Entergy Operations, Inc.
1448 S.R. 333
Russellville, AR 72802
Tel 479-858-4710

David B. Bice
Acting Manager, Licensing - ANO

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

0CAN110904

November 19, 2009

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
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 10 CFR 72.212(b)(1)(ii), this letter hereby registers the initial use, on November 5, 2009, of the 56th 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 32
Holtec CoC Amendment Number	5
Holtec FSAR Amendment Number	7

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 me.

Sincerely,

DBB/SLP

cc: Mr. Elmo Collins
Regional Administrator
U. S. Nuclear Regulatory Commission
Region IV
612 E. Lamar Blvd., Suite 400
Arlington, TX 76011-4125

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

U. S. Nuclear Regulatory Commission
Attn: Mr. Kaly Kalyanam
Mail Stop O-8 B1
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U. S. Nuclear Regulatory Commission
Attn: Mr. John Monninger
Mail Stop O-13 D13
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U. S. Nuclear Regulatory Commission
Attn: Ms. Shana Helton
Mail Stop E-3 D2M
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