



Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802
Tel 479-858-4619

Dale E. James
Manager, Licensing - ANO

10CFR72.212(b)(1)(ii)

OCAN080603

August 22, 2006

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 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 compliance with the requirements of 10CFR72.212(b)(1)(ii), this letter hereby registers the initial use, on August 5, 2006, of the 47th dry fuel storage cask utilized at Arkansas Nuclear One (ANO) by providing the following information:

Licensee's Name	Entergy Operations, Inc.
Licensee's Address	1448 SR 333 Russellville, AR 72802
Reactor License Numbers	DPR-51 and NPF-6
Reactor Docket Numbers	50-313 and 50-368
Cask Certificate Number	1014
Cask Model Number	HI-STORM 100
Cask Identification Number	Holtec Cask 23

There are no new commitments contained in this submittal.

If you have any questions concerning this submittal or Entergy Operations' storage of spent fuel under the general license, please contact Stephenie Pyle at (479) 858-4704.

NM5501

Sincerely,



DEJ/SLP

cc: Dr. Bruce S. Mallett
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

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

U. S. Nuclear Regulatory Commission
Attn: Mr. Drew G. Holland
Mail Stop O-7 D1
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission
Attn: Mr. John Monninger
Mail Stop 0-13 D13
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission
Attn: Mr. Christopher Regan
Mail Stop 0-13 D13
Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission
Attn: Mr. Scott Atwater
Region IV
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064