



NDE 20250612-001

June 12, 2025

U.S. Nuclear Regulatory Commission

Document Control Desk
11555 Rockville Pike
1 White Flint N; Mail Stop: 0-12-D2
Rockville, MD 20852

EPRI Docket No. 99902021

Subject: ELECTRIC POWER RESEARCH INSTITUTE – SUBMITTAL OF RESPONSES TO THE US NRC’s REQUEST FOR ADDITIONAL INFORMATION (MAY 2025) ON EPRI TECHNICAL REPORT 3002028939, “RISK-INFORMED HIGH-ENERGY LINE BREAK EVALