



Benjamin C. Waldrep
Vice President
Brunswick Nuclear Plant
Progress Energy Carolinas, Inc.

MAR 05 2008

SERIAL: BSEP 08-0037
TSC-2006-06

10 CFR 50.90

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Subject: Brunswick Steam Electric Plant, Unit Nos. 1 and 2
Docket Nos. 50-325 and 50-324/License Nos. DPR-71 and DPR-62
Additional Information in Support of Request for License Amendments
Regarding Linear Heat Generation Rate and Core Operating Limits Report
References for AREVA NP Fuel (NRC TAC Nos. MD4063 and MD4064)

References: Letter from James Scarola to the U.S. Nuclear Regulatory Commission
(Serial: BSEP 06-0129), "Request for License Amendments Regarding
Linear Heat Generation Rate and Core Operating Limits Report References
for AREVA NP Fuel," dated January 22, 2007 (ADAMS Accession
Number ML070300570)

Ladies and Gentlemen:

By letter dated January 22, 2007, as supplemented by letters dated June 21, 2007, July 18, 2007, July 31, 2007, October 15, 2007, January 24, 2008, and February 14, 2008, Carolina Power & Light Company (CP&L), now doing business as Progress Energy Carolinas, Inc., requested license amendments to revise the Technical Specifications (TS) for the Brunswick Steam Electric Plant (BSEP), Unit Nos. 1 and 2. The proposed changes support the BSEP transition to AREVA fuel and core design methodologies.

The new Technical Specification 3.2.3, "Linear Heat Generation Rate (LHGR)" submitted by the January 22, 2007, letter included a Surveillance Requirement (SR) which was incorrectly designated as SR 3.2.1.1. The new Surveillance Requirement should have been designated as SR 3.2.3.1. Enclosed are replacement, typed TS pages which reflect the revised numbering of this LHGR SR. The SR renumbering is a purely administrative change and, as such, has no impact on the conclusions of the previously published No Significant Hazards Consideration.

There are no regulatory commitments associated with this submittal. Please refer any questions regarding this submittal to Mr. Randy C. Ivey, Manager - Support Services, at (910) 457-2447.

A001
NLR

I declare, under penalty of perjury, that the foregoing is true and correct. Executed on March 5, 2008.

Sincerely,



Benjamin C. Waldrep

WRM/wrm

Enclosure: Replacement, Typed Technical Specification Pages

cc (with enclosure):

U. S. Nuclear Regulatory Commission, Region II
ATTN: Mr. Victor M. McCree, Regional Administrator (Acting)
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW, Suite 23T85
Atlanta, GA 30303-8931

U. S. Nuclear Regulatory Commission
ATTN: Mr. Joseph D. Austin, NRC Senior Resident Inspector
8470 River Road
Southport, NC 28461-8869

U. S. Nuclear Regulatory Commission **(Electronic Copy Only)**
ATTN: Mr. Stewart N. Bailey (Mail Stop OWFN 8B1)
11555 Rockville Pike
Rockville, MD 20852-2738

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

Ms. Beverly O. Hall, Section Chief
Radiation Protection Section, Division of Environmental Health
North Carolina Department of Environment and Natural Resources
3825 Barrett Drive
Raleigh, NC 27609-7221

Replacement, Typed Technical Specification Pages

3.2 POWER DISTRIBUTION LIMITS

3.2.3 LINEAR HEAT GENERATION RATE (LHGR)

LCO 3.2.3 All LHGRs shall be less than or equal to the limits specified in the COLR.

APPLICABILITY: THERMAL POWER \geq 23% RTP.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Any LHGR not within limits.	A.1 Restore LHGR(s) to within limits.	4 hours
B. Required Action and associated Completion Time not met.	B.1 Reduce THERMAL POWER to < 23% RTP.	4 hours

SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.2.3.1 Verify all LHGRs are less than or equal to the limits specified in the COLR.	Once within 12 hours after \geq 23% RTP <u>AND</u> 24 hours thereafter

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