



February 11, 2010

NRC 2010-0024  
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  
Withdrawal of Expedited Review Request

- References:
- (1) FPL Energy Point Beach, LLC letter to NRC, dated April 7, 2009, License Amendment Request 261, Extended Power Uprate (ML091250564)
  - (2) NextEra Energy Point Beach, LLC letter to NRC dated September 11, 2009, License Amendment Request 261, Extended Power Uprate, Expedited Review Request (ML092570205)

NextEra Energy Point Beach, LLC (NextEra) submitted License Amendment Request (LAR) 261 (Reference 1) on April 7, 2009, pursuant to 10 CFR 50.90. The proposed amendment would increase each unit's licensed core power level from 1540 megawatts thermal (MWt) to 1800 MWt reactor core power, and revise the Technical Specifications to support operation at the increased core thermal power level.

NextEra withdraws the expedited review request submitted via Reference 2. Based on our assessment of resources and risk over the last year, NextEra has decided to move implementation of the Unit 1 Extended Power Uprate (EPU) to the fall 2011 refueling outage. The Unit 2 EPU implementation plan remains the same.

Enclosure 1 provides the basis for withdrawing the expedited review request and revised schedule for the PBNP EPU. Enclosure 2 provides implementation plans for Regulatory Commitments, Technical Specifications and methodologies, and modifications consistent with the schedule changes above.

This letter contains no new regulatory commitments and no revisions to existing 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 February 11, 2010.

Very truly yours,

NextEra Energy Point Beach, LLC



Larry Meyer  
Site Vice President

Enclosures

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 WITHDRAWAL OF EXPEDITED REVIEW REQUEST**

#### **EXPEDITED REVIEW REQUEST WITHDRAWAL AND REVISED EPU SCHEDULE**

As noted in Reference (1), the increase in core thermal power was planned to be accomplished following the spring 2010 Unit 1 refueling outage beginning with Cycle 33, and following the spring 2011 Unit 2 refueling outage beginning with Cycle 32.

After initial review of the License Amendment Request (LAR) 261 (Reference 1), and supplemental information (References 2 and 3), the NRC accepted the auxiliary feedwater (AFW) and non-Extended Power Uprate (EPU) reactor protection system/engineered safety features actuation system (RPS/ESFAS) setpoint portions for review (Reference 4). Acceptance of the balance of the EPU LAR, however, was delayed pending issuance of requests for additional information (RAIs) on LAR 241, Alternative Source Term.

Based upon the schedule considerations contained in NRR Office Instruction LIC-112, Power Uprate Process (Reference 5), for review of EPUs, NextEra Energy Point Beach, LLC (NextEra) recognized that the NRC review of the balance of the EPU LAR would move beyond the original spring 2010 refueling outage EPU implementation of Unit 1. As a result, NextEra decided to pursue a mid-fuel cycle EPU implementation on Unit 1.

In order to implement the Unit 1 EPU mid-fuel cycle, certain Technical Specification (TS) changes identified in LAR 261 would require early approval in order to implement the EPU modifications originally planned during the spring 2010 refueling outage on Unit 1. This would allow NextEra to implement the EPU at mid-fuel cycle on Unit 1 once the NRC review of the balance of the EPU was complete. Accordingly, in Reference (6), NextEra requested review and approval of the TS changes required to support installation of the EPU modifications during the Unit 1 2010 spring refueling outage by February 1, 2010.

Based on our assessment of resources and risk over the last year, NextEra has decided to move implementation of the Unit 1 EPU to the fall 2011 refueling outage. The Unit 2 EPU implementation plan remains the same. Thus, by copy of this letter, NextEra withdraws the expedited review request submitted via Reference (6).

During the public meeting between the NRC and NextEra (Reference 7), NextEra discussed the schedule changes for EPU. Based on that discussion, the proposed schedule is provided below.

#### Non-EPU RPS/ESFAS

NextEra will submit marked up TS for the setpoints by February 19, 2010 and requests NRC approval by April 2010. These changes will be implemented on both units within 180 days of NRC approval.

#### AFW

NextEra will submit a letter requesting Commission approval for implementation of proposed AFW license basis changes at current licensed power levels by the end of March 2010. The letter will request Commission approval prior to July 2010. The changes will be implemented for both Point Beach Nuclear Plant units no later than the spring 2011 Unit 2 refueling outage; however, these changes may be completed by the end of 2010.

