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August 23, 2004

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  
10 CFR 50.46 (a)(3)(ii) Report

File No. G9.5

RBG-46308  
RBF1-04-0149

Ladies and Gentlemen:

In accordance with 10 CFR 50.46 (a)(3)(ii), River Bend Station (RBS) is required to report changes to or errors discovered in acceptable ECCS evaluation models on an annual basis. RBS is obligated to report the nature of the change or error and its estimated effect on calculated Peak Clad Temperature (PCT).

General Electric/Global Nuclear Fuel (GE/GNF) has issued Notification Letter (NL-2003-05) to River Bend Station (RBS) on the impact of errors/changes in the SAFER methodology used by GE/GNF. The PCT error associated with the ATRIUM-10 methodology is reported separately by Framatome ANP (FANP). A summary of these notifications follows:

A001

Notification	Nature of change	Estimated PCT Effect	
		GENE	FANP
GE/GNF NL2003-05	An additional heat source in the reactor vessel following a LOCA.	0	--
FANP PCT Error Report	An error in the application of the Peak Cladding Temperature HUXY quenching model.	--	0
Sum of absolute magnitude of errors during this period		0	0
Cumulative sum of absolute magnitude of errors prior to this period		25	0
Cumulative sum of absolute magnitude of errors including this period		25	0

The LOCA analysis results continue to meet the acceptance criteria of 10CFR50.46(b)(1) that the PCT shall not exceed 2200 deg F. No reanalysis is required per 10CFR50.46(a)(3)(ii) and the errors are not considered significant change.

In summary, the LOCA analysis results for PCT continue to meet the acceptance criteria and there is no safety concern.

For further information, contact Mr. B. M. Burmeister at (225) 381-4148.

Sincerely,



RJK/BMB

cc: U. S. Nuclear Regulatory Commission  
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