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

May 3, 2011

Mr. Larry Meyer
Site Vice President
NextEra Energy Point Beach, LLC
6610 Nuclear Road
Two Rivers, WI 54241-9516

SUBJECT: POINT BEACH NUCLEAR PLANT (PBNP), UNITS 1 AND 2 - ISSUANCE OF LICENSE AMENDMENTS REGARDING EXTENDED POWER UPRATE (TAC NOS. ME1044 AND ME1045)

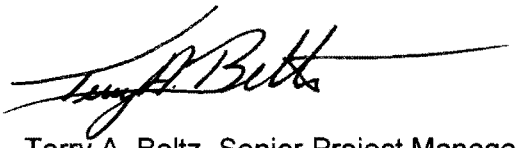
Dear Mr. Meyer:

The Nuclear Regulatory Commission (NRC) has issued the enclosed Amendment Nos. 241 and 245 to Renewed Facility Operating License Nos. DPR-24 and DPR-27, for PBNP, Units 1 and 2. The amendment consists of changes to the Technical Specifications (TSs) in response to your letter dated April 7, 2009, as supplemented by letters dated October 17, 2008; April 8, June 17 (2 letters), August 24, September 11, September 25, October 9, November 13, November 20 (2 letters), November 21 (2 letters), December 8, December 16, December 21, and December 22 of 2009; January 7, January 8, January 13, January 22, January 29, February 11, February 12, February 25, March 3, March 24, March 25, April 15, April 21, April 22, April 26, April 28 (2 letters), April 29, April 30, May 6, May 13, May 14, May 20, June 10 (2 letters), June 11, June 14, June 24, July 8 (2 letters), July 15 (2 letters), July 21, July 23, July 27, July 28, July 29, August 2, August 6, August 9 (2 letters), August 12, August 23, August 24 (2 letters), August 26, September 1, September 8, September 9, September 14, September 21, September 27, September 28 (3 letters), October 1, October 12, October 14, October 15, October 28, November 1, November 4, November 12 (2 letters), November 15, November 30, December 1, December 7, December 10 (2 letters), December 13, December 15, December 21 (2 letters), and December 30 of 2010; January 7 (2 letters), January 11, January 13, January 21, February 22, March 2, and March 4 of 2011.

The proposed amendments would increase the licensed core power level for PBNP Units 1 and 2 from 1540 megawatts thermal (MWt) to 1800 MWt. The increase in core thermal power will be approximately 17 percent over the current licensed thermal power level and is defined as an Extended Power Uprate (EPU). The proposed amendments would change the Renewed Facility Operating Licenses, the TSs and licensing bases to support operation at the increased core thermal power level, including changes to the maximum licensed reactor core thermal power, reactor core safety limits, constant axial offset control operating strategy, reactor protection system and engineered safety feature actuation system limiting safety system settings, and emergency diesel generator start loss of voltage time delays. Additional TS changes include reactor coolant system flow rate, pressurizer operating level, pressurizer safety valve settings, accumulator and refueling water storage tank boron concentrations, main steam safety valve maximum allowable power level and lift settings, new main feedwater isolation valves, and Core Operating Limits Report references. The amendment also includes a review of changes to the high energy line break methodology to verify compliance with the licensing basis and acceptability for EPU conditions.

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,



Terry A. Beltz, Senior Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-266 and 50-301

Enclosures:
1. Amendment No. 241 to DPR-24
2. Amendment No. 245 to DPR-27
3. Safety Evaluation

cc: Listserv

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

NEXTERA ENERGY POINT BEACH, LLC

DOCKET NOS. 50-266

POINT BEACH NUCLEAR PLANT, UNIT 1

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment Nos. 241
Renewed License No. DPR-24

1. The Nuclear Regulatory Commission (the Commission) has found that:

A. The application for amendment by NextEra Energy Point Beach, LLC (the licensee), dated April 7, 2009, as supplemented by letters dated October 17, 2008; April 8, June 17 (2 letters), August 24, September 11, September 25, October 9, November 13, November 20 (2 letters), November 21 (2 letters), December 8, December 16, December 21, and December 22 of 2009; January 7, January 8, January 13, January 22, January 29, February 11, February 12, February 25, March 3, March 24, March 25, April 15, April 21, April 22, April 26, April 28 (2 letters), April 29, April 30, May 6, May 13, May 14, May 20, June 10 (2 letters), June 11, June 14, June 24, July 8 (2 letters), July 15 (2 letters), July 21, July 23, July 27, July 28, July 29, August 2, August 6, August 9 (2 letters), August 12, August 23, August 24 (2 letters), August 26, September 1, September 8, September 9, September 14, September 21, September 27, September 28 (3 letters), October 1, October 12, October 14, October 15, October 28, November 1, November 4, November 12 (2 letters), November 15, November 30, December 1, December 7, December 10 (2 letters), December 13, December 15, December 21 (2 letters), and December 30 of 2010; January 7 (2 letters), January 11, January 13, January 21, February 22, March 2, and March 4 of 2011, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;

B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and

E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 4.A and 4.B of Renewed Facility Operating License No. DPR-24 is hereby amended to read as follows:

A. Maximum Power Levels

NextEra Energy Point Beach is authorized to operate the facility at reactor core power levels not in excess of 1800 megawatts thermal.

