



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

September 18, 2012

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

SUBJECT: H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2 – REQUEST FOR
ADDITIONAL INFORMATION RELATED TO CHANGES REGARDING
TECHNICAL SPECIFICATION (TS) 3.1.4 ROD GROUP ALIGNMENT LIMITS
AND TS 3.1.7 ROD POSITION INDICATION (TAC NO. ME8844)

Dear Mr. Gideon:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated June 8, 2012 (Agencywide Documents Access and Management System Accession No. ML12172A260), Carolina Power & Light Company (the licensee), doing business as Progress Energy Carolinas, Inc., submitted a license amendment request for Technical Specifications (TS) changes regarding TS Section 3.1.4 "Rod Group Alignment Limits," and TS Section 3.1.7 "Rod Position Indication" for the H. B. Robinson Steam Electric Plant, Unit No. 2.

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 September 11, 2012, it was agreed that you would provide a response 45 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.

Please contact me at (301) 415-3302 if you have any questions.

Sincerely,

Araceli 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

cc w/encl: Distribution via ListServ

REQUEST FOR ADDITIONAL INFORMATION
REGARDING H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT 2
LICENSE AMENDMENT REQUEST REGARDING TECHNICAL SPECIFICATION (TS) 3.1.4
ROD GROUP ALIGNMENT LIMITS AND TS 3.1.7 ROD POSITION INDICATION
DOCKET NO. 50-261

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated June 8, 2012 (Agencywide Documents Access and Management System Accession No. ML12172A260), Carolina Power & Light Company (the licensee), doing business as Progress Energy Carolinas, Inc., submitted a license amendment request for Technical Specifications (TS) changes regarding TS Section 3.1.4 "Rod Group Alignment Limits," and TS Section 3.1.7 "Rod Position Indication" for the H. B. Robinson Steam Electric Plant, Unit No. 2. The NRC staff has been reviewing the submittal and has determined that additional information is needed to complete its review.

Page 5 of the enclosure to the licensee's June 8, 2012, letter indicated that during the "soak-time" periods, an individual rod position indicator (RPI) difference from the demand position indication could be a legitimate indication of a misaligned rod.

Discuss the plant operating procedures that provide procedural guidance of diagnosing the actual malfunction of the control rod or RPI system, and show that the procedural guidance is sufficient for operators to differentiate between an actual malfunction of rod control or RPI system, and discuss the RPI differences from demand position indication attributed to thermal instabilities during the "soak-time" periods.

Enclosure

September 18, 2012

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Carolina Power & Light Company
H.B. Robinson Steam Electric Plant, Unit 2
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Hartsville, South Carolina 29550

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/RA/

Araceli Billoch Colón, Project Manager
Plant Licensing Branch II-2
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