



March 24, 2010

NRC 2010-0036  
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 Request for Additional Information

- 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 February 4, 2010, Draft – Request for Additional Information Re: EPU (ML100350319)

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 license 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 NRC staff determined that additional information was required to enable the staff's continued review of the request. Enclosure 1 provides the NextEra response to the NRC staff's request for additional information.

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

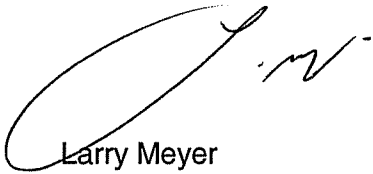
The information contained in this letter does not alter the no significant hazards consideration contained in Reference (1) and continues to satisfy the criteria of 10 CFR 51.22 for categorical exclusion from the requirements of an environmental assessment.

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 March 24, 2010.

Very truly yours,

NextEra Energy Point Beach, LLC

A handwritten signature in black ink, appearing to read 'Larry Meyer', is written over the printed name.

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 REQUEST FOR ADDITIONAL INFORMATION

The NRC staff determined that additional information was required (Reference 1) to enable the Component Performance and Testing Branch to complete the 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.

#### **RAI**

*Section 2.2.4 of Attachment 5, "Licensing Report," does not include a discussion about air-operated valves. Please discuss whether valves maintained in your air-operated valve program were reviewed, and if the EPU does or does not impact the program valves, and why it does or does not.*

#### **NextEra Response**

The Point Beach Nuclear Plant air-operated valve (AOV) program includes the following categorization of AOVs:

- Category 1: AOVs that are safety-related, active and have high safety significance or AOVs that are non-safety related, active and have high safety-significance.
- Category 2: AOVs that are safety-related and active, but do not have high safety significance.
- Category 3: All remaining AOVs. These valves have no specific requirements delineated by the AOV program.

The above AOVs were evaluated for EPU conditions.

As a result of the evaluation, the following Category 1 valves require modifications for EPU conditions:

- Main Steam Isolation Valves (MSIVs)
- Main Feedwater Regulating Valves (MFRVs)
- Main Feedwater Isolation Valves (MFIVs)
- Auxiliary Feedwater (AFW) Valves

These valves are identified in the EPU LAR 261 (Reference 2), Attachment 5, Licensing Report (LR), Section 2.2.4.2, Safety-Related Valves and Pumps.

The MSIVs internals are being modified due to the increased main steam flow to address the potential flow-induced vibration and closure loads at EPU conditions. A regulatory evaluation of the main steam system was submitted in Reference (2) LR Section 2.5.5.1, Main Steam.

The MFRV trim and actuators (including solenoid valves) are being replaced to address feedwater flow, closure times and pressure drops at EPU conditions. A regulatory evaluation of the condensate and feedwater system was submitted in Reference (2) LR Section 2.5.5.4, Condensate and Feedwater.

New MFIVs are being installed to minimize the mass and energy release into the containment following a main steam line break. A regulatory evaluation of the primary containment functional design was submitted in Reference (2) LR Section 2.6.1, Primary Containment Functional Design.

New motor-driven AFW pump flow control valves and minimum recirculation valves are being installed to address the higher AFW minimum flow rates and the new AFW system configuration. A regulatory evaluation of the auxiliary feedwater system was submitted in Reference (2) LR Section 2.5.4.5, Auxiliary Feedwater.

The other AOV program Category 1 and 2 valves were not impacted since the system operating and/or design conditions did not change for EPU. Note as a result of the increased balance of plant flows at EPU conditions, several Category 3 heater drain level control and main feedwater pump recirculation AOVs are being replaced with valves of larger capacity.

### **References**

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