#### Balance of EPU

NextEra will respond to small break loss of coolant accident RAIs by February 12, 2010, and will support an NRC site audit for high energy line break (date to be determined). The balance of RAIs is expected by March 2010 per LIC-112 (Reference 5). Based on this schedule, NextEra requests NRC approval for the LAR on the balance of EPU by November 2010 (pending finalization of the Advisory Committee on Reactor Safeguards schedule). These changes will be implemented by spring 2011 for Unit 2 and by fall 2011 for Unit 1.

#### References

- (1) FPL Energy Point Beach, LLC, letter to NRC, dated April 7, 2009, License Amendment Request 261, Extended Power Uprate (ML091250564)
- (2) NextEra Energy Point Beach, LLC, letter to NRC dated June 17, 2009, License Amendment Request 261, Supplement 1, Extended Power Uprate (ML091690090)
- (3) NextEra Energy Point Beach, LLC, letter to NRC dated June 17, 2009, License Amendment Request 261, Supplement 2, Extended Power Uprate (ML091690087)
- (4) NRC letter to NextEra Energy Point Beach, LLC, dated June 29, 2009, Deferral of the Extended Power Uprate Acceptance Review and Acceptance Review of the Auxiliary Feedwater Modifications and Non Conservative Setpoint Technical Specifications (TAC Nos. ME1044, ME1045, ME1081, ME1082, ME1083, and ME1084) (ML091760338)
- (5) U.S. Nuclear Regulatory Commission, Power Uprate Process, LIC-112 (ML082210335)
- (6) NextEra Energy Point Beach, LLC, letter to NRC dated September 11, 2009, License Amendment Request 261, Extended Power Uprate, Expedited Review Request (ML092570205)
- (7) NRC letter to NextEra Energy Point Beach, LLC, dated January 13, 2010, Forthcoming Meeting with FPL Energy Point Beach, LLC (ML093561247)

**ENCLOSURE 2**

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

**LICENSE AMENDMENT REQUEST 261  
EXTENDED POWER UPRATE  
WITHDRAWAL OF EXPEDITED REVIEW REQUEST**

**IMPLEMENTATION PLANS**

**TABLE 1**

**REGULATORY COMMITMENT IMPLEMENTATION PLAN  
FOR EXTENDED POWER UPRATE (EPU)**

Regulatory Commitment	Source Document	Implementation	
		Unit 1	Unit 2
Provide AFW suction transfer and condensate storage tank (CST) Technical Specification surveillance values	LAR 261, Attachment 4 (Reference 1)	Complete (Reference 2)	
Submit American Transmission Company (ATC) reports	LAR 261, Attachment 4 (Reference 1)	Complete (References 3 and 4)	
Submit final TS 5.6.4, Core Operating Limits Report (COLR), markups upon approval of LAR 258	LAR 261, Attachment 4 (Reference 1)	Complete (Reference 5)	
Complete main steam and feedwater pipe support modifications	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Modify steam generator moisture separator packages to maintain moisture content below 0.25% and verify as part of startup testing	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Install new generator output breakers and associated protection scheme	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Complete Fall 2009
Complete charging pump variable frequency drive installation for pump 1P-2C	LAR 261, Attachment 4 (Reference 1)	Complete Fall 2009	N/A
Implement loss of voltage time delay relay settings for safety-related 4160 V and 480 V and non-safety related 4160 V buses	LAR 261, Attachment 4 (Reference 1)	Spring 2011	Spring 2011
Install new unitized motor-driven (MD) AFW pumps and add automatic switchover to service water upon loss the CST water source	LAR 261, Attachment 4 (Reference 1)	Spring 2011	Spring 2011
Install new fast acting main feedwater isolation valves and main feedwater piping supports	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Upgrade main steam isolation valve internals	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Remove the pressurizer backup heater actuation on high level deviation signal	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Install a backup compressed gas supply for the pressurizer auxiliary spray valve	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011

