



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

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

OCAN091405

September 23, 2014

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

SUBJECT: Registration of Cask Use  
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:

In accordance with the requirement of 10 CFR 72.212(b)(2), this letter hereby registers the initial use, on September 4, 2014, of the 65<sup>th</sup> dry fuel storage cask utilized at Arkansas Nuclear One (ANO) by providing the following information:

<b>Licensee's Name</b>	Entergy Operations, Inc
<b>Licensee Address</b>	1443 SR 333 Russellville, AR 72802
<b>Reactor License Numbers</b>	DPR-51 and NPF-6
<b>Reactor Docket Numbers</b>	50-313 and 50-368
<b>Cask Certification Number</b>	1014
<b>Holtec Certificate Amendment Number</b>	5
<b>Holtec FSAR Amendment Number</b>	7
<b>Cask Model Number</b>	HI-STORM
<b>Cask Identification Number</b>	Holtec Cask 41

This letter contains no new regulatory commitments.

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

Sincerely,

**ORIGINAL SIGNED BY STEPHENIE L. PYLE**

SLP/rwc

cc: Mr. Marc L. Dapas  
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: Ms. Andrea E. George  
MS O-8B1  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Mr. Bernard R. Bevill  
Arkansas Department of Health  
Radiation Control Section  
4815 West Markham Street  
Slot #30  
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