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GNRO-2007/00074

October 25, 2007

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555-0001

Subject: Report of Changes and Errors to 10CFR50.46
Grand Gulf Nuclear Station
Docket No. 50-416
License No. NPF-29

- References:
1. Letter GNRO-2006/00060, "Report of Changes and Errors to 10CFR50.46," dated October 31, 2006
 2. Letter GNRO-2006/00015, "License Amendment Request Changes to the Analytical Methods Referenced in Technical Specification 5.6.5 – Core Operating Limits Report (COLR)," dated May 8, 2006
 3. Letter GNRI-2007/00013, "Issuance of Amendment License Amendment Request Changes to the Analytical Methods Referenced in Technical Specification 5.6.5 – Core Operating Limits Report (COLR)," dated February 22, 2007 (TAC # MD 1496)

Dear Sir or Madam:

In accordance with 10 CFR 50.46 (a)(3)(ii), Grand Gulf Nuclear Station (GGNS) 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.

Since the last 10CFR50.46 report provided to the NRC [Reference 1], GGNS submitted a License Amendment Request (LAR) [Reference 2] to implement AREVA's updated ECCS Performance analysis methodology, which has been approved by the NRC. The new Analysis of Record (AOR) used to support the LAR resulted in an increase in Peak Clad Temperature of 98°F. The LAR was approved by the NRC in Reference 3. There have been no changes or errors associated with the GGNS ECCS Performance analysis since the implementation of the new AOR described above.

The Table below summarizes the current ECCS Performance analysis performed by AREVA using their NRC approved methodology.

Notification	Nature of change	Estimated PCT Effect
None	New Analysis	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

This letter does not contain any commitments. Should you have any questions or require additional information, please contact this office.

Yours truly,



CAB/WBA

cc: NRC Senior Resident Inspector
Grand Gulf Nuclear Station
Port Gibson, MS 39150

U. S. Nuclear Regulatory Commission
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U. S. Nuclear Regulatory Commission
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