Regulatory Commitment	Source Document	Implementation	
		Unit 1	Unit 2
Eliminate the reliance on local manual action to gag the MD and turbine-driven (TD) AFW pump mini-recirculation valves open	LAR 261, Attachment 4 (Reference 1)	Spring 2011	Spring 2011
Install a self-cooled instrument air compressor	LAR 261, Attachment 4 (Reference 1)	Spring 2011	Spring 2011
ATC interim and final upgrades	LAR 261, Attachment 4 (Reference 1)	Per Final Interconnection Agreement By Fall 2011	Per Final Interconnection Agreement By Spring 2011
Implement a formal monitoring program for steam generator steam drum components	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Perform additional detailed environmental qualification (EQ) analyses or replace four Honeywell microswitches in the containment façade and a Nutherm panel in the primary auxiliary building. Update EQ documentation for EQ equipment for EPU conditions	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Implement WCAP-14696-A, Revision 1, Westinghouse Owners Group Core Damage Assessment Guidance	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Revise reload and safety analysis checklist for Unit 2 including a line item to limit the steam generator tube plugging limit to 3% until additional analysis is completed	LAR 261, Attachment 4 (Reference 1)	N/A	Spring 2011
Verify pressurizer pressure reactor trip time delay is less than or equal to 1 second by testing	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Develop an EPU power ascension and testing program	LAR 261, Attachment 4 (Reference 1)	Fall 2011	Spring 2011
Compensatory measures for AFW installation when entering Technical Specification Action Conditions	LAR 261, Supplement 1 (Reference 2)	Spring 2011	Spring 2011
Provide results of AFW piping stress analysis and support evaluation	Reference (6)	Complete (Reference 7)	

TABLE 2

**TECHNICAL SPECIFICATION AND METHODOLOGY  
IMPLEMENTATION PLAN FOR EPU**

Operating License/Technical Specification/Methodology	Source Document	Implementation	
		Unit 1	Unit 2
Non-EPU reactor protection system/engineered safety features actuation system – TS 3.3.1, Function 2.b – TS 3.3.1, Function 3 – TS 3.3.1, Function 4 – TS 3.3.1, Function 8 – TS 3.3.1, Function 9.a – TS 3.3.1, Function 9.b – TS 3.3.1, Function 11 – TS 3.3.1, Function 12 – TS 3.3.1, Function 14 – TS 3.3.2, Function 1.c – TS 3.3.2, Function 1.d – TS 3.3.2, Function 2.c – TS 3.3.2, Function 4.c – TS 3.3.2, Function 5.b – TS 3.3.2, Function 6.d – Setpoint Methodology	LAR 261, Supplement 3 (Reference 8)	180 days from approval	180 days from approval
AFW – TS 3.3.2, Function 6e – TS 3.7.5 – TS 3.7.6	LAR 261, Attachment 2 (Reference 1)  LAR 261, Supplement 1 (Reference 2)	Spring 2011	Spring 2011
Balance of EPU – Operating License 50-266, Page 3 – Operating License 50-301, Page 3 – TS 1.1, Page 1.1-5, Rated Thermal Power – SL 2.1.1.1 – TS 3.2.1, Required Action B.1, B.2 and B.3 – TS 3.2.1, Completion Time B.4 – TS 3.2.3 – TS 3.3.1, Function 1 – TS 3.3.1, Function 2.a – TS 3.3.1, Function 5 – TS 3.3.1, Function 6 – TS 3.3.1, Function 7.a – TS 3.3.1, Function 7.b – TS 3.3.1, Function 10.a	LAR 261 (Reference 1)  LAR 261, Supplement 2 (Reference 9)  LAR 261, Supplement 3 (Reference 8)	Fall 2011	Spring 2011



Operating License/Technical Specification/Methodology	Source Document	Implementation	
		Unit 1	Unit 2
Balance of EPU (continued) – TS 3.3.1, Function 10.b – TS 3.3.1, Function 13 – TS 3.3.1, Function 15.a – TS 3.3.1, Function 15.b – TS 3.3.1, Function 16 – TS 3.3.1, Function 17.a – TS 3.3.1, Function 17.b.1 – TS 3.3.1, Function 17.b.2 – TS 3.3.1, Function 17.c – TS 3.3.1, Function 17.d – TS 3.3.1, Function 17.e – TS 3.3.1, Function 18 – TS 3.3.1, Function 19 – TS 3.3.1, Function 20 – TS 3.3.1, Function 21 – TS 3.3.2, Function 1.a – TS 3.3.2, Function 1.b – TS 3.3.2, Function 1.e – TS 3.3.2, Function 2.a – TS 3.3.2, Function 2.b – TS 3.3.2, Function 3.a – TS 3.3.2, Function 3.b – TS 3.3.2, Function 3.c – TS 3.3.2, Function 4.a – TS 3.3.2, Function 4.b – TS 3.3.2, Function 4.d – TS 3.3.2, Function 4.e – TS 3.3.2, Function 5.a – TS 3.3.2, Function 5.c – TS 3.3.2, Function 6.a – TS 3.3.2, Function 6.b – TS 3.3.2, Function 6.c – TS 3.3.2, Function 7.a-Delete – TS 3.3.2, Function 7.b-Delete – TS 3.3.2, Function 8 – SR 3.3.4.3.a – SR 3.3.4.3.c – LCO 3.4.1.c – SR 3.4.1.3 – LCO 3.4.9.a – SR 3.4.9.1 – LCO 3.4.10 – SR 3.4.10.1	LAR 261 (Reference 1)  LAR 261, Supplement 2 (Reference 9)  LAR 261, Supplement 3 (Reference 8)	Fall 2011	Spring 2011

