



Entergy Operations, Inc.
River Bend Station
5485 U.S. Highway 61N
St. Francisville, LA 70775
Tel 225-381-4157

David N. Lorfing
Manager, Licensing

February 26, 2009

RBG-46891

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

Subject: Spent Fuel Storage Radioactive Effluent Release Report for 2008
River Bend Station - Unit 1
License No. NPF-47
Docket No. 50-458 *72-49*

Dear Sir or Madam:

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 2008 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.

There are no commitments in this letter.

*NMS501
JE48
NRR*

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

Sincerely,

W. H. Spell for

Manager, Licensing
River Bend Station - Unit 1

DNL/BMB/WHS

cc: U. S. Nuclear Regulatory Commission
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NRC Senior Resident Inspector
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U.S. Nuclear Regulatory Commission
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