



May 12, 2016

10 CFR 72.212

Serial: BSEP 16-0033

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. 72-006
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: April 29, 2016
Cask Model: Type 2 NUHOMS®-61BTH
Canister Identification Number: BNP-61BTH-2-E-2-LT10
Module Storage Location: HSM-H / 0-ISFSI-HSM-024

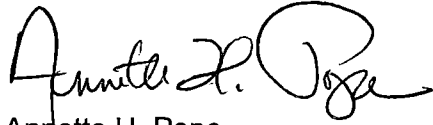
The cask listed above is not the highest heat load cask loaded to date; therefore, a thermal performance assessment is not provided.

No regulatory commitments are contained in this letter.

NMSS 20
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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, appearing to read "Annette H. Pope". The signature is fluid and cursive, with the first name "Annette" written in a larger, more prominent script than the last name "Pope".

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 4B34) **(Electronic Copy Only)**
11555 Rockville Pike
Rockville, MD 20852-2738
John-Chau.Nguyen@nrc.gov