

November 18, 2016

Mr. Tim Hanley
Senior Vice President West Operations, Exelon
Chairman, BWR Vessel and Internals Project
3420 Hillview Avenue
Palo Alto, CA 94304-1395

SUBJECT: DRAFT SAFETY EVALUATION FOR THE LICENSE RENEWAL APPENDIX A FOR
“BWRVIP-241-A: BWR VESSEL AND INTERNALS PROJECT, PROBABALISTIC
FRACTURE MECANICS EVALUATION FOR THE BOILING WATER REACTOR
NOZZLE-TO-VESSEL SHELL WELDS AND NOZZLE BLEND RADII,” AND
“BWRVIP-108NP-A: BWR VESSEL AND INTERNALS PROJECT, TECHNICAL
BASIS FOR THE REDUCTION OF INSPECTION REQUIREMENTS FOR THE
BOILING WATER REACTOR NOZZLE-TO-VESSEL SHELL WELDS AND NOZZLE
BLEND” (TAC NO. MF4638)

Dear Mr. Hanley:

By letter dated October 10, 2012 (Agencywide Documents Access Management System (ADAMS) Accession No. ML12290A017), the Electric Power Research Institute (EPRI) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review a supplemental document for license renewal, Appendix A, “BWR Nozzle Radii and Nozzle-to-Vessel Welds Demonstration of Compliance with the Technical Information Requirements of the License Renewal Rule (10 CFR [*Code of Federal Regulations*] 54.21).” EPRI stated that the license renewal Appendix A is applicable to BWRVIP-241-A, “BWR Vessel and Internals Project, Probabilistic Fracture Mechanics Evaluation for the Boiling Water Reactor Nozzle-to-Vessel Shell Welds and Nozzle Blend Radii,” and BWRVIP-108NP-A, “BWR Vessel and Internals Project, Technical Basis for the Reduction Of Inspection Requirements for the Boiling Water Reactor Nozzle-To-Vessel Shell Welds and Nozzle Blend.” The purpose of Appendix A is to provide applicants for license renewal a means by which to reference these topical reports (i.e., BWRVIP-214 and BWRVIP-108) in a plant-specific integrated plant assessment and time-limited aging analysis evaluation in a license renewal application. The original submittal was supplemented by a letter from the BWRVIP dated July 19, 2016 (ADAMS Accession No. ML16210A194) in response to requests from NRC staff for additional information.

Based on its review of the submitted information, the NRC staff finds Appendix A acceptable for referencing subject to the limitations specified in the appendix, and in the NRC safety evaluation (SE). Enclosed for EPRI review and comment is the NRC staff’s draft SE for the TR.

NOTICE: Enclosure transmitted herewith contains SUNSI. When separated from Enclosure, this transmittal document is decontrolled.

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T. Hanley

-2-

Pursuant to 10 CFR 2.390, we have determined that the enclosed draft SE may contain proprietary information. If you believe that any information in the enclosure is proprietary, please identify such information line-by-line, and define the basis pursuant to the criteria of 10 CFR 2.390. After 10 working days, the draft SE will be made publicly available, as appropriate, and an additional 10 working days are provided for you to comment on any factual errors or clarity concerns contained in the draft SE.

The final SE will be issued after making any necessary changes, and will be made publicly available. The NRC staff's disposition of your comments on the draft SE will be discussed in the final SE.

To facilitate the NRC staff's review of your comments, please provide a marked-up copy of the draft SE showing proposed changes, and provide a summary table of the proposed changes.

If you have any questions, please contact the Project Manager for the review, Joseph J. Holonich at 301-415-7297 or via e-mail at Joseph.Holonich@nrc.gov.

Sincerely,

/RA/

Kevin Hsueh, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 704

Enclosure:
Draft SE

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Sincerely,

/RA/

Kevin Hsueh, Chief
Licensing Processes Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

Project No. 704

Enclosure:
Draft SE

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ADAMS Accession Nos.: ML16281A121 (Letter/Public); ML16281A107 (Draft SE/Non-Public); ML16281A106 (Package); *concurrent via e-mail

NRR-106

OFFICE	DPR/PLPB/PM	DPR/PLPB/LA*	DLR/RARB/BC	DPR/PLPB/BC
NAME	JHolonich	DHarrison	DMorey	KHsueh
DATE	10/7/2016	11/7/2016	11/15/2016	11/18/2016

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