



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

Dale E. James
Manager, Licensing - ANO

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

OCAN080703

August 22, 2007

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 July 27, 2007 and August 4, 2007, of the 50th and 51st dry fuel storage casks 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 26 Holtec Cask 27

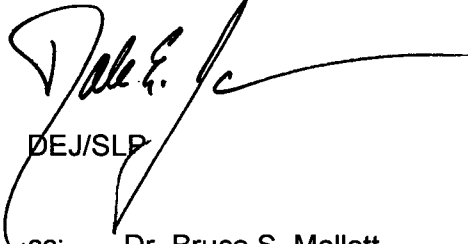
There are no new commitments contained in this submittal.

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.

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NMSS

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
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London, AR 72847

U. S. Nuclear Regulatory Commission
Attn: Mr. Alan B. Wang
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Washington, DC 20555-0001

U. S. Nuclear Regulatory Commission
Attn: Mr. John Monninger
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U. S. Nuclear Regulatory Commission
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