



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150

GNRO-2016/00050

November 2, 2016

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

Vincent Fallacara
Vice President, Operations
Grand Gulf Nuclear Station
Tel. (601) 437-7500

SUBJECT: Correction to Safety Analysis Report for Grand Gulf Nuclear Station Constant Pressure Power Uprate
Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416
License No. NPF-29

REFERENCES: 1. GE Hitachi Nuclear Energy, "Safety Analysis Report for Grand Gulf Nuclear Station constant Pressure Power Uprate," NEDC-33477P, dated March 2012
2. GEH Letter, "Correction to NEDC-33477P, Safety Analysis Report for Grand Gulf Nuclear Station Constant Pressure Power Uprate," dated June 13, 2016

Dear Sir or Madam:

GE-Hitachi Nuclear Energy Americas LLC (GEH) developed and implemented Extended Power Uprate (EPU) at Grand Gulf Nuclear Station (GGNS). The Constant Pressure Power Uprate (CPPU) was approved by the Nuclear Regulatory Commission (NRC) in the Licensing Topical Report (LTR) NEDC-33004P-A, Revision 4, "Constant Pressure Power Uprate," referred to as the CLTR. The CLTR was approved for Boiling Water Reactor (BWR) plants containing General Electric (GE) fuel types and GEH accident analysis methods.

Section 2.2.2.3 of Reference 1, "Reactor Pressure Vessel Structural Evaluation," contains a review of all Reactor Pressure Vessel (RPV) components having a CLTP 40-year Cumulative Usage Factor (CUF) greater than 0.5. By Reference 2, GEH made a correction to Section 2.2.2.3 of Reference 1, stating that GGNS is a GE BWR/6-251-inch Mark III containment design which has no RPV stabilizer. The GEH investigation demonstrated that no RPV stabilizer existed in any of the dynamic Design Adequacy Evaluations (DAEs) performed for Grand Gulf Nuclear Station prior to, and including, Reference 1. The RPV stabilizer is not credited for RPV structural support and is not subjected to fatigue caused by EPU loadings. GGNS will remove the RPV stabilizer from the EPU Safety Analysis Report.

This letter contains no new Regulatory Commitments.

If you have any questions or require additional information, please contact James Nadeau at 601-437-2103.

I declare under penalty of perjury that the foregoing is true and correct. Executed on November 2, 2016.

Sincerely,

A handwritten signature in black ink, consisting of a stylized 'V' followed by a horizontal line and a small flourish.

VF/sas

cc: U.S. Nuclear Regulatory Commission
ATTN: Mr. Jim Kim, NRR/DORL (w/2)
Mail Stop OWFN 8 B1
Rockville, MD 20852-2738

U.S. Nuclear Regulatory Commission
ATTN: Mr. Kriss M. Kennedy (w/2)
Regional Administrator, Region IV
1600 East Lamar Boulevard
Arlington, TX 76011-4511

Mr. B. J. Smith (w/2)
Director, Division of Radiological Health
Mississippi State Department of Health
Division of Radiological Health
3150 Lawson Street
Jackson, MS 39213

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