



October 28, 2010

NRC 2010-0173
10 CFR 50.90

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

Point Beach Nuclear Plant, Units 1 and 2
Dockets 50-266 and 50-301
Renewed License Nos. DPR-24 and DPR-27

License Amendment Request 261
Extended Power Uprate
Response to Clarification Request

- References:
- (1) FPL Energy Point Beach, LLC letter to NRC, dated April 7, 2009, License Amendment Request 261, Extended Power Uprate (ML091250564)
 - (2) NRC electronic mail to NextEra Energy Point Beach, LLC, dated October 19, 2010, Point Beach Nuclear Plant, Units 1 and 2 - Request for Clarification re: EPU LAR 261 HELB Review (EEEEB)
 - (3) NextEra Energy Point Beach, LLC letter to NRC dated April 28, 2010, License Amendment Request 261, Extended Power Uprate, Response to Request for Additional Information (ML101190081)

NextEra Energy Point Beach, LLC (NextEra) submitted License Amendment Request (LAR) 261 (Reference 1) to the NRC pursuant to 10 CFR 50.90. The proposed amendment would increase each unit's licensed thermal power level from 1540 megawatts thermal (MWt) to 1800 MWt, and revise the Technical Specifications to support operation at the increased thermal power level.

Via Reference (2), the Electrical Engineering Branch requested clarification of information provided in Reference (3) to enable the staff's continued review of the request. Enclosure 1 provides the NextEra response to the NRC staff's request for clarification regarding EEEB-5.

This letter contains no new Regulatory Commitments and no revisions to existing Regulatory Commitments.

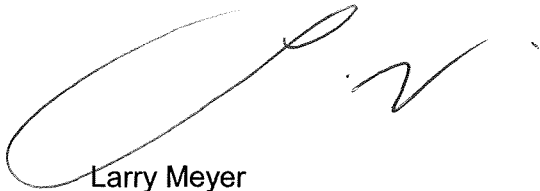
The information contained in this letter does not alter the no significant hazards consideration contained in Reference (1) and continues to satisfy the criteria of 10 CFR 51.22 for categorical exclusion from the requirements of an environmental assessment.

In accordance with 10 CFR 50.91, a copy of this letter is being provided to the designated Wisconsin Official.

I declare under penalty of perjury that the foregoing is true and correct.
Executed on October 28, 2010.

Very truly yours,

NextEra Energy Point Beach, LLC

A handwritten signature in black ink, appearing to read 'Larry Meyer', is written over a large, faint, circular watermark or stamp.

Larry Meyer
Site Vice President

Enclosure

cc: Administrator, Region III, USNRC
Project Manager, Point Beach Nuclear Plant, USNRC
Resident Inspector, Point Beach Nuclear Plant, USNRC
PSCW

ENCLOSURE 1

NEXTERA ENERGY POINT BEACH, LLC POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2

LICENSE AMENDMENT REQUEST 261 EXTENDED POWER UPRATE RESPONSE TO CLARIFICATION REQUEST

The NRC staff determined that additional information was required (Reference 1) to enable the Electrical Engineering Branch to complete its review of License Amendment Request (LAR) 261, Extended Power Uprate (EPU) (Reference 2). The following information is provided by NextEra Energy Point Beach, LLC (NextEra) in response to the NRC staff's request.

Question 1

Provide clarification to the margin shown on Figure 1 (LOCA Pressure vs. Time) of the applicant's response to the staff's RAI for the first peak of DEHL and the composite EQ curve and how it meets the margin value requirement for pressure in IEEE 323-1974.

NextEra Response

Figure 1 (LOCA Pressure vs. Time) provides a comparison of accident pressure versus the composite environmental qualification (EQ) pressure curve to demonstrate that the EQ composite curve is bounding. Figure 1 is not intended to illustrate the EQ margins per Institute of Electrical and Electronics Engineers (IEEE) Standard 323-1974; however, the margins are evaluated as part of the Equipment Qualification Checklist (EQCK). The margins are evaluated by comparing the tested parameter to the plant required parameter to identify sufficient amount of margin, as described in IEEE 323-1974. Margin is not required for equipment qualified to the Division of Operating Reactors (DOR) Guidelines. As discussed in Reference (3), the EQ equipment has been evaluated for EPU conditions and is qualified.

Question 2

Provide clarification to the margin shown on Figure 2 (LOCA Temperature vs. Time) of the applicant's response to the staff's RAI for the current LOCA minimum safety injection (MINSI) temperature at 1.0E+04 second and the composite EQ curve to demonstrate how it meets the margin value requirement for temperature in IEEE 323-1974.

NextEra Response

Figure 2 (LOCA Temperature vs. Time) provides a comparison of the accident temperature versus the composite EQ temperature curve to demonstrate that the EQ composite curve is bounding. Figure 2 is not intended to illustrate the EQ margins per IEEE 323-1974, however, the margins are evaluated as part of the EQCK. The margins are evaluated by comparing the tested parameter to the plant required parameter to identify a sufficient amount of margin, as described in IEEE 323-1974. Margin is not required for equipment qualified to the DOR

Guidelines. As discussed in Reference (3), the EQ equipment has been evaluated for EPU conditions and is qualified.

The IEEE 323-1974 margin is the difference between the most severe specified service condition(s) of the plant and the conditions used for type testing. For the current (existing) minimum safety injection (MINSI) case at 1.0E4 seconds, the accident is already past the peak condition and is in the cooldown phase.

References

- (1) NRC electronic mail to NextEra Energy Point Beach, LLC, dated October 19, 2010, Point Beach Nuclear Plant, Units 1 and 2 - Request for Clarification re: EPU LAR 261 HELB Review (EEEEB)
- (2) FPL Energy Point Beach, LLC letter to NRC, dated April 7, 2009, License Amendment Request 261, Extended Power Uprate (ML091250564)
- (3) NextEra Energy Point Beach, LLC letter to NRC, dated June 10, 2010, License Amendment Request 261, Extended Power Uprate, Response to Request for Additional Information (ML101610711)