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Manager-Licensing

February 28, 2007

U.S. Nuclear Regulatory Commission  
Document Control Desk  
OWFN-P1-17  
11555 Rockville Pike  
Rockville, MD 20852-2738

**Subject:** Spent Fuel Storage Radioactive Effluent Release Report for 2006  
River Bend Station - Unit 1  
License No. NPF-47  
Docket No. 50-458

**File Nos.:** G9.5, G9.25.1.5

RBG-46660  
RBF1-07-0035

Ladies and Gentlemen:

River Bend Station (RBS) Certificate of Compliance for Spent Fuel Storage Casks (CoC) 5.4, requires the submittal of an Annual Radioactive Effluent Release Report. 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 RBS. 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.

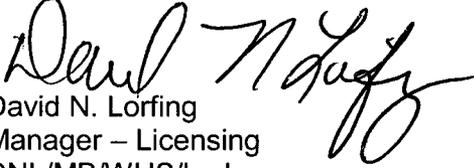
Should you have any questions regarding the enclosed information, please contact Mr. William H. Spell, at (225) 381-3701.

LE48

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There are no new commitments contained in this submittal.

Sincerely,

  
David N. Lorfing  
Manager – Licensing  
DNL/MB/WHS/bmb

cc: Dr. Bruce S. Mallett  
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Region IV  
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U.S. Nuclear Regulatory Commission  
Attn: Mr. Bhalchandra K. Vaidya MS O-7D1  
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Louisiana Department of Environmental Quality  
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