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August 24, 2006

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-46615
RBF1-06-0136

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-2006-01) to River Bend Station (RBS) on the impact of errors/changes in the SAFER methodology used by GE/GNF. No PCT error associated with the ATRIUM-10 methodology is reported by AREVA or Framatome ANP (FANP) during this period. A summary of these notifications follows:

A002

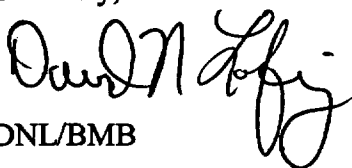
| Notification | Nature of change | Estimated PCT Effect | |
|---|---|----------------------|------|
| | | GENE | FANP |
| GE/GNF NL2006-01 | Impact of Top Peaked Power Shape for Small Break LOCA Analysis | 0 | -- |
| | | | |
| Sum of absolute magnitude of errors during this period | | 0 | 0 |
| Cumulative 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. Burnmeister at (225) 381-4148.

Sincerely,


DNL/BMB

cc: U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011

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Baton Rouge, LA 70884-2135
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