



February 24, 2012  
Serial: HNP-12-027

10 CFR 50.90

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

SHEARON HARRIS NUCLEAR POWER PLANT, UNIT NO. 1  
DOCKET NO. 50-400 / RENEWED LICENSE NO. NPF-63

Subject: Application for Revision to Technical Specification 5.3.1 and Core Operating Limits Report References For M5™ Cladding Implementation Schedule (TAC ME5409)

Reference: Letter from C.L. Burton to the U.S. NRC, "Application for Revision to Technical Specification 5.3.1 and Core Operating Limits Report (COLR) References For M5™ Cladding", Serial HNP-10-024, dated January 13, 2011, ADAMS Ascension No. ML110250265

Ladies and Gentlemen:

By letter dated January 13, 2011, Carolina Power and Light Company (CP&L), doing business as Progress Energy, Carolinas, Inc., submitted a request for an amendment to the Technical Specifications (TS) for Shearon Harris Nuclear Power Plant Unit 1 (HNP). The license amendment request (LAR) proposed a change to the HNP Technical Specifications (TS) 5.3.1 and adds the AREVA NP report BAW-10240(P)(A), "Incorporation of M5™ Properties in Framatome ANP Approved Methods," to the referenced analytical methods in administrative TS 6.9.1.6.2 to allow the use of M5™ alloy for fuel rod cladding. The proposed amendment would modify the HNP TS to permit the use of the AREVA fuel cladding alloy designated as M5™.

The referenced application requested approval of the proposed license amendment by January 2012 with implementation prior to the start of Cycle 18. Based upon the current operating schedule, CP&L revises the requested approval to March 21, 2012, with the amendment being implemented within 90 days.

Progress Energy Carolinas, Inc.  
Harris Nuclear Plant  
P. O. Box 165  
New Hill, NC 27562

A001  
MUR

This document contains no Regulatory Commitment.

Please direct any questions regarding this submittal to me at (919) 362-3137.

Sincerely,



David H. Corlett  
Supervisor, Licensing/Regulatory Programs  
Harris Nuclear Plant

cc: Mr. J. D. Austin, NRC Sr. Resident Inspector, HNP  
Mr. W. L. Cox, III, Section Chief N.C. DENR  
Ms. A. T. Billoch Colón, NRC Project Manager, HNP  
Mr. V. M. McCree, NRC Regional Administrator, Region II