UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
612 EAST LAMAR BLVD, SUITE 400
ARLINGTON, TEXAS 76011-4125

September 1, 2009

Michael Perito
Vice President, Operations
Entergy Operations, Inc.
River Bend Station
5485 US Highway 61N
St. Francisville, LA 70775

SUBJECT: MIDCYCLE PERFORMANCE REVIEW AND INSPECTION PLAN - RIVER BEND STATION

Dear Mr. Perito:

On August 5, 2009, the NRC staff completed its performance review of River Bend Station for the first half of the calendar year 2009 assessment cycle. Our technical staff reviewed performance indicators for the most recent quarter and inspection results over the previous 12 months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include security information. A separate letter designated and marked as "Official Use Only--Security Information" will include the security cornerstone review and resultant inspection plan.

Plant performance for the most recent quarter at River Bend Station was within the Licensee Response Column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all performance indicators indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2010. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review. We are also evaluating potential changes to the inspection program in the radiation safety cornerstone. Consequently, some specific inspection procedures and the inspection schedule may be revised for 2010.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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).

If circumstances arise which cause us to change the inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at (817) 860-8144 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

Geoffrey B. Miller, Chief
Project Branch C
Division of Reactor Projects

Docket: 50-458
License: NPF-47

Enclosure:
River Bend Station Inspection/Activity Plan

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File located: R:_Reactors\EOC and Midcycle\Midcycle Assessment Letters\2009\RB.doc

SUNSI Rev Compl.	☒Yes ☐ No	ADAMS	☒Yes ☐ No	Reviewer Initials	GBM
Publicly Avail	☒Yes ☐ No	Sensitive	☐ Yes ☒ No	Sens. Type Initials	GBM

RIV/SPE/DRP/C	C:DRP/C	D:DRS	D:DRP	
DLProulx	GBMiller	RJCaniano	DDChamberlain	
/RA/	***/RA/***	***/RA/***	***/RA/***	
8/17/09	8/24/09	8/17/09	8/18/09	

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River Bend
Inspection / Activity Plan
09/01/2009 - 12/31/2010

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
			RP-ORS4	**- OCCUPATIONAL RADIATION SAFETY - ACCESS**	**2**
1	09/21/2009	09/25/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	09/21/2009	09/25/2009	IP 7112102	ALARA Planning and Controls	
1	09/21/2009	09/25/2009	IP 7112202	Radioactive Material Processing and Transportation	
1	09/21/2009	09/25/2009	IP 71151	Performance Indicator Verification	
			EB1-08	**- INSERVICE INSPECTION**	**1**
1	09/28/2009	10/02/2009	IP 7111108G	Inservice Inspection Activities - BWR	
			RP-ORS5	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**
1	12/14/2009	12/18/2009	IP 7112101	Access Control to Radiologically Significant Areas	
1	12/14/2009	12/18/2009	IP 7112102	ALARA Planning and Controls	
1	12/14/2009	12/18/2009	IP 71151	Performance Indicator Verification	
			RP-ORS1	**- OCCUPATIONAL RADIATION SAFETY - ALARA**	**1**
1	03/01/2010	03/05/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1	03/01/2010	03/05/2010	IP 7112102	ALARA Planning and Controls	
1	03/01/2010	03/05/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	03/01/2010	03/05/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			EXAM	**- INITIAL EXAM**	**4**
1	03/15/2010	03/19/2010	X02443	INITIAL EXAM-RB (04/2010)	
1	04/19/2010	04/23/2010	X02443	INITIAL EXAM-RB (04/2010)	
			EB2-05T	**- TRIENNIAL FIRE PROTECTION**	**4**
1	04/05/2010	04/09/2010	IP 7111105T	Fire Protection [Triennial]	
1	04/19/2010	04/23/2010	IP 7111105T	Fire Protection [Triennial]	
			EP-1	**- BIENNIAL EP EXERCISE INSPECTION**	**3**
1	06/07/2010	06/11/2010	IP 7111401	Exercise Evaluation	
1	06/07/2010	06/11/2010	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	06/07/2010	06/11/2010	IP 71151-EP01	Drill/Exercise Performance	
1	06/07/2010	06/11/2010	IP 71151-EP02	ERO Drill Participation	
1	06/07/2010	06/11/2010	IP 71151-EP03	Alert & Notification System	
			PBC-10Q3	**- RBS RI 3RD QTR REPORT 2010**	**2**
1	07/01/2010	09/30/2010	IP 7111101	Adverse Weather Protection	
1	07/01/2010	09/30/2010	IP 7111104	Equipment Alignment (Quarterly)	
1	07/01/2010	09/30/2010	IP 7111104S	Equipment Alignment	
1	07/01/2010	09/30/2010	IP 7111105A	Fire Protection - Annual	
1	07/01/2010	09/30/2010	IP 7111105Q	Fire Protection - Quarterly	
1	07/01/2010	09/30/2010	IP 7111106	Flood Protection Measures	

