



October 25, 2017

10 CFR 72.212

Serial: BSEP 17-0090

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 Casks

References: 1. Certificate of Compliance No. 1004, Amendment 10, U.S. Nuclear Regulatory Commission, dated August 24, 2009, ADAMS Accession Number ML092290204  
2. Certificate of Compliance No. 1004, Amendment 10, Revision 1, U.S. Nuclear Regulatory Commission, dated March 31, 2017, ADAMS Accession Number ML17068A021  
3. *Federal Register*, 82 FR 8353, *List of Approved Spent Fuel Storage Casks: AREVA Inc., Standardized NUHOMS® Cask System, Certificate of Compliance No. 1004, Amendment No. 14, and Revision 1 to the Initial Certificate, Amendment Nos. 1 Through 11, and Amendment No. 13*, January 25, 2017

Ladies and Gentlemen:

Pursuant to 10 CFR 72.212(b)(2), Duke Energy Progress, LLC (Duke Energy), provides notification that the 32 NUHOMS-61BTH spent fuel storage casks loaded at the Brunswick Steam Electric Plant (BSEP), which were previously registered to Certificate of Compliance (CoC) No. 1004, Amendment 10 (i.e., Reference 1), are now registered to CoC No. 1004, Amendment 10, Revision 1 (i.e., Reference 2). The Revision 1 change to CoC No. 1004, Amendment 10, was addressed in Reference 3. A list of the BSEP Independent Spent Fuel Storage Installation (ISFSI) registered casks is enclosed.

No new regulatory commitments are contained in this letter.

Please refer any questions regarding this submittal to Mr. Lee Grzeck, Manager – Regulatory Affairs, at (910) 832-2487.

Sincerely,



Bryan B. Wooten  
Director – Organizational Effectiveness  
Brunswick Steam Electric Plant

Enclosure: Cask Re-registration List

WRM/wrm

cc: U.S. Nuclear Regulatory Commission, Region II  
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Cask Re-registration List

In accordance with 10 CFR 72.212(b)(2), Duke Energy Progress, LLC, hereby notifies the NRC of the re-registration of the spent fuel casks listed below under Cask Certificate of Compliance No. 1004, Amendment 10, Revision 1, as listed below.

Licensee Name: Duke Energy Progress, LLC  
 Licensee Address: Brunswick Steam Electric Plant  
 P.O. Box 10429  
 Southport, NC 28461-0429  
 Cask Model: Type 2 NUHOMS®-61BTH

Cask BNP-61BTH-2-F-1-HZ08 listed below was the highest heat load cask loaded to date. A thermal performance assessment was previously submitted by letter dated February 24, 2011 (i.e., ADAMS Accession Number ML110670429).

<b>Canister Identification Number</b>	<b>Module Storage Location</b>	<b>Date of Storage</b>
BNP-61BTH-2-F-1-HZ01	0-ISFSI-HSM-001	October 12, 2010
BNP-61BTH-2-F-1-HZ03	0-ISFSI-HSM-002	October 21, 2010
BNP-61BTH-2-F-1-HZ04	0-ISFSI-HSM-003	October 28, 2010
BNP-61BTH-2-F-1-HZ05	0-ISFSI-HSM-004	November 5, 2010
BNP-61BTH-2-F-1-HZ02	0-ISFSI-HSM-005	January 21, 2011
BNP-61BTH-2-F-1-HZ06	0-ISFSI-HSM-006	January 27, 2011
BNP-61BTH-2-F-1-HZ07	0-ISFSI-HSM-007	February 3, 2011
BNP-61BTH-2-F-1-HZ08	0-ISFSI-HSM-008	February 9, 2011
BNP-61BTH-2-D-2-LT01	0-ISFSI-HSM-009	January 19, 2013
BNP-61BTH-2-D-2-LT02	0-ISFSI-HSM-010	January 29, 2013
BNP-61BTH-2-F-1-HZ09	0-ISFSI-HSM-012	February 14, 2013
BNP-61BTH-2-D-2-LT05	0-ISFSI-HSM-011	February 20, 2013
BNP-61BTH-2-D-2-LT03	0-ISFSI-HSM-014	April 26, 2013
BNP-61BTH-2-D-2-LT04	0-ISFSI-HSM-013	May 2, 2013
BNP-61BTH-2-D-2-LT06	0-ISFSI-HSM-015	May 8, 2013
BNP-61BTH-2-F-1-HZ10	0-ISFSI-HSM-016	May 15, 2013
BNP-61BTH-2-E-2-LT07	0-ISFSI-HSM-017	August 9, 2014
BNP-61BTH-2-E-2-LT08	0-ISFSI-HSM-018	August 14, 2014
BNP-61BTH-2-E-2-LT09	0-ISFSI-HSM-020	August 27, 2014
BNP-61BTH-2-E-2-LT11	0-ISFSI-HSM-019	August 14, 2015
BNP-61BTH-2-E-2-LT12	0-ISFSI-HSM-021	August 27, 2015
BNP-61BTH-2-E-2-LT13	0-ISFSI-HSM-023	September 1, 2015
BNP-61BTH-2-E-2-LT14	0-ISFSI-HSM-022	September 7, 2015
BNP-61BTH-2-E-2-LT10	0-ISFSI-HSM-024	April 29, 2016
BNP-61BTH-2-E-2H-LT15	0-ISFSI-HSM-026	May 5, 2016
BNP-61BTH-2-E-2H-LT16	0-ISFSI-HSM-028	May 11, 2016
BNP-61BTH-2-E-2H-LT17	0-ISFSI-HSM-025	May 18, 2016
BNP-61BTH-2-E-2H-LT18	0-ISFSI-HSM-027	May 25, 2016

<b>Canister Identification Number</b>	<b>Module Storage Location</b>	<b>Date of Storage</b>
BNP-61BTH-2-E-2H-LT19	0-ISFSI-HSM-030	July 27, 2017
BNP-61BTH-2-E-2H-LT20	0-ISFSI-HSM-032	August 2, 2017
BNP-61BTH-2-E-2H-LT21	0-ISFSI-HSM-029	August 10, 2017
BNP-61BTH-2-E-2H-LT22	0-ISFSI-HSM-031	August 17, 2017