/09/2016	05/13/2016	IP 71151-PR01	RETS/ODCM Radiological Effluent Occurrences	
<b>ISFSI - ROUTINE LOADING INSPECTION (ONE WEEK)</b>					<b>1</b>
1	06/01/2016	06/01/2016	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
<b>EP-2 - EP PERFORMANCE INDICATORS</b>					<b>2</b>
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	
<b>EP-3 - BIENNIAL EXERCISE INSPECTION</b>					<b>4</b>
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	

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/RA/

Troy W. Pruett, Director  
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DISTRIBUTION

See next page

RBS 2014 EOC Ltr.

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<input checked="" type="checkbox"/> SUNSI Review By: RA	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 RGN-002
OFFICE	DRP BC-C	DRS/DIR		DRP/DIR
NAME	GWarnick: tk	AVegel		TPruett
SIGNATURE	/RA/	/RA/		/RA/
DATE	2/27/15	2/27/15		3/4/15

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Letter to Eric Olson from Troy Pruett, dated March 4, 2015

SUBJECT: ANNUAL ASSESSMENT LETTER FOR RIVER BEND STATION  
(REPORT 05000458/2014001)

DISTRIBUTION:

Regional Administrator (Marc.Dapas@nrc.gov)  
Deputy Regional Administrator (Kriss.Kennedy@nrc.gov)  
DRP Director (Troy.Pruett@nrc.gov)  
Acting DRP Deputy Director (Thomas.Farnholtz@nrc.gov)  
DRS Director (Anton.Vegel@nrc.gov)  
DRS Deputy Director (Jeff.Clark@nrc.gov)  
Senior Resident Inspector (Jeff.Sowa@nrc.gov)  
Resident Inspector (Andy.Barrett@nrc.gov)  
Site Administrative Assistant (Lisa.Day@nrc.gov)  
Branch Chief, DRP (Greg.Warnick@nrc.gov)  
Senior Project Engineer, DRP (Ray.Azua@nrc.gov)  
Project Engineer, DRP (Paul.Nizov@nrc.gov)  
Project Engineer, DRP (Michael.Stafford@nrc.gov)  
Public Affairs Officer (Victor.Dricks@nrc.gov)  
Public Affairs Officer (Lara.Uselding@nrc.gov)  
RIV State Liaison Officer (Bill.Maier@nrc.gov)  
Project Manager (Alan.Wang@nrc.gov)  
DRP Branch Chiefs (R4DRP-BC1@nrc.gov)  
DRS Branch Chiefs (R4DRS-BC1@nrc.gov)  
Director, DIRS, NRR (Scott.Morris@nrc.gov)  
Deputy Director, DIRS, NRR (Allen.Howe@nrc.gov)  
Director, DORL, NRR (Michele.Evans@nrc.gov)  
Deputy Director, DORL, NRR (George.Wilson@nrc.gov)  
Chief, PLB IV-2, DORL, NRR (Doug.Broadus@nrc.gov)  
Director, NSIR/DPR (Robert.Lewis@nrc.gov)  
ACES (R4Enforcement.Resource@nrc.gov)  
RITS Coordinator (Marisa.Herrera@nrc.gov)  
Regional Counsel (Karla.Fuller@nrc.gov)  
Technical Support Assistant (Loretta.Williams@nrc.gov)  
Congressional Affairs Officer (Jenny.Weil@nrc.gov)  
RIV Congressional Affairs Officer (Angel.Moreno@nrc.gov)  
RIV/ETA: OEDO (Michael.Waters@nrc.gov)  
ROPassessment.Resource@nrc.gov  
ROPreports.Resources@nrc.gov  
OEMail.Resource@nrc.gov