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Joseph A. Clark
Manager, Regulatory Affairs

August 31, 2015

RBG-47610

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-47488, "Report of Changes and Errors to 10 CFR 50.46," dated July 29, 2014

Dear Sir or Madam:

There has been no notice of changes or errors associated with the RBS ECCS analysis since the last 10 CFR 50.46 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.

Since the last 10 CFR 50.46 report provided to the NRC, RBS has performed Refueling Outage 18 where the remaining GE14 fuel type was removed from the core. The RBS core is now composed of the GNF2 and GNF3 fuel types.

Previously, the GNF2 was the limiting fuel type. GNF3 is now the limiting fuel type with a PCT of 1830°F incorporating 10 CFR 50.46 error notifications up to and including NL-2014-04. As can be seen the PCT for the GNF3 fuel remains well below the 2200°F acceptance criteria of 10 CFR 50.46.

A002
NRR

Notification Letter	Nature Of Change / Error	Estimated PCT Effect (°F)	
		GNF2	GNF3
Previous Periods			
NL-2014-04	SAFER04A E4 – Bundle / Lower Plenum CCFL Head	0	0
NL-2014-03	SAFER04A E4 – Minimum Core DP Model	-15	-15
NL-2014-02	SAFER04A E4 – Mass Non-Conservatism	0	0
NL-2014-01	SAFER04A E4 – Maintenance Update Changes	0	0
NL-2012-01	PRIME Fuel Properties Implementation for Fuel Rod T/M Performance, replacing GESTR Fuel Properties	45	45
NL-2011-03	Impact of updated formulation for gamma heat deposition to channel wall for 9x9 and 10x10 fuel bundles	-40	-40
NL-2011-02	Impact of database error for heat deposition on the Peak Cladding Temperature (PCT) for 10x10 fuel bundles	25	25
Net of errors / changes		15	15
Sum of absolute magnitude of changes / errors		125	125

This letter does not contain any commitments.

For further information, please contact me at (225) 381-4177.

Sincerely,



JAC/bmb

RBF1-15-0141

cc: U. S. Nuclear Regulatory Commission
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Arlington, TX 76011-4511

NRC Senior Resident Inspector
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U. S. Nuclear Regulatory Commission

Attn: Mr. Alan Wang

MS O-8B1

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Department of Environmental Quality

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