



Robert J. Duncan, II
Vice President
Harris Nuclear Plant
Progress Energy Carolinas, Inc.

DEC 20 2007

Serial: HNP-07-176
10 CFR 50.54(f)

U.S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
Washington, DC 20555

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

REQUEST FOR EXTENSION TO COMPLETE CORRECTIVE
ACTIONS FOR NRC GENERIC LETTER 2004-02, "POTENTIAL
IMPACT OF DEBRIS BLOCKAGE ON EMERGENCY RECIRCULATION
DURING DESIGN BASIS ACCIDENTS AT PRESSURIZED-WATER REACTORS"

Reference: 1. Letter from William H. Ruland, Nuclear Regulatory Commission, to Anthony R. Pietrangelo, Nuclear Energy Institute, "Plant-Specific Requests for Extension of Time to Complete One or More Corrective Actions for Generic Letter 2004-02, 'Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors,'" dated November 8, 2007

Ladies and Gentlemen:

NRC Generic Letter (GL) 2004-02, "Potential Impact of Debris Blockage on Emergency Recirculation during Design Basis Accidents at Pressurized-Water Reactors," dated September 13, 2004, requires that all actions should be completed by December 31, 2007. This letter provides the status of completion of these actions for the Harris Nuclear Plant (HNP) and requests an extension to allow completion of internal reviews.

The NRC provided guidance pertaining to GL 2004-02 extension requests in a letter dated November 8, 2007 (Reference 1). Based on the guidance provided in that letter, HNP's extension request meets the guidelines of a "Case 1" plant, considered a situation of very low safety significance.

HNP's modification to the containment sump is complete. A new sump strainer was installed during Refueling Outage 14, which ended October 23, 2007. Debris generation and transport analyses have been performed. Head loss testing was conducted in 2006 to qualify the strainers for the predicted debris loads using a prototypical strainer array. Additionally, testing has been completed to determine strainer performance based on chemical effects.

The strainer installation, analyses, and testing that have been completed provide confidence that HNP has satisfactorily resolved the issues associated with strainer performance and GL

P.O. Box 165
New Hill, NC 27562

T > 919.362.2502
F > 919.362.2095

A114
NRR

HNP-07-176

Page 2

2004-02. However, based on the current schedule for finalizing all remaining evaluations, it does not appear that HNP's internal reviews will be completed to allow submission of the final results to the NRC by the end of 2007.

Therefore, in accordance with Reference 1, HNP proposes that its final submittal to the NRC documenting the completion of all actions for GL 2004-02 be provided by March 31, 2008.

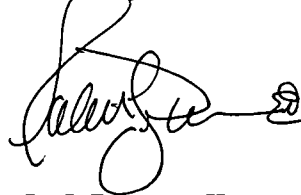
This document contains no new regulatory commitment.

Please refer any questions regarding this submittal to Mr. Dave Corlett at (919) 362-3137.

I declare, under penalty of perjury, that the foregoing is true and correct.

Executed on [DEC 20 2007]

Sincerely,

A handwritten signature in black ink, appearing to read "R. J. Duncan, II", with a stylized flourish at the end.

R. J. Duncan, II
Vice President
Harris Nuclear Plant

RJD/kms

cc: Mr. P. B. O'Bryan, NRC Sr. Resident Inspector
Mr. V. M. McCree, NRC Acting Regional Administrator, Region II
Ms. M. G. Vaaler, NRC Project Manager