



Brunswick Nuclear Plant  
P.O. Box 10429  
Southport, NC 28461

June 6, 2016

10 CFR 72.212

Serial: BSEP 16-0043

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

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2  
Renewed Facility Operating License Nos. DPR-71 and DPR-62  
Docket Nos. 50-325 and 50-324  
Independent Spent Fuel Storage Installation (ISFSI) Docket No. 72-06  
Registration for Use of General License Spent Fuel Cask

Ladies and Gentlemen:

In accordance with 10 CFR 72.212(b)(2), Duke Energy Progress, Inc., hereby notifies the NRC of storage of dry fuel under Cask Certificate of Compliance 72-1004, Amendment 10, as described below:

Licensee Name: Duke Energy Progress, Inc.  
Licensee Address: Brunswick Steam Electric Plant  
P.O. Box 10429  
Southport, NC 28461-0429  
Date of Storage: May 25, 2016  
Cask Model: Type 2 NUHOMS®-61BTH  
Canister Identification Number: BNP-61BTH-2-E-2H-LT18  
Module Storage Location: HSM-H / 0-ISFSI-HSM-027

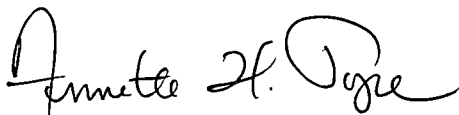
The cask listed above is not the highest heat load cask loaded to date; therefore, a thermal performance assessment is not provided.

No regulatory commitments are contained in this letter.

NM5520

If there are any questions regarding this registration, please contact Mr. Lee Grzeck,  
Manager - Regulatory Affairs, at (910) 457-2487.

Sincerely,

A handwritten signature in black ink, reading "Annette H. Pope". The signature is fluid and cursive, with the first name "Annette" being the most prominent part.

Annette H. Pope  
Director – Organizational Effectiveness  
Brunswick Steam Electric Plant

cc:

U.S. Nuclear Regulatory Commission, Region II  
ATTN: Ms. Catherine Haney, Regional Administrator  
245 Peachtree Center Ave, NE, Suite 1200  
Atlanta, GA 30303-1257

U.S. Nuclear Regulatory Commission  
ATTN: Mr. Andrew Hon (Mail Stop OWFN 8G9A) **(Electronic Copy Only)**  
11555 Rockville Pike  
Rockville, MD 20852-2738

U.S. Nuclear Regulatory Commission  
ATTN: Ms. Michelle P. Catts, NRC Senior Resident Inspector  
8470 River Road  
Southport, NC 28461-8869

U.S. Nuclear Regulatory Commission, Region II  
ATTN: Mr. Robert P. Carrion, Division of Reactor Safety  
245 Peachtree Center Ave, NE, Suite 1200  
Atlanta, GA 30303-1257

Chair - North Carolina Utilities Commission  
P.O. Box 29510  
Raleigh, NC 27626-0510

U.S. Nuclear Regulatory Commission  
ATTN: Mr. John Nguyen (Mail Stop TWFN 14A) **(Electronic Copy Only)**  
11555 Rockville Pike  
Rockville, MD 20852-2738  
John-Chau.Nguyen@nrc.gov