



Entergy Operations, Inc.  
River Bend Station  
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Tel. 225-381-4157

David N. Loring  
Manager, Licensing

July 20, 2010

RBG-47055

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: River Bend Station - Unit 1  
Docket No. 50-458  
License No. NPF-47  
Report of Changes and Errors to 10CFR50.46

- References: 1. Letter RBG-46966, "10 CFR 50.46 (a)(3)(ii) Report," dated October 27, 2009.
2. Letter RBG-46493, "Supplement to Amendment Request Changes to Technical Specification 5.6.5, "Core Operating Limits Report (COLR)," dated August 12, 2009.

Dear Sir or Madam:

In accordance with 10 CFR 50.46 (a)(3)(ii), River Bend Station (RBS) is required to report to the Commission, at least annually, the estimated effect on the limiting Emergency Core Cooling System (ECCS) analysis caused by changes to or errors discovered in acceptable ECCS evaluations for information.

A002  
MRR

There have been no notices of changes or errors associated with the RBS ECCS analysis since the last 10CFR50.46 report provided to the NRC [Reference 1]. The table below summarizes the effects on the current ECCS analysis performed by General Electric – Hitachi Nuclear Energy (GEH) using their NRC approved SAFER/GESTR – LOCA methodology.

Notification	Nature of change	Estimated PCT Effect
None	No changes or errors have been identified since the last 10CFR50.46 report for RBS.	N/A
Sum of absolute magnitude of errors during this period		0
Cumulative sum of absolute magnitude of errors prior to this period		0
Cumulative sum of absolute magnitude of errors including this period		0

The RBS licensing basis PCT for the limiting ATRIUM-10 fuel type remains equal to or less than 1810°F as reported in Reference 2, which is well below the 2200°F acceptance criterion of 10CFR50.46.

This letter does not contain any commitments.

For further information, contact myself, David Lorfing at (225) 381-4157.

Sincerely,



DNL/bmb

cc: Regional Administrator  
U. S. Nuclear Regulatory Commission  
Region IV  
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NRC Senior Resident Inspector  
P. O. Box 1050  
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U. S. Nuclear Regulatory Commission  
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