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U S Nuclear Regulatory Commission
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Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Units 1 and 2
Dockets 50-282 and 50-306
Renewed License Nos. DPR-42 and DPR-60

Supplement to Prairie Island Nuclear Generating Plant (PINGP) Aging Management Program Submittals (TAC Nos. MF0052 and MF0053)

By letter dated October 1, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12276A041), Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), submitted an Aging Management Program (AMP) for the Reactor Vessel Internals (RVI) at PINGP, Units 1 and 2. Letters dated March 7, 2013 (ML13067A284) and March 22, 2013 (ML13084A378) provided additional AMP information. By letter dated September 18, 2013 (ML13253A122), the NRC provided requests for additional information (RAIs) 2-1 through 2-4. NSPM supplied responses to RAIs 2-2 through 2-4 in a letter dated October 8, 2013 (ML13284A081) and responses to RAI 2-1 in a letter dated October 20, 2014 (ML14293A582). By email dated November 24, 2014, the NRC provided a follow-on question to the NSPM response to RAI 2-1 part b. The Enclosure to this letter provides the response to the NRC follow-on question to the response to RAI 2-1 part b.

If there are any questions or if additional information is needed, please contact Mr. Dale Vincent, P.E., at 651-267-1736.

Summary of Commitments

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

Kevin Davison
Site Vice President, Prairie Island Nuclear Generating Plant
Northern States Power Company - Minnesota

Enclosures (1)

cc: Administrator, Region III, USNRC
Project Manager, PINGP, USNRC
Resident Inspector, PINGP, USNRC

Enclosure

Supplement to Prairie Island Nuclear Generating Plant (PINGP) Aging Management Program Submittals (TAC Nos. MF0052 and MF0053)

By letter dated September 18, 2013 (ML13253A122), the NRC requested additional information on the PINGP Reactor Vessel Internals (RVI) Aging Management Program described in submittals dated October 1, 2012 (ML12276A041), March 7, 2013 (ML13067A284), and March 22, 2013 (ML13084A378). Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM") supplied responses to RAIs 2-2 through 2-4 in a letter dated October 8, 2013 (ML13284A081) and responses to RAI 2-1 in a letter dated October 20, 2014 (ML14293A582). By email dated November 24, 2014, the NRC provided a follow-on question to the NSPM response to RAI 2-1 part b. NSPM provides the following response to the NRC follow-on question to the response to RAI 2-1 part b.

NRC follow-on question to the NSPM response to RAI 2-1:

In a letter dated September 18, 2013, the staff, in a request for additional information (RAI) - RAI-2-1, requested that the licensee provide information related to verification of applicability of MRP-227-A, "Pressurized Water Reactor Internals Inspection and Evaluation Guidelines," to Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2. Verification of Applicability of MRP-227-A to PINGP, units is a part of the resolution of Action Item 1 of the staff's SE for the MRP-227-A report. In its response to RAI-2-1, the licensee, in a letter dated October 20, 2014, submitted information with respect to fuel management and core design (RAI-2-1 part b) at PINGP units. As a part of a follow-up to RAI-2-1 part b, the staff requests that the licensee provide the following information:

RAI-2-1 part b-1: For heat generation figure of merit assessment, the licensee submitted the acceptance criterion value for figure of merit as addressed in MRP 2013-025, Attachment 1. The staff requests that an actual plant-specific heat generation figure of merit value for each PINGP, Unit, should be submitted for review.

NSPM response to follow-on question on RAI 2-1 part b.:

NSPM has reviewed the power distributions from recent Westinghouse Startup and Operations Reports for PINGP Units 1 and 2. With the application of the weighting factors from MRP 2013-025, the highest heat generation figure of merit calculated was 58 Watts/cm^3 for Unit 1 and 61 Watts/cm^3 for Unit 2.

The figure of merit heat generation rate is a location, unit, and cycle dependent value, but given the reload methodology used for PINGP, these values are expected to be representative of future cycles.