



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

February 4, 2013

Mr. William R. Gideon, Vice President
Carolina Power & Light Company
H.B. Robinson Steam Electric Plant, Unit 2
3581 West Entrance Road
Hartsville, SC 29550

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 – REQUEST FOR
ADDITIONAL INFORMATION FOR REVIEW REGARDING THE STEAM
GENERATOR LICENSE AMENDMENT REQUEST TO REVISE TECHNICAL
SPECIFICATION FOR PERMANENT ALTERNATE REPAIR CRITERIA
(TAC NO. ME9448)

Dear Mr. Gideon:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated August 29, 2012 (Agencywide Documents Access and Management System Accession No. ML12251A363), Carolina Power & Light Company (the licensee), doing business as Progress Energy Carolinas, submitted a license amendment request (LAR) for H.B. Robinson Steam Electric Plant, Unit 2. The proposed LAR combines two changes that affect the same Technical Specification (TS) sections. The first part proposes to implement revisions consistent with Task Force-510, Revision 2, "Revision to Steam Generator Program Inspection Frequencies and tube Sample Selection." The second part proposes to permanently revise TS 5.5.9, "Steam Generator Program," to exclude portions of the steam generator tube below the top of the steam generator tubesheet from periodic inspections by implementing the permanent alternate repair criteria "H*."

The NRC staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. During a discussion with your staff on January 16, 2013, it was agreed that you would provide a response 30 days from the date of this letter.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of efficient and effective use of staff resources.

W. Gideon

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Please contact me at (301) 415-3302 or via e-mail at Araceli.Billoch@nrc.gov if you have any questions.

Sincerely,

Araceli T. Billoch Colón

Araceli Billoch Colón, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosure: Request for Additional Information

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REQUEST FOR ADDITIONAL INFORMATION

REGARDING H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT 2

THE STEAM GENERATOR LICENSE AMENDMENT REQUEST TO REVISE TECHNICAL

SPECIFICATION FOR PERMANENT ALTERNATE REPAIR CRITERIA

DOCKET NO. 50-261

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated August 29, 2012 (Agencywide Documents Access and Management System Accession No. ML12251A363), Carolina Power & Light Company (the licensee), doing business as Progress Energy Carolinas, submitted a license amendment request (LAR) for H.B. Robinson Steam Electric Plant, Unit 2 (HBRSEP). The proposed LAR combines two changes that affect the same technical specification (TS) sections. The first part proposes to implement revisions consistent with Technical Specification Task Force-510, Revision 2, "Revision to Steam Generator Program Inspection Frequencies and tube Sample Selection." The second part proposes to permanently revise TS 5.5.9 "Steam Generator Program" to exclude portions of the steam generator tube below the top of the steam generator tubesheet from periodic inspections by implementing the permanent alternate repair criteria "H*."

Attachment 6 to the letter dated August 29, 2012, is a Westinghouse letter (LTR-SGMP-12-30 dated May 7, 2012) addressing the applicability of H* and the recommended leakage factor for HBRSEP, given the fact that HBRSEP has implemented a Measurement Uncertainty Recapture Power Uprate.

On pages 2 and 3 of Attachment 6, two tables from the references within Attachment 6 are reproduced. Upon review of the table on page 2, and comparison to Tables 5-1 and 9-5 of WCAP-17091-P (which is Reference 3 of Attachment 6), it is not clear if the hot leg temperature provided in these three tables represents a low T_{avg} , a high T_{avg} , or a nominal T_{avg} condition for HBRSEP. As it appears that hot leg temperature has a significant effect on secondary pressure (e.g., see the large secondary pressure change between high T_{avg} to low T_{avg} at Turkey Point Units 3 and 4 in Table 9-5).

The NRC staff requests the following additional information related to your submittal:

1. Determine the low T_{avg} and high T_{avg} hot leg temperatures for HBRSEP. Then determine if the differential pressure across the tubesheet for HBRSEP continues to be bounded by the H* analysis for Turkey Point Units 3 and 4, when the low T_{avg} hot leg temperature is used in the HBRSEP H* analysis.
2. Provide the results of the above requested analysis.

Enclosure

W. Gideon

- 2 -

Please contact me at (301) 415-3302 or via e-mail at Araceli.Billoch@nrc.gov if you have any questions.

Sincerely,

/RA/

Araceli Billoch Colón, Project Manager
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-261

Enclosure: Request for Additional Information

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