Operating License/Technical Specification/Methodology	Source Document	Implementation	
		Unit 1	Unit 2
Balance of EPU (continued) – SR 3.5.1.4 – SR 3.5.4.3 – TS 3.7.1 – TS 3.7.3 – TS 3.8.1 – TS 5.6.4 (COLR) – Analytical Methodologies <ul style="list-style-type: none"> <li>o RETRAN</li> <li>o VIPRE</li> <li>o RAVE</li> <li>o LOFTTR2</li> <li>o GOTHIC</li> </ul> – High energy line break outside containment reconstitution Eliminate 3-hour requirement to sample and analyze a post-accident sample	LAR 261 (Reference 1)  LAR 261, Supplement 2 (Reference 9)  LAR 261, Supplement 3 (Reference 8)	Fall 2011	Spring 2011

**TABLE 3****OTHER MODIFICATIONS NOT IDENTIFIED AS COMMITMENTS  
IMPLEMENTATION PLAN FOR EPU**

<b>Regulatory Commitment</b>	<b>Source Document</b>	<b>Implementation</b>	
		<b>Unit 1</b>	<b>Unit 2</b>
NSSS instrument setpoints, settings, and scaling modifications	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Alternate Source Term (AST) Modifications	LAR 261, Attachment 5 (Reference 1)	Spring 2011	Spring 2011
HP turbine upgrade	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Condensate and feedwater pump and motor replacement (including feedwater recirculation line change)	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Feedwater regulating valve trim and operator change	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Feedwater heater replacements	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Heater drain piping and valve modifications (including tank level controls and alarms)	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
BOP instruments, setpoints, settings, scaling	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Main generator modifications (including hydrogen, exciter cooler replacement and exciter upgrade)	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011
Iso-phase bus duct fan and coolers replacement	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Complete
Main step-up transformer replacements	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Complete
Condenser modifications	LAR 261, Attachment 5 (Reference 1)	Fall 2011	Spring 2011

## **References**

- (1) FPL Energy Point Beach, LLC, letter to NRC, dated April 7, 2009, License Amendment Request 261, Extended Power Uprate (ML091250564)
- (2) NextEra Energy Point Beach, LLC, letter to NRC, dated June 17, 2009, License Amendment Request 261, Supplement 1, Extended Power Uprate (ML091690090)
- (3) NextEra Energy Point Beach, LLC, letter to NRC, dated August 24, 2009, Transmittal of Background Information to Support License Amendment Request 261, ATC Interim Operation and Impacts Re-Study (ML092400526)
- (4) NextEra Energy Point Beach, LLC, letter to NRC, dated November 13, 2009, Transmittal of Background Information to Support License Amendment Request 261, Final Interconnection System Impact Study (ML093200067)
- (5) NextEra Energy Point Beach, LLC, letter to NRC, dated December 11, 2009, License Amendment Request 261, Extended Power Uprate, Technical Specification 5.6.4, Core Operating Limits Report (COLR) Mark-up (ML093480513)
- (6) NextEra Energy Point Beach, LLC, letter to NRC, dated November 21, 2009, License Amendment Request 261, Extended Power Uprate, Response to Request for Additional Information (ML093270035)
- (7) NextEra Energy Point Beach, LLC, letter to NRC, dated January 8, 2010, License Amendment Request 261, Extended Power Uprate, Auxiliary Feedwater System Pipe Stress Analysis Information (ML100110037)
- (8) NextEra Energy Point Beach, LLC, letter to NRC, dated December 8, 2009, License Amendment Request 261, Supplement 3, Extended Power Uprate (ML093430114)
- (9) NextEra Energy Point Beach, LLC, letter to NRC, dated June 17, 2009, License Amendment Request 261, Supplement 2, Extended Power Uprate (ML091690087)