



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

May 4, 2022

Nick Camilli
Electric Power Research Institute
1300 West WT Harris Blvd
Charlotte, NC 28262

SUBJECT: FINAL SAFETY EVALUATION FOR EPRI TECHNICAL REPORT 3002019621,
"SUSCEPTIBILITY OF VALVE APPLICATIONS TO FAILURE OF THE STEM-TO-
DISK CONNECTION" (EPID: L-2021-NTR-0003)

Dear Mr. Camilli:

By letter dated April 28, 2021, the Electric Power Research Institute (EPRI) submitted Technical Report (TR) 3002019621, Revision 0, "Susceptibility of Valve Applications to Failure of the Stem-to-Disk Connection," to the U.S. Nuclear Regulatory Commission (NRC) staff for review and approval (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21126A208). By email dated November 29, 2021, the NRC staff issued its draft safety evaluation (SE) (ADAMS Accession No. ML21273A071).

EPRI provided comments on the draft SE by letter dated December 23, 2021 (ADAMS Accession No. ML22012A096). On January 21, 2022, the NRC staff held a public meeting with EPRI to discuss its comments on the draft SE. This final SE reflects the NRC staff's consideration of the comments provided during this public meeting.

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.

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 an accepted version of the TR, within three months of receipt of the date of this email. The accepted version shall incorporate this email and the enclosed SE after the title page. 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.

This email and the final SE have both been placed in ADAMS, made Official Agency Records, and declared public.

If you have any questions, please contact the Project Manager for the review, Lois M. James at lois.james@nrc.gov.

Sincerely,

/RA/

Richard Chang, Chief
Licensing Processes Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No.: 99902021

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ADAMS Accession Nos.:

Package: ML22042A000

Cover Letter: ML22042A004

Final SE: ML22042A001

****concurrence via e-Concurrence**

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