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Charles A. Bottemiller
Manager
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GNRO-2007/00010

February 8, 2007

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

Subject: Spent Fuel Storage Radioactive Effluent Release Report for 2006
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 (CoC) 5.4, requires the submittal of an Annual Radioactive Effluent Release Report. Additionally, (10CFR72.44(d)(3)) also requires the annual submittal of a summary of effluents from the independent spent fuel storage facility. The purpose of this letter is to fulfill these reporting requirements for the 2006 calendar year at GGNS. The HI-STORM 100 Cask System does not create any radioactive materials or have any radioactive waste treatment systems. There is no gaseous or liquid pathway attributed to the spent fuel stored in the independent spent fuel storage installation. Therefore, there were no radionuclides released to the environment in liquid or gaseous effluents during the previous 12 months of operation.

There are no commitments contained in this submittal.

Should you have any questions regarding the enclosed information, please contact J. M. Lassetter at (601) 437-2115.

Sincerely,

A handwritten signature in black ink, appearing to be "J. M. Lassetter", written in a cursive style.

CAB/JEO/amt
cc: (See Next Page)

G070010

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

U. S. Nuclear Regulatory Commission
ATTN: Dr. Bruce S. Mallet (w/2)
Regional Administrator, Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-4005

U. S. Nuclear Regulatory Commission
ATTN: Mr. Bhalchandra Vaidya, NRR/DORL (w/2)
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Louisiana Department of Environmental Quality
Office of Environmental Compliance
Attn: Mr. Jeff Meyers
Surveillance Division
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