

From: [Holonich, Joseph](#)
To: [Rouse, Deborah](#); [McGruder, Wynter](#)
Cc: [Morey, Dennis](#); [Widrevitz, Dan](#); [Dijamco, David](#)
Subject: BWRVIP-329 Final Safety Evaluation
Date: Monday, April 12, 2021 3:02:53 PM

Mr. Tim Hanley, Chairman
ATTN: Debbie Rouse
BWR Vessel and Internals Project
1300 West W.T. Harris Boulevard (Building 1)
Charlotte, NC 28262

Dear Mr. Hanley,

By letter dated August 22, 2019 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML19238A075), the Electric Power Research Institute (EPRI) submitted for U.S. Nuclear Regulatory Commission (NRC) staff review the BWRVIP-329, "Updated Probabilistic Fracture Mechanics Analyses for BWR [Boiling Water Reactor] RPV [Reactor Pressure Vessel] Welds to Address Extended Operations." Based on its review of the information submitted in the TR, the NRC staff finds the TR acceptable for referencing subject to the limitations specified in the TR, and in the NRC safety evaluation (SE).

EPRI provided comments on the draft SE by letter dated March 25, 2021. The comments identified proprietary information and made editorial changes.

The NRC staff has found the TR acceptable for referencing in licensing applications for nuclear power plants to the extent specified and under the limitations delineated in the TR and in the enclosed SE. The final SE defines the basis for our acceptance of the TR. A copy of the final SE, which contains proprietary information, was provided to Ms. Wynter McGruder via the NRC box.com folder.

Our acceptance applies only to material provided in the subject TR. We do not intend to repeat our review of the accepted material described in the TR. When the TR appears as a reference in license applications, our review will ensure that the material presented applies to the specific plant involved. License amendment requests that deviate from this TR will be subject to a plant-specific review in accordance with applicable review standards.

In accordance with the guidance provided on the NRC website, we request that EPRI publish accepted versions of the proprietary and nonproprietary TR within six months of the date of the date of this email. The accepted versions shall incorporate this email and the enclosed SE after the title page.

For the nonproprietary version, EPRI shall redact the proprietary information in the final SE and strike the header and footer to create the nonproprietary version of the SE.

Both this email and the SE have been placed in ADAMS and made Official Agency Records. The SE is declared as nonpublic because it contains proprietary information. This email is declared public.

Also, the accepted versions must contain historical review information, including NRC requests for additional information (RAIs) and responses. The accepted versions shall

include a “-A” (designating approved) following the TR identification symbol.

As an alternative to including the RAIs and RAI responses behind the title page, if changes to the TRs provided to the NRC staff to support the resolution of RAI responses, and the NRC staff reviewed and approved those changes as described in the RAI responses, there are two ways that the accepted version can capture the RAIs:

1. The RAIs and RAI responses can be included as an Appendix to the accepted version.
2. The RAIs and RAI responses can be captured in the form of a table (inserted after the final SE) which summarizes the changes as shown in the accepted version of the TR. The table should reference the specific RAIs and RAI responses which resulted in any changes, as shown in the accepted version of the TR.

If future changes to the NRC’s regulatory requirements affect the acceptability of this TR, EPRI will be expected to revise the TR appropriately. Licensees referencing this TR would be expected to justify its continued applicability or evaluate their plant using the revised TR.

If you have any questions, please contact the Project Manager for the review, Joseph J. Holonich at jjh1@nrc.gov.

Dennis Morey, Chief
Licensing Processes Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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