



Entergy Operations, Inc.  
1448 S.R. 333  
Russellville, AR 72802  
Tel 479-858-4704

**Stephenie L. Pyle**  
Manager, Regulatory Assurance  
Arkansas Nuclear One

0CAN011802

January 31, 2018

ATTN: Document Control Desk  
Director, Division of Spent Fuel Management  
Office of Nuclear Material Safety and Safeguards  
U.S. Nuclear Regulatory Commission  
Rockville, MD 20555-0001

SUBJECT: Spent Fuel Storage Radioactive Effluent Release Report for 2017  
Arkansas Nuclear One – Units 1 and 2  
Docket Nos. 50-313, 50-368, and 72-13  
License Nos. DPR-51 and NPF-6

Dear Sir or Madam:

Pursuant to the requirements of 10 CFR 72.44(d)(3) and Holtec's HI-STORM 100 Certificate of Compliance, Appendix A (Technical Specifications), Section 5.4, Entergy Operations, Inc. (Entergy) is submitting the annual radioactive effluent release report for the independent spent fuel storage facility located at Arkansas Nuclear One (ANO). The report is to specify the quantity of each of the principal radionuclides released to the environment in liquid and gaseous effluents. This report addresses the operation of the independent spent fuel storage facility located at ANO during the 2017 calendar year.

The spent fuel storage cask systems employed at ANO do not create any radioactive material or have any radioactive waste treatment components. There is no gaseous or liquid pathway attributed to the spent fuel stored in the independent spent fuel storage facility. Radiological surveys and current postings were reviewed and demonstrated that no radionuclides were released to the environment in liquid or gaseous effluents during 2017. There is no impact to members of the public from the operation of the ANO independent spent fuel storage facility during the 2017 calendar year.

This fulfills the reporting requirements of 10 CFR 72.44(d)(3) and the HI-STORM 100 Technical Specification 5.4.

This letter contains no new regulatory commitments.

If you have any questions concerning this submittal or Entergy's storage of spent fuel at ANO under the general license, please contact me.

Sincerely,

**ORIGINAL SIGNED BY STEPHENIE L. PYLE**

SLP/rwc

cc: Mr. Kriss M. Kennedy  
Regional Administrator  
U. S. Nuclear Regulatory Commission, Region IV  
1600 East Lamar Boulevard  
Arlington, TX 76011-4511

NRC Senior Resident Inspector  
Arkansas Nuclear One  
P. O. Box 310  
London, AR 72847

U. S. Nuclear Regulatory Commission  
Attn: Mr. Thomas Wengert  
MS O-8B1A  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852