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 241, are hereby incorporated in the renewed operating license. NextEra Energy Point Beach shall operate the facility in accordance with Technical Specifications.

3. Accordingly, the license is amended by the following license conditions to be added to Appendix C, Additional Conditions, with wording as follows:

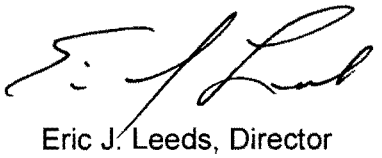
- NextEra Energy Point Beach, LLC shall eliminate the reliance on local manual action to gag the Motor-Driven and Turbine Driven AFW pump mini-recirculation valves open.

- NextEra Energy Point Beach, LLC shall install a self-cooled (i.e., air-cooled) air compressor capable of supplying Instrument Air. The compressor shall be independent of Service Water cooling and normally aligned for automatic operation.

The above license conditions shall be implemented prior to operation of either unit at EPU conditions.

4. The license amendment is effective as of its date of issuance and shall be implemented prior to Unit 1 startup from the Fall 2011 refueling outage.

FOR THE NUCLEAR REGULATORY COMMISSION



Eric J. Leeds, Director
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Renewed Facility
Operating License No. DPR-24,
Appendix C, and Technical Specifications

Date of Issuance: May 3, 2011

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

NEXTERA ENERGY POINT BEACH, LLC

DOCKET NOS. 50-301

POINT BEACH NUCLEAR PLANT, UNIT 2

AMENDMENT TO RENEWED FACILITY OPERATING LICENSE

Amendment Nos. 245
Renewed License No. DPR-27

1. The Nuclear Regulatory Commission (the Commission) has found that:

   A. The application for amendment by NextEra Energy Point Beach, LLC (the licensee), dated April 7, 2009, as supplemented by letters dated October 17, 2008; April 8, June 17 (2 letters), August 24, September 11, September 25, October 9, November 13, November 20 (2 letters), November 21 (2 letters), December 8, December 16, December 21, and December 22 of 2009; January 7, January 8, January 13, January 22, January 29, February 11, February 12, February 25, March 3, March 24, March 25, April 15, April 21, April 22, April 26, April 28 (2 letters), April 29, April 30, May 6, May 13, May 14, May 20, June 10 (2 letters), June 11, June 14, June 24, July 8 (2 letters), July 15 (2 letters), July 21, July 23, July 27, July 28, July 29, August 2, August 6, August 9 (2 letters), August 12, August 23, August 24 (2 letters), August 26, September 1, September 8, September 9, September 14, September 21, September 27, September 28 (3 letters), October 1, October 12, October 14, October 15, October 28, November 1, November 4, November 12 (2 letters), November 15, November 30, December 1, December 7, December 10 (2 letters), December 13, December 15, December 21 (2 letters), and December 30 of 2010; January 7 (2 letters), January 11, January 13, January 21, February 22, March 2, and March 4 of 2011, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;

   B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;

   C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;

   D. The issuance of this license amendment will not be inimical to the common defense and security or to the health and safety of the public; and

E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and Paragraph 4.A. and 4.B of Renewed Facility Operating License No. DPR-27 is hereby amended to read as follows:

A. Maximum Power Levels

NextEra Energy Point Beach is authorized to operate the facility at reactor core power levels not in excess of 1800 megawatts thermal.

B. Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 245, are hereby incorporated in the renewed operating license. NextEra Energy Point Beach shall operate the facility in accordance with Technical Specifications.

3. Accordingly, the license is amended by the following license conditions to be added to Appendix C, Additional Conditions, with wording as follows:

- NextEra Energy Point Beach, LLC shall eliminate the reliance on local manual action to gag the Motor-Driven and Turbine Driven AFW pump mini-recirculation valves open.

- NextEra Energy Point Beach, LLC shall install a self-cooled (i.e., air-cooled) air compressor capable of supplying Instrument Air. The compressor shall be independent of Service Water cooling and normally aligned for automatic operation.

The above license conditions shall be implemented prior to operation of either unit at EPU conditions.

4. The license amendment is effective as of its date of issuance and shall be implemented prior to Unit 2 startup from the Spring 2011 refueling outage.

FOR THE NUCLEAR REGULATORY COMMISSION

Eric J. Leeds, Director
Office of Nuclear Reactor Regulation

Attachment:
Changes to the Renewed Facility
Operating License No. DPR-27,
Appendix C, and Technical Specifications

Date of Issuance: May 3, 2011

ATTACHMENT TO LICENSE AMENDMENT NO. 241

TO RENEWED FACILITY OPERATING LICENSE NO. DPR-24

AND LICENSE AMENDMENT NO. 245

TO RENEWED FACILITY OPERATING LICENSE NO. DPR-27

DOCKET NOS. 50-266 AND 50-301

Replace the following pages of the Renewed Facility Operating License Nos. DPR-24 and DPR-27, Appendix C, and Technical Specifications with the attached revised pages. The revised pages are identified by amendment number and contain marginal lines indicating the areas of change.

