

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION IV  
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September 1, 2010

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 11, 2010, the NRC staff completed its performance review of River Bend Station. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results for the period from July 1, 2009, through June 30, 2010. 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-Related 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 PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection scheduled through December 31, 2011. 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.

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

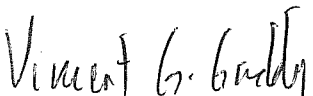
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system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

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,

  
Vincent G. Gaddy, Chief  
Reactor Projects Branch C  
Division of Reactor Projects

Docket: 50-458  
License: NPF-47

Enclosure:  
River Bend Station Inspection/Activity Plan

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R:\\_Reactors\EOC and Midcycle\Midcycle Assessment Letters\2010

ADAMS: <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes	<input checked="" type="checkbox"/> SUNSI Review Complete	Reviewer Initials:
	<input checked="" type="checkbox"/> Publicly Available	<input checked="" type="checkbox"/> Non-Sensitive
	<input type="checkbox"/> Non-publicly Available	<input type="checkbox"/> Sensitive
<b>BC:DRP:C</b>	<b>D:DRS</b>	<b>D:DRP</b>
VGGaddy	RJCaniano/JClark for	AVegel
/RA/	/RA/	/RA/
8/16/10	8/18/10	8/25/10

OFFICIAL RECORD COPY

T=Telephone

E=E-mail

F=Fax

Unit Number	Planned Dates Start	Planned Dates End	Inspection Activity	Title	No. of Staff on Site
1	08/30/2010	09/03/2010	<b>RS12</b>	<b>- OCCUPATIONAL RADIATION SAFETY</b>	2
1	08/30/2010	09/03/2010	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	08/30/2010	09/03/2010	IP 71124.02	Occupational 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	10/25/2010	10/29/2010	<b>EXAM</b>	<b>- INITIAL EXAM</b>	3
1	12/06/2010	12/17/2010	X02452	INITIAL EXAM- RB (11/2010)	
1	03/21/2011	04/25/2011	X02452	INITIAL EXAM- RB (11/2010)	
1	04/18/2011	04/29/2011	<b>EXAM</b>	<b>- INITIAL OPERATOR EXAM</b>	4
1	01/24/2011	01/28/2011	X02468	INITIAL EXAM - RIVER BEND (04/2011)	
1	01/24/2011	01/28/2011	X02468	INITIAL EXAM - RIVER BEND (04/2011)	
1	01/24/2011	01/28/2011	<b>RS123</b>	<b>- RADIATION SAFETY</b>	2
1	01/24/2011	01/28/2011	IP 2515/179	Verification of Licensee Responses to NRC Requirement for Inventories of Materials Tracked in NSTS	
1	01/24/2011	01/28/2011	IP 71124.01	Radiological Hazard Assessment and Exposure Controls	
1	01/24/2011	01/28/2011	IP 71124.02	Occupational ALARA Planning and Controls	
1	01/24/2011	01/28/2011	IP 71124.03	In-Plant Airborne Radioactivity Control and Mitigation	
1	01/24/2011	01/28/2011	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	01/24/2011	01/28/2011	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	01/18/2011	01/28/2011	<b>PSB2-08G</b>	<b>- INSERVICE INSPECTION</b>	3
1	03/21/2011	03/25/2011	IP 711108G	Inservice Inspection Activities - BWR	
1	03/21/2011	03/25/2011	<b>EP1</b>	<b>- BIENNIAL EP PROGRAM INSPECTION</b>	1
1	03/21/2011	03/25/2011	IP 7111402	Alert and Notification System Testing	
1	03/21/2011	03/25/2011	IP 7111403	Emergency Preparedness Organization Staffing and Augmentation System	
1	03/21/2011	03/25/2011	IP 7111404	Emergency Action Level and Emergency Plan Changes	
1	03/21/2011	03/25/2011	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies	
1	03/21/2011	03/25/2011	IP 71151-EP01	Drill/Exercise Performance	
1	03/21/2011	03/25/2011	IP 71151-EP02	ERO Drill Participation	
1	03/21/2011	03/25/2011	IP 71151-EP03	Alert & Notification System	
1	03/14/2011	03/18/2011	<b>EB1-07</b>	<b>- TRIENNIAL HEAT SINK PERFORMANCE</b>	1
1	05/02/2011	05/20/2011	IP 7111107T	Heat Sink Performance	
1	09/12/2011	09/16/2011	<b>TSB-52B</b>	<b>- BIENNIAL PI&amp;R</b>	1
1	09/12/2011	09/16/2011	IP 71152B	Identification and Resolution of Problems	
1	09/12/2011	09/16/2011	<b>RP678</b>	<b>- RADIATION SAFETY TEAM</b>	3
1	09/12/2011	09/16/2011	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	09/12/2011	09/16/2011	IP 71124.07	Radiological Environmental Monitoring Program	

This report does not include INPO and OUTAGE activities.

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

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	09/12/2011 09/16/2011	RP678 - RADIATION SAFETY TEAM IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	3
1	09/26/2011 10/28/2011	EB1-21 - COMPONENT DESIGN BASIS INSPECTION IP 7111121	Component Design Bases Inspection	1

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