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10 CFR 50.46

GNRO-2018/00046

October 16, 2018

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

**SUBJECT:** 2018 Report of Changes and Errors to 10CFR50.46  
  
Grand Gulf Nuclear Station, Unit 1  
Docket No. 50-416  
License No. NPF-29

**REFERENCES:** 1. Letter to the NRC, "2017 Report of Changes and Errors to 10CFR50.46," dated October 3, 2017 (ML17276B858).

Dear Sir or Madam:

In accordance with 10 CFR 50.46(a)(3)(ii) Grand Gulf Nuclear Station, Unit 1 (GGNS) is required to report to the Nuclear Regulatory Commission (NRC), at least annually, the estimated effect on the limiting Emergency Core Cooling System (ECCS) analysis caused by changes to or errors discovered in the acceptable ECCS evaluation model.

Since the last 10 CFR 50.46(a)(3)(ii) report, dated October 3, 2017 [see Reference 1], through October 3, 2018, there have been zero model changes and zero errors discovered in the GGNS ECCS evaluation model. The current Licensing Basis peak clad temperature (PCT) results in a projected current PCT < 1730 °F. This is below the 2200 °F acceptance criterion of 10 CFR 50.46.

This letter contains no new Regulatory Commitments. Should you have any questions concerning the content of this letter, please contact Douglas Neve, Manager Regulatory Assurance at 601-437-2103.

Sincerely,



Robert J. Franssen

RJF/rws

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

U.S. Nuclear Regulatory Commission  
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