Operating License

REMOVE	INSERT
Unit 1 License Pages 3 and 6	Unit 1 License Pages 3 and 6
Unit 2 License Pages 3 and 6	Unit 2 License Pages 3 and 6

Appendix C

REMOVE	INSERT
Unit 1 Page C-4	Unit 1 Page C-4
Unit 2 Page C-4	Unit 2 Page C-4

Technical Specifications

REMOVE	INSERT	REMOVE	INSERT
1.1-5	1.1-5	3.4.16-2	3.4.16-2
2.0-1	2.0-1	3.5.1-2	3.5.1-2
3.2.1-2	3.2.1-2	3.5.4-2	3.5.4-2
3.2.1-3	3.2.1-3	3.7.1-3	3.7.1-3
3.2.3-1	3.2.3-1	3.7.1-4	3.7.1-4
---	3.2.3-2	3.7.3-1	3.7.3-1
---	3.2.3-3	3.7.3-2	3.7.3-2
3.4.1-1	3.4.1-1	5.6-4	5.6-4
3.4.1-2	3.4.1-2	5.6-5	5.6-5
3.4.9-1	3.4.9-1	5.6-6	5.6-6
3.4.9-2	3.4.9-2	5.6-7	5.6-7
3.4.10-1	3.4.10-1		
3.4.10-2	3.4.10-2		

A copy of our related Safety Evaluation is also enclosed. The Notice of Issuance will be included in the Commission's biweekly *Federal Register* notice.

Sincerely,

/RA/

Terry A. Beltz, Senior Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-266 and 50-301

Enclosures:
1. Amendment No. 241 to DPR-24
2. Amendment No. 245 to DPR-27
3. Safety Evaluation

cc: Listserv

DISTRIBUTION:

PUBLIC	RidsNrrDciCpnb Resource	RidsNrrDeEmcb Resource
LPL3-1 RF	RidsNrrDciCsgb Resource	RidsNrrDeEicb Resource
RidsNrrLABTully Resource	RidsNrrDeEeeb Resource	RidsNrrDeEqvb Resource
RidsNrrPMPointBeach Resource	RidsRgn3MailCenter Resource	RidsNrrDraAfpb Resource
RidsNrrDorlLpl3-1 Resource	RidsNrrDraAadb Resource	RidsNrrDlrRerb Resource
RidsNrrDirsItsb Resource	RidsOgcRp Resource	RidsNrrDraApla Resource
RidsNrrDirsIhpb Resource	RidsNrrOd Resource	RidsNrrDciCvib Resource
RidsNrrDorlDpr Resource	RidsAcrsAcnw_MailCTR Resource	
RidsNrrDorl Resource	RidsNrr DssSbpb Resource	RidsNrr DssScvb Resource
RidsNrr DssSrxb Resource	RidsNrr DssSnpb Resource	RidsNrr DirsIhpb Resource

Package Accession No: ML111170513
Cover Letter and Amendment: ML110880039
Renewed Facility Operating License and Additional License Conditions: ML110880682
Technical Specification Pages: ML110890415
Safety Evaluation Report: ML110450159

* via memo ** via e-mail *** NLO w/comments

OFFICE	NRR/LPL3-1/PM	NRR/LPL3-1/LA	DCI/CSGB/BC*	DCI/CSGB/BC*	DCI/CVIB/BC*	DCI/CPNB/BC*
NAME	TBeltz	BTully	RTaylor	RTaylor	MMitchell	TLupold
DATE	03/30/11	03/29/11	05/14/10	03/15/11	08/04/10	07/02/10
OFFICE	DRA/APLA/BC*	DRA/AADB/BC	DRA/AFPB/BC*	DE/EEEB/BC*	DE/EEEB/BC*	DE/EICB/BC
NAME	DHarrison	TTate *	AKlein	RMathew	RMathew	WKemper *
DATE	10/01/10	01/07/11	07/26/10	12/02/10	01/12/11	10/14/10
OFFICE	DE/EMCB/BC*	DE/EMCB/BC*	DE/EQVB/BC*	DSS/SBPB/BC*	DSS/SCVB/BC*	DSS/SRXB/BC*
NAME	MKhanna	MKhanna	MMurphy	GCasto	RDennig	AUlses
DATE	01/03/11	01/14/11	10/22/10	11/03/10	11/01/10	02/08/11
OFFICE	DSS/SNPB/BC**	DIRS/IHPB/BC*	DIRS/IHPB/BC*	DIRS/ITSB/BC	OGC ***	
NAME	AMendiola	UShoop	UShoop	RElliott	BHarris	
DATE	01/19/11	06/16/10	11/24/10	04/06/11	04/14/11	
OFFICE	NRR/LPL3-1/BC	NRR/DORL/D	NRR/D			
NAME	RPascarelli	JGiitter *(AHowe for)r*	ELeeds			
DATE	04/26/11	04/27/11	05/02/11			

OFFICIAL RECORD COPY