



Post Office Box 2000, Decatur, Alabama, 35609-2000

July 25, 2022

10 CFR 72.4
10 CFR 72.212

ATTN: Document Control Desk
Director, Division of Spent Fuel Management
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
Renewed 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 (MPC-240, -241, -242, -243)**

In accordance with Title 10 of the Code of Federal Regulations (10 CFR) 72.212, "Conditions of general license issued under §72.210," paragraph (b)(2), the Tennessee Valley Authority (TVA) is submitting the registration for the use of four spent fuel storage casks under the general license to store spent fuel at the Browns Ferry Nuclear Plant (BFN) Independent Spent Fuel Storage Installation (ISFSI). The initial use of the first cask listed below to store spent fuel occurred on June 25, 2022. The registration of three additional casks, which were initially used on July 1, 2022, July 9, 2022, and July 15, 2022, are also being submitted with this report. This registration is required to be submitted to the Nuclear Regulatory Commission (NRC) within 30 days of initial use. Accordingly, this registration is due to the NRC by July 25, 2022, in accordance with 10 CFR 72.212.

Pursuant to 10 CFR 72.212(b)(2), TVA is providing the following cask loading information:

Licensee Name:	Tennessee Valley Authority
Licensee Address:	Browns Ferry Nuclear Plant 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, 50-296
ISFSI Docket Number:	72-052

July 25, 2022

Responsible Individual: Christopher L. Vaughn
Site Licensing Manager,
Browns Ferry Nuclear Plant

Cask Certificate Number: 1032, Amendment 0, Revision 1

Cask Model Number: Holtec International, HI-STORM FW MPC
Storage System

For the cask system placed in service on June 25, 2022:

Cask Identification Numbers Multi-Purpose Canister
Type 89, Serial No. 240
Overpack Serial No. 327

For the cask system placed in service on July 1, 2022:

Cask Identification Numbers Multi-Purpose Canister
Type 89, Serial No. 241
Overpack Serial No. 328

For the cask system placed in service on July 9, 2022:

Cask Identification Numbers Multi-Purpose Canister
Type 89, Serial No. 242
Overpack Serial No. 329

For the cask system placed in service on July 15, 2022:

Cask Identification Numbers Multi-Purpose Canister
Type 89, Serial No. 243
Overpack Serial No. 330

There are no new regulatory commitments contained in this letter. Should you have any questions concerning this submittal, please contact Christopher L. Vaughn, Nuclear Site Licensing Manager, at (256) 729-2636.

Respectfully,



Matthew Rasmussen
Site Vice President

U.S. Nuclear Regulatory Commission

Page 3

July 25, 2022

cc:

NRC Regional Administrator - Region II

NRC Project Manager - Browns Ferry Nuclear Plant