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

River Bend
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			PBC-10Q3	**- RBS RI 3RD QTR REPORT 2010**	**2**
1	07/01/2010	09/30/2010	IP 7111107A	Heat Sink Performance	
1	07/01/2010	09/30/2010	IP 7111111Q	Licensed Operator Requalification Program	
1	07/01/2010	09/30/2010	IP 7111112Q	Maintenance Effectiveness	
1	07/01/2010	09/30/2010	IP 7111113	Maintenance Risk Assessments and Emergent Work Control	
1	07/01/2010	09/30/2010	IP 7111115	Operability Evaluations	
1	07/01/2010	09/30/2010	IP 7111118	Plant Modifications	
1	07/01/2010	09/30/2010	IP 7111119	Post Maintenance Testing	
1	07/01/2010	09/30/2010	IP 7111120	Refueling and Other Outage Activities	
1	07/01/2010	09/30/2010	IP 7111122	Surveillance Testing	
1	07/01/2010	09/30/2010	IP 7111406	Drill Evaluation	
1	07/01/2010	09/30/2010	IP 71151	Performance Indicator Verification	
1	07/01/2010	09/30/2010	IP 71152	Identification and Resolution of Problems	
			BRQ	**- OPERATOR REQUAL INSP**	**3**
1	08/16/2010	08/20/2010	IP 7111111B	Licensed Operator Requalification Program	
			RP-ORS1	**- OCCUPATIONAL RADIATION SAFETY**	**1**
1	08/30/2010	09/03/2010	IP 7112101	Access Control to Radiologically Significant Areas	
1	08/30/2010	09/03/2010	IP 7112102	ALARA Planning and Controls	
1	08/30/2010	09/03/2010	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	08/30/2010	09/03/2010	IP 71151-PR01	RETS/ODCM Radiological Effluent	
			PBC-10Q4	**- RBS RI 4TH QTR REPORT 2010**	**2**
1	10/01/2010	12/31/2010	IP 7111101	Adverse Weather Protection	
1	10/01/2010	12/31/2010	IP 7111104	Equipment Alignment (Quarterly)	
1	10/01/2010	12/31/2010	IP 7111104S	Equipment Alignment	
1	10/01/2010	12/31/2010	IP 7111105A	Fire Protection - Annual	
1	10/01/2010	12/31/2010	IP 7111105Q	Fire Protection - Quarterly	
1	10/01/2010	12/31/2010	IP 7111106	Flood Protection Measures	
1	10/01/2010	12/31/2010	IP 7111107A	Heat Sink Performance	
1	10/01/2010	12/31/2010	IP 7111111Q	Licensed Operator Requalification Program	
1	10/01/2010	12/31/2010	IP 7111112Q	Maintenance Effectiveness	
1	10/01/2010	12/31/2010	IP 7111113	Maintenance Risk Assessments and Emergent Work Control	
1	10/01/2010	12/31/2010	IP 7111115	Operability Evaluations	
1	10/01/2010	12/31/2010	IP 7111118	Plant Modifications	
1	10/01/2010	12/31/2010	IP 7111119	Post Maintenance Testing	

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River Bend
Inspection / Activity Plan
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Unit Number	Planned Dates Start	End	Inspection Activity	Title	No. of Staff on Site
			PBC-10Q4	**- RBS RI 4TH QTR REPORT 2010**	**2**
1	10/01/2010	12/31/2010	IP 7111120	Refueling and Other Outage Activities	
1	10/01/2010	12/31/2010	IP 7111122	Surveillance Testing	
1	10/01/2010	12/31/2010	IP 7111406	Drill Evaluation	
1	10/01/2010	12/31/2010	IP 71151	Performance Indicator Verification	
1	10/01/2010	12/31/2010	IP 71152	Identification and Resolution of Problems	
			EXAM	**- INITIAL EXAM**	**3**
1	10/25/2010	10/29/2010	X02452	INITIAL EXAM- RB (11/2010)	
1	12/06/2010	12/17/2010	X02452	INITIAL EXAM- RB (11/2010)	

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