



August 9, 2013

NRC 2013-0071
10 CFR 54

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

Request for Approval of Risk-Informed/Safety Based
Inservice Inspection Alternative for Class 1 And 2 Piping
In Accordance With 10 CFR 50.55a(a)(3)(i)
Response to Request for Additional Information

- References:
- (1) NextEra Energy Point Beach, LLC letter to NRC, dated March 19, 2013, Request for Approval of Risk-Informed/Safety Based Inservice Inspection Alternative for Class 1 and 2 Piping in Accordance with 10 CFR 50.55a(a)(3)(i) (ML13079A092)
 - (2) NRC electronic mail to NextEra Energy Point Beach, LLC, dated July 1, 2012, Point Beach Units 1 and 2 – Draft RAI re: Risk Evaluation for Fifth 10-Year ISI Program Plan (TAC Nos. MF1150 and MF1151)

NextEra Energy Point Beach, LLC (NextEra) requested in Reference (1) that the Nuclear Regulatory Commission (NRC) grant relief from the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (B&PV Code), Section XI, 2007 Edition with Addenda through 2008 from the requirements of IWB-2200 IWB-2420, IWB-2430, and IWB-2500, which provide the examination requirements for Category B-F and Category B-J welds. Similarly, relief is requested from the requirements IWC-2200, IWC-2420, IWC-2430, and IWC-2500, which provide the examination requirements for Category C-F-1 and C-F-2 welds.

Specifically, NextEra proposed to use a risk-informed/safety-based inservice inspection (RIS_B) process as an alternate to the current ISI program for Class 1 and 2 piping. The RIS_B process used in this submittal is based upon ASME Code Case N-716, Alternative Piping Classification and Examination Requirements, Section XI, Division 1.

Via Reference (2), the NRC determined additional information was required to enable the staff's continued review of the Request for Approval of Risk-Informed/Safety Based Inservice Inspection Alternative for Class 1 And 2 Piping. The Enclosure to this letter contains the response to the request for additional information in Reference (2).

This letter contains no new commitments and no changes to existing commitments.

Very truly yours,

NextEra Energy Point Beach, LLC



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
Mr. Mike Verhagan, Department of Commerce, State of Wisconsin

ENCLOSURE 1

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

REQUEST FOR APPROVAL OF RISK-INFORMED/SAFETY BASED INSERVICE INSPECTION ALTERNATIVE FOR CLASS 1 AND 2 PIPING IN ACCORDANCE WITH 10 CFR 50.55a(a)(3)(i) RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

The NRC staff determined that additional information was required (Reference 1) to enable the continued review of the request for approval of risk-informed/safety based inservice inspection alternative for class 1 and 2 piping in accordance with 10 CFR 50.55a(a)(3)(i) (Reference 2). The following information is provided by NextEra Energy Point Beach, LLC (NextEra) in response to the NRC staff's request.

RAI

The U.S. Nuclear Regulatory Commission (NRC) staff in the Probabilistic Risk Assessment Licensing Branch of the Office of Nuclear Reactor Regulation has reviewed the risk evaluation submitted on March 19, 2013, by NextEra Energy Point Beach, LLC, in support of its request for approval of fifth ten-year interval inservice inspection program plan (Agencywide Documents Access and Management System No. ML13079A092).

The NRC staff has identified areas where additional information is needed to complete its review, as provided below.

- 1. Please explain any inconsistencies between results of the risk impact analysis presented in Table 3.4 and the Table on page 16 of the submittal.*

For example: On page 16, the change in core damage frequency for Unit 1 associated with Chemical Volume & Control with POD Credit is -1.12×10^{-10} , where the same change in Table 3.4a is -1.25×10^{-10} .

Response

The values in the tables on page 16 are generated using the Estimated values in the table shown on page 15. The values in Table 3.4 are generated using the Upper Bound values in the table shown on page 15.

References

- (1) NRC electronic mail to NextEra Energy Point Beach, LLC, dated July 1, 2012, Point Beach Units 1 and 2 – Draft RAI re: Risk Evaluation for Fifth 10-Year ISI Program Plan (TAC Nos. MF1150 and MF1151)
- (2) NextEra Energy Point Beach, LLC letter to NRC, dated March 19, 2013, Request for Approval of Risk-Informed/Safety Based Inservice Inspection Alternative for Class 1 and 2 Piping in Accordance with 10 CFR 50.55a(a)(3)(i) (ML13079A092)