



Serial: RNP-RA/07-0132

DEC 19 2007

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

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"

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. This letter provides the status of completion of these actions and a request for 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, from William Ruland, Director of the Division of Safety Systems, to Anthony Pietrangelo of the Nuclear Energy Institute (NEI). Based on that guidance, this request is considered to be a "Case 1" plant-specific extension request.

The modification to the containment sump is complete. A new sump strainer was installed at H. B. Robinson Steam Electric Plant (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.

The strainer installation, analyses, and testing that have been completed provide confidence that the issues associated with strainer performance and GL 2004-02 have been satisfactorily resolved. However, internal reviews will not be completed in time to submit the final results by the end of 2007 based on the current schedule for finalization of the test reports for the recently completed testing.

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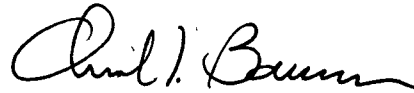
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Therefore, a final submittal to the NRC documenting the completion of corrective actions for GL 2004-02 will be provided by February 29, 2008.

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 Curt Castell at (843) 857-1626.

Sincerely,

A handwritten signature in black ink, appearing to read "C. T. Baucom". The signature is fluid and cursive, with the first name "C. T." and the last name "Baucom" clearly distinguishable.

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

AFFIRMATION

The information contained in letter RNP-RA/07-0132 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: 12/19/07



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