



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

cc w/Enclosure:
Senior Vice President
Entergy Nuclear Operations
P.O. Box 31995
Jackson, MS 39286-1995

Attorney General
State of Louisiana
P. O. Box 94005
Baton Rouge, LA 70804-9005

Senior Vice President and COO
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286-1995

Ms. H. Anne Plettinger
3456 Villa Rose Drive
Baton Rouge, LA 70806

Vice President, Oversight
Entergy Operations, Inc.
P. O. Box 31995
Jackson, MS 39286-1995

President of West Feliciana
Police Jury
P. O. Box 1921
St. Francisville, LA 70775

Senior Manager, Nuclear Safety &
Licensing
Entergy Nuclear Operations
P. O. Box 31995
Jackson, MS 39286-1995

Mr. Brian Almon
Public Utility Commission
William B. Travis Building
P. O. Box 13326
Austin, TX 78701-3326

Manager, Licensing
Entergy Operations, Inc.
River Bend Station
5485 US Highway 61N
St. Francisville, LA 70775

Mr. Jim Calloway
Public Utility
Commission of Texas
1701 N. Congress Avenue
Austin, TX 78711-3326

Entergy Operations, Inc.

- 3 -

Louisiana Department of Environmental
Quality
Radiological Emergency Planning and
Response Division
P. O. Box 4312
Baton Rouge, LA 70821-4312

Associate General Counsel
Entergy Nuclear Operations
P. O. Box 31995
Jackson, MS 39286-1995

Chief, Technological Services
Branch
FEMA Region VI
800 N. Loop 288
Denton, TX 76201-3698

Electronic distribution by RIV:

Regional Administrator (Elmo.Collins@nrc.gov)
 Deputy Regional Administrator (Chuck.Casto@nrc.gov)
 DRP Director (Dwight.Chamberlain@nrc.gov)
 DRP Deputy Director (Anton.Vegel@nrc.gov)
 DRS Director (Roy.Caniano@nrc.gov)
 DRS Deputy Director (Troy.Pruett@nrc.gov)
 Branch Chief, DRP/C (Geoffrey.Miller@nrc.gov)
 Senior Project Engineer, DRP/C (David.Proulx@nrc.gov)
 Senior Resident Inspector (Grant.Larkin@nrc.gov)
 Resident Inspector (Charles.Norton@nrc.gov)
 Team Leader, DRP/TSS (Chuck.Paulk@nrc.gov)
 RITS Coordinator (Marisa.Herrera@nrc.gov)
 Public Affairs Officer (Victor.Dricks@nrc.gov)
 Regional State Liaison Officer (Bill.Maier@nrc.gov)
 RA Secretary (Lucy.Owen@nrc.gov)
 DRA Secretary (Judy.Kilcrease@nrc.gov)
 Branch Chief, DRS/EB1 (Thomas.Farnholtz@nrc.gov)
 Branch Chief, DRS/EB2 (Neil.Keefe@nrc.gov)
 Branch Chief, DRS/PSB1 (Michael.Shannon@nrc.gov)
 Branch Chief, DRS/PSB2 (Greg.Werner@nrc.gov)
 Branch Chief, DRS/OB (Ryan.Lantz@nrc.gov)
 OEDO RIV Coordinator, Primary (Leigh.Trocine@nrc.gov)
 OEDO, TRPS (Tamara.Bloomer@nrc.gov)
 Deputy Director, DIRS, NRR (Frederick.Brown@nrc.gov)
 Director, DORL, NRR (Joseph.Giitter@nrc.gov)
 Deputy Director, DORL, NRR (Robert.Nelson@nrc.gov)
 Chief, PLB IV, DORL, NRR (Michael.Markley@nrc.gov)
 NRR Project Manager (Alan.Wang@nrc.gov)
 RidsNrrDirslpab Resource@nrc.gov
 ROPreports.Resource@nrc.gov
 Congressional Affairs Officer (Jenny.Weil@nrc.gov)
 mortenseng@INPO.org
 ROP Reports

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

SUNSI Rev Compl.	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	ADAMS	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Reviewer Initials	GBM
Publicly Avail	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Sensitive	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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		

OFFICIAL RECORD COPY

Telephone

E=E-mail

F=Fax

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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	09/21/2009 09/25/2009	RP-ORS4	- OCCUPATIONAL RADIATION SAFETY - ACCESS	2
		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 711151	Performance Indicator Verification	
		EB1-08	- INSERVICE INSPECTION	1
		IP 7111108G	Inservice Inspection Activities - BWR	
1	12/14/2009 12/18/2009	RP-ORS5	- OCCUPATIONAL RADIATION SAFETY - ALARA	1
		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 711151	Performance Indicator Verification	
		RP-ORS1	- OCCUPATIONAL RADIATION SAFETY - ALARA	1
		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 711151-OR01	Occupational Exposure Control Effectiveness	
1	03/01/2010 03/05/2010	IP 711151-PR01	RETS/ODCM Radiological Effluent	
		EXAM	- INITIAL EXAM	4
		X02443	INITIAL EXAM-RB (04/2010)	
1	03/15/2010 03/19/2010	X02443	INITIAL EXAM-RB (04/2010)	
		EB2-05T	- TRIENNIAL FIRE PROTECTION	4
		IP 7111105T	Fire Protection [Triennial]	
1	04/19/2010 04/23/2010	IP 7111105T	Fire Protection [Triennial]	
		EP-1	- BIENNIAL EP EXERCISE INSPECTION	3
		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 711151-EP01	Drill/Exercise Performance	
1	06/07/2010 06/11/2010	IP 711151-EP02	ERO Drill Participation	
1	06/07/2010 06/11/2010	IP 711151-EP03	Alert & Notification System	
		PBC-10Q3	- RBS RI 3RD QTR REPORT 2010	2
		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	

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

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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	07/01/2010 09/30/2010	PBC-10Q3 - RBS RI 3RD QTR REPORT 2010 IP 7111107A	Heat Sink Performance	2
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 71111406	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	
1	08/16/2010 08/20/2010	BRQ - OPERATOR REQUAL INSP IP 7111111B	Licensed Operator Requalification Program	3
1	08/30/2010 09/03/2010	RP-ORS1 - OCCUPATIONAL RADIATION SAFETY IP 7112101	Access Control to Radiologically Significant Areas	1
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	
1	10/01/2010 12/31/2010	PBC-10Q4 - RBS RI 4TH QTR REPORT 2010 IP 7111101	Adverse Weather Protection	2
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	

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

River Bend

Inspection / Activity Plan

09/01/2009 - 12/31/2010

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)	

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