



Entergy Operations, Inc.
P.O. Box 756
Port Gibson, MS 39150
Tel 601 437 2800

GNRO 2010-00001

January 6, 2010

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Notification of Spent Fuel Cask Use
Grand Gulf Nuclear Station, Unit No. 1
Docket Nos. 50-416 and 72-50
License No. NPF-29

Dear Sir or Madam:

In accordance with 10CFR72.212(b)(1)(ii), Entergy Operations, Inc. is required to register use of each cask with the Nuclear Regulatory Commission no later than 30 days after using that cask to store spent fuel. This letter serves as notification that the following casks were placed in service:

- December 9, 2009 HI-STORM Cask serial number 332 containing Multi Purpose Canister (MPC) serial number 224
- December 16, 2009 HI-STORM Cask serial number 331 containing MPC serial number 223

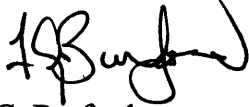
In accordance with the instructions provided in 10CFR72.212(b)(1)(ii), the following information is provided:

Licensee's Name:	Entergy Operations, Inc.
Licensee's Address:	Grand Gulf Nuclear Station P.O. Box 756 Port Gibson, MS 39150
Reactor License Number	NPF-29
Docket Numbers:	50-416 / 72-50
Cask Certificate Number:	1014, Amendment 5
Cask Model Number:	HI-STORM 100S-B
Cask Identification Numbers:	Cask Serial Numbers 331, 332

This letter contains no commitments.

If you have any questions contact Dennis M. Coulter, Sr. Licensing Specialist, at 601-437-6595.

Sincerely,



F. G. Burford
Acting Licensing Manager

FGB/DMC/dmc

cc: NRC Senior Resident Inspector
Grand Gulf Nuclear Station
Port Gibson, MS 39150

U.S. Nuclear Regulatory Commission
ATTN: Mr. Elmo E. Collins, Jr.
Region Administrator, Region IV
612 East Lamar Blvd, Suite 400
Arlington, TX 76011-4005

U. S. Nuclear Regulatory Commission
ATTN: Mr. Carl F. Lyon, NRR/ADRO/DORL
Mail Stop OWFN/8 B1
Washington, DC 20555-0001

ATTN: Document Control Desk,
Director, Spent Fuel Project Office
Office of Nuclear Material Safety and Safeguards
U.S. Nuclear Regulatory Commission,
Washington, DC 20555-0001

Mr. Ray Kellar
U. S. Nuclear Regulatory Commission, Region IV
612 East Lamar Blvd., Suite 400
Arlington, TX 76011-4005