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Rick J. King
Director, Nuclear Safety Assurance

August 23, 2005

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

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).

AREVA has issued a report documenting the impact of a mismatch between the Recirculation Loops flow on the ATRIUM-10 PCT analysis. A summary of the PCT effects are as follows:

A001

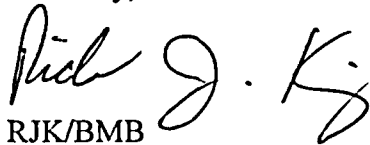
Notification	Nature of change	Estimated PCT Effect	
		GENE	AREVA
AREVA ATRIUM- 10 PCT Error Report 2004-1069	The PCT effect due to mismatch in flow between the two recirculation loops	NA	+0
Sum of absolute magnitude of errors during this period		0	0
Cumulative sum of absolute magnitude of errors prior 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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