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GNRO-2015/00018

February 27, 2014

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

SUBJECT: Spent Fuel Storage Radioactive Effluent Release Report for 2014
Grand Gulf Nuclear Station, Unit 1
Docket No. 50-416 and 72-50
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 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 systems. Therefore, specific operating procedures for the control of radioactive effluents are not required. The HI-STORM 100 Cask System is also designed and fabricated with a totally seal-welded pressure vessel such that leakage from the confinement boundary is not considered to be a credible occurrence. Therefore, there were 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, 2014 to December 31, 2014.

There are no new commitments contained in this submittal. If you have any questions regarding this information, please contact Sandra Stringfellow at (601) 437-2350.

Sincerely,

JJN/sas

A handwritten signature in cursive script that reads "James J. Nadeau".

cc: (see next page)

cc: U. S. Nuclear Regulatory Commission
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