

Serial: RNP-RA/08-0029

FEB 2 9 2008

United States Nuclear Regulatory Commission ATTN: Document Control Desk 11555 Rockville Pike Rockville, Maryland 20852

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 DOCKET NO. 50-261/LICENSE NO. DPR-23

ADDITIONAL 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"

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," requires that all actions should be completed by December 31, 2007. By letter dated December 19, 2007, an extension of this due date was requested for H. B. Robinson Steam Electric Plant (HBRSEP), Unit No. 2. That extension request was based on guidance provided in a letter dated November 8, 2007, from William Ruland, Director of the Division of Safety Systems, to Anthony Pietrangelo of the Nuclear Energy Institute (NEI). Based on that guidance, the request was considered to be a "Case 1" plant-specific extension request.

Additionally, the December 19, 2007, extension request letter stated that the modification to the containment sump is complete. A new sump strainer was installed at HBRSEP, Unit No. 2, during Refueling Outage 24, which ended on May 13, 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 to determine strainer performance based on chemical effects has been recently completed.

In a letter dated December 28, 2007, the NRC acknowledged the extension request and stated that the completion of corrective actions for GL 2004-02 should be reported to the NRC by February 29, 2008.

Progress Energy Carolinas, Inc. Robinson Nuclear Plant 3581 West Entrance Road Hartsville, SC 29550

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10 CFR 50.54(f)

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The December 19, 2007, extension request letter stated that the strainer installation, analyses, and testing had been sufficiently completed to provide confidence that the issues associated with strainer performance and GL 2004-02 have been satisfactorily resolved. However, internal reviews would not be completed in time to submit the final results by the end of 2007, based on the schedule for finalization of the reports for the recently completed testing.

During finalization of the reports associated with the recently completed testing, it has been determined that additional time is needed to complete the reviews. This need for additional time has been discussed with the NRC Project Manager for HBRSEP, Unit No. 2, Ms. Marlayna G. Vaaler. It was concluded that an additional week can be used to complete the preparation of the GL 2004-02 submittal letter.

Therefore, a final submittal to the NRC documenting the completion of corrective actions for GL 2004-02 will be provided by March 7, 2008.

An attachment to this letter provides an Affirmation in accordance with the provisions of Section 182a of the Atomic Energy Act of 1954, as amended, and 10 CFR 50.54(f).

If you have any questions concerning this matter, please contact Mr. Curt Castell at (843) 857-1626.

Sincerely,

C. T. Baucom Manager – Support Services – Nuclear

CTB/cac

Attachment

c: V. M. McCree, NRC, Region II M. G. Vaaler, NRC, NRR NRC Resident Inspector United States Nuclear Regulatory Commission Attachment to Serial: RNP-RA/08-0029 Page 1 of 1

AFFIRMATION

The information contained in letter RNP-RA/08-0029 is true and correct to the best of my information, knowledge, and belief; and the sources of my information are officers, employees, contractors, and agents of Carolina Power and Light Company, also known as Progress Energy Carolinas, Inc. I declare under penalty of perjury that the foregoing is true and correct.

Executed On: 2/29/08

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T. D. Walt Vice President, HBRSEP, Unit No. 2