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

April 1, 2010

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

SUBJECT: POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2 - REQUEST FOR ADDITIONAL INFORMATION FROM QUALITY AND VENDOR BRANCH RE: EXTENDED POWER UPRATE (TAC NOS. ME1044 AND ME1045)

Dear Mr. Meyer:

By letter to the U.S. Nuclear Regulatory Commission (NRC) dated April 7, 2009, as supplemented by letters dated September 11 and October 9, 2009 (Agencywide Documents Access and Management System Accession Nos. ML091250564, ML092570205, and ML092860098), FPL Energy Point Beach, LLC, submitted a request to 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 this increased core thermal power level.

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 March 22, 2010, it was agreed that you would provide the additional information within 30 days of 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. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-2048.

Sincerely,

Justin C. Poole, Project Manager
Plant Licensing Branch III-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-266 and 50-301

Enclosure:
Request for Additional Information

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REQUEST FOR ADDITIONAL INFORMATION

POINT BEACH NUCLEAR POWER PLANT, UNITS 1 AND 2 (PBNP)

DOCKET NOS. 50-266 AND 50-301

EQVB 2.12-1: Section 1.0 of Attachment 5 states that the PBNP evaluations have been formatted and documented in accordance with the template and criteria provided in RS-001. However, the section titled "Scope and Associated Technical Review Guidance, Matrix 12," is not included in Appendix C of Attachment 5. Revise Appendix C of Attachment 5, as applicable, to include this reference.

EQVB 2.12-2: Section 2.12.1.2 of Attachment 5 states that the licensee has benefited from industry operating experience gained from discussions with other recently uprated PWRs (e.g., Ginna and Kewanee) and the Institute of Nuclear Power Operations. However, in Section 2.12.1.2.6, "Justification for Exception to Transient Testing," of Attachment 5, a discussion of such industry or PBNP plant-specific operating experience is not provided. Such information may be considered by the Nuclear Regulatory Commission (NRC) staff to support the basis for the licensee's request not to perform certain transient tests (e.g., Tests 14, 33 and 35) as part of the proposed extended power uprate (EPU) power ascension and testing plan (PATP). The licensee's primary basis for not performing such transient testing as part of the proposed EPU License Amendment Request (LAR) appears to rely solely on an analytical justification using LOFTRAN. Revise Attachment 5, as applicable, to include a discussion of such industry and plant-specific operating experience relative to the NRC staff's review criteria discussed in Section III.C.2 of Standard Review Plan 14.2.1.

EQVB 2.12-3: Section 2.12.1.1, of Attachment 5, states that detailed information regarding performance of the original PATP was provided to the Atomic Energy Commission in the 1971-1973 timeframe. However, information is not provided in the LAR regarding the details and outcomes of such testing, specifically the scope of transient testing. Also, final safety analysis report Section 13.4, "Initial Testing in the Operating Reactor," and Table 2.12-2 of Attachment 5, do not provide sufficient information regarding such testing. Revise Section 2.12.1.1, as applicable, to include a discussion regarding performance of such original PATP tests, with emphasis on the performance of transient Tests 14, 33 and 35. Such information is necessary for the NRC staff to consider in support of the licensee's justification for not performing certain startup tests, including transient tests, as part of the licensee's proposed EPU PATP.

Enclosure

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/RA/

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