

July 12, 2017

MEMORANDUM TO: Dennis Morey, Chief  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

FROM: Brian Benney, Senior Project Manager */RA/*  
Licensing Processes Branch  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MAY 22, 2017, CLOSED MEETING WITH THE  
PRESSURIZED WATER REACTOR OWNERS GROUP TO  
DISCUSS INFORMATION RELATED TO PWROG-15109,  
“PWR REACTOR PRESSURE VESSEL NOZZLE APPENDIX G  
EVALUATION”

On May 22, 2017, a closed meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and the Pressurized Water Reactor Owners Group (PWROG). The purpose of this meeting was for the PWROG to discuss information related to PWROG-15109, “PWR Reactor Pressure Vessel Nozzle Appendix G Evaluation.” The PWROG proposes in its methodology that the pressure-temperature (P-T) limits based on the reactor pressure vessel nozzle will be bounded by the P-T limits based on the reactor pressure vessel beltline. The methodology differs from the Appendix G methodology in several places: the fracture toughness based on the Master Curve method, the definition of loading, and the selection of flaw size and shape.

The NRC staff provided the following comments: (1) Justification should be provided for selection of flaw size and shape, (2) the bounding nature of the nozzle fracture toughness based on the Master Curve methodology should be clearly demonstrated, (3) the methodology should be consistent with the Appendix G methodology, and (4) exemptions may be required for individual plants requesting to apply this report if the NRC staff determined that certain aspects of the methodology deviate from the Appendix G methodology.

A list of attendees is available in the Agencywide Documents Access and Management System (ADAMS) as Accession No. ML17144A274. Additional supporting materials may be found in ADAMS as Accession No. ML17151A366.

Project No. 694

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**ADAMS Accession Nos.: Pkg.: ML17144A258; Summary: ML17151A397; Attendees List: ML17144A274; Slides: ML17151A366 NRC-001**

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