

BWRVIP-315, Reactor Internals Aging Management Evaluation for Extended Operations

Lois M. James, Sr Project Manager
Michael Benson, Materials Engineer

December 2, 2022

Welcome!

Please send your name and affiliation
to Lois.James@nrc.gov to we can
have a complete list of attendees

Agenda

- Purpose/Process
- Background
- Condition No. 1
- Condition No. 2
- Applicant Action Item No. 1
- Applicant Action Item No. 2
- Applicant Action Item No. 3
- Applicant Action Item No. 4
- Open to Public Comment
- Adjourn

Background

Date	Document/Action	ADAMS #
10/22/2019	Transmittal of "BWRVIP-315: BWR Vessel and Internals Project, Reactor Internals Aging Management Evaluation for Extended Operations."	ML19297G277
2/24/2020	Issuance of Acceptance Review And Proprietary Determination	ML19296A008 ML19253A060
9/1/2021	Issuance of BWRVIP-315 Draft Safety Evaluation (SE) with an open item	ML21105A038
9/28/2021	Closed meeting on BWRVIP-315 Draft SE	ML21256A060
1/20/2022	EPRI Response to BWRVIP-315 Draft SE	ML22025A113
12/2/2022	Public Meeting to discuss the limitations and conditions in the revised BWRVIP-315 Draft SE	ML22326A331

Condition No. 1

Applicants for renewed operating licenses extending beyond 60 years applying Code Case N-889 to calculate IASCC crack growth rate must comply with the conditions in the latest edition of Regulatory Guide 1.147 incorporated by reference in 10 CFR 50.55a.

Condition No. 2

Applicants for renewed operating licenses extending beyond 60 years must justify applicability for non-RAMA-based, plant-specific fluence evaluations. Alternatively, the BWRVIP may address the generic qualification to evaluate RVI component fluence for each fluence methodology in use at operating BWRs.

Applicant Action Item No. 1

Applicants for renewed operating licenses extending beyond 60 years must demonstrate that their application of BWRVIP RVI guidelines adequately manages aging degradation in accordance with 10 CFR 54.21(a)(3), which may include accounting for up-to-date operating experience, industry guidance, and NRC guidance available at the time of the application.

Applicant Action Item No. 2

Applicants for renewed operating licenses extending beyond 60 years must describe whether the core plate holddown bolt analysis per BWRVIP-25, Appendix I is a TLAA. If so, the applicant must include the analysis as a TLAA in the licensing application.

Applicant Action Item No. 3

Applicants for renewed operating licenses extending beyond 60 years must describe and justify plant-specific re-inspection plans for the lower plenum in the application.

Applicant Action Item No. 4

Applicants for renewed operating licenses extending beyond 60 years must describe how they meet Limitation 3 in Section 4.5.1 of BWRVIP-315 in the application.

Public Comments or Questions to the NRC Staff

Thank you.

Please send your name and affiliation
to Lois.James@nrc.gov to we can
have a complete list of attendees