



Tennessee Valley Authority  
1101 Market Street, LP 3R  
Chattanooga, Tennessee 37402-2801

**R. M. Krich**  
Vice President  
Nuclear Licensing

September 7, 2010

10 CFR 72.4  
10 CFR 72.212

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

Browns Ferry Nuclear Plant, Units 1, 2, and 3  
Facility Operating License Nos. DPR-33, DPR-52, and DPR-68  
NRC Docket Nos. 50-259, 50-260, 50-296, and 72-052

**Subject: Registration of Use of Cask to Store Spent Fuel**

In accordance with 10 CFR 72.212, "Conditions of General License Issued Under §72.210," paragraph (b)(1)(ii), the Tennessee Valley Authority (TVA) is submitting the registration, for the use of three spent fuel storage casks under the general license to store spent fuel at the Browns Ferry Nuclear Plant Independent Spent Fuel Storage Installation. The initial use of the first cask listed below to store spent fuel occurred on August 7, 2010. This registration is required to be submitted within 30 days of initial use. Accordingly, this submittal is due by September 7, 2010.

Pursuant to 10 CFR 72.212, paragraph (b)(1)(ii), TVA is providing the following Information:

Licensee Name:	Tennessee Valley Authority
Licensee Address:	Post Office Box 2000 Decatur, Alabama 35609-2000
Reactor License Numbers:	DPR-33, DPR-52, and DPR-68
Reactor Docket Numbers:	50-259, 50-260, and 50-296

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Responsible Individual: Tom Matthews  
Manager, Corporate Nuclear Licensing, BFN

Cask Certificate Number: 1014, Amendment 5

Cask Model Number: HI-STORM 100S

For the cask system placed in service on August 7, 2010:

Cask Identification Numbers: Multi-Purpose Canister  
Type 68, Serial No. 0242  
Overpack Serial No. 0365

For the cask system placed in service on August 13, 2010:

Cask Identification Numbers: Multi-Purpose Canister  
Type 68, Serial No. 0243  
Overpack Serial No. 0366

For the cask system placed in service on August 19, 2010:

Cask Identification Numbers: Multi-Purpose Canister  
Type 68, Serial No. 0244  
Overpack Serial No. 0357

There are no new regulatory commitments in this letter. If you have any questions, please contact Tom Matthews at (423) 751-2687.

Respectfully,

  
R. M. Krich

cc: NRC Regional Administrator - Region II