



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

Thomas Fay
Manager Regulatory Assurance (Acting)
Tel. (601) 437-2103

GNRO-2019/00016

10CFR72.44

February 21, 2019

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

SUBJECT: Spent Fuel Storage Radioactive Effluent Release Report for 2018
Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416
License No. NPF-29

Dear Sir or Madam:

Grand Gulf Nuclear Station (GGNS) Certificate of Compliance for Spent Fuel Storage Casks Section 5.4 requires the submittal of an Annual Radioactive Effluent Release Report. Additionally, Title 10 Code of Federal Regulations 72.44(d)(3) requires the annual submittal of a summary of effluents from the independent spent fuel storage facility. The purpose of this letter is to document effluent radioactive release for the past calendar year from the spent fuel storage casks.

The HI-STORM 100 Cask System does not create any radioactive materials or have any radioactive waste treatment system. Therefore, specific operating procedures for the control of radioactive material are not required. The design of the HI-STORM 100 confinement boundary assures that there are no credible design basis events that would result in a radiological release to the environment. Therefore, there are no radionuclides released to the environment in liquid or gaseous effluents from the independent spent fuel storage facility at GGNS during the reporting period of January 1, 2018 to December 31, 2018.

This letter contains no new Regulatory Commitments. Should you have any questions or require additional information, please contact George Wynn 601-437-1426.

Sincerely,

A handwritten signature in black ink, appearing to read "Thomas Fay", written over a horizontal line.

Thomas Fay
TF/dre

cc: see next page

U.S. Nuclear Regulatory Commission
ATTN: Mr. Siva Lingam
Mail Stop OWFN 8 B1
Rockville, MD 20852-2738

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

U. S. Nuclear Regulatory Commission
ATTN: Mr. Kriss Kennedy, NRR/DORL (w/2)
1600 East Lamar Boulevard
Arlington, TX 76011-4511

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

Dr. Thomas E. Dobbs, M.D., M.P.H
State Health Officer
Mississippi Department of Health
P.O. Box 1700
Jackson, MS 39215-1700