



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

Joseph A. Clark
Manager, Regulatory Assurance

February 23, 2015

RBG-47544

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

Subject: Spent Fuel Storage Radioactive Effluent Release Report for 2014
River Bend Station - Unit 1
License No. NPF-47
Docket No. 50-458

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 2014 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. Radiation Protection radiological surveys and current postings were reviewed and demonstrate that there is no impact to members of the public from the dry fuel storage in 2014. Environmental TLD data for 2014 was reviewed and it also does not show any impact to members of the public from dry fuel storage in 2014. Therefore, there were no radionuclides released to the environment in liquid or gaseous effluents during the previous 12 months of operation.

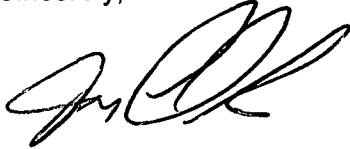
JE48
HMSS26
HMSS

RBG-47544
Page 2 of 2

There are no commitments in this letter.

If you have any questions or require additional information, please contact me.

Sincerely,



JAC/bmb

cc: Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
1600 E. Lamar Blvd.
Arlington, TX 76011-4511

NRC Senior Resident Inspector
P. O. Box 1050
St. Francisville, LA 70775

U. S. Nuclear Regulatory Commission
Attn: Mr. Alan Wang
MS 0-8B1
One White Flint North
11555 Rockville Pike
Rockville, MD 20852

Louisiana Department of Environmental Quality
Office of Environmental Compliance
Radiological Emergency Planning and Response Section
JiYoung Wiley
P. O. Box 4312
Baton Rouge, LA 70821-4312

Public Utility Commission of Texas
Attn: PUC Filing Clerk
1701 N. Congress Avenue
P. O. Box 13326
Austin, TX 78711-3326

RBF1-15-0037