

GNRO-2009/00064

November 10, 2009

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

**Subject:** Report of Changes and Errors to 10CFR50.46  
Grand Gulf Nuclear Station, Unit No. 1  
Docket No. 50-416  
License No. NPF-29

**References:**

1. Letter GNRO-2008/00072, "Report of Changes and Errors to 10CFR50.46," dated November 12, 2008
2. Letter GNRI-2008-00083, "Grand Gulf Nuclear Station, UNIT 1 – Issuance of Amendment RE: Changes to Technical Specification 5.6.5, Core Operating Limits Report (TAC NO. MD7493)," dated October 16, 2008.

Dear Sir or Madam:

In accordance with 10CFR50.46 (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.

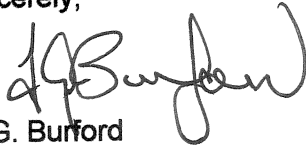
There have been no changes or errors associated with the GGNS ECCS analysis since the last 10 CFR 50.46 report referenced above [Reference 1]. The table below summarizes the effects on the current ECCS analysis performed by General Electric – Hitachi Nuclear Energy (GEH) using their NRC approved SAFER/GESTR – LOCA methodology.

Notification	Nature of change	Estimated PCT Effect
None	No changes or errors have been identified since the last 10 CFR 50.46 report for GGNS.	N/A
Sum of absolute magnitude of changes during this period		0
Cumulative sum of absolute magnitude of changes and errors prior to this period		0
Cumulative sum of absolute magnitude of changes and errors including this period		0

The GGNS licensing basis PCT for the limiting ATRIUM-10 fuel type remains equal to or less than 1880°F as reported in Reference 2, which is well below the 2200°F acceptance criterion of 10 CFR 50.46.

This letter does not contain any commitments. Should you have any questions or require additional information, contact Steve Osborn at 601-437-2344.

Sincerely,

A handwritten signature in black ink, appearing to read 'F. G. Burford', written over the printed name.

F. G. Burford  
Acting Licensing Manager

FGB/SDO

cc: (See next page)

GNRO-2009/00064

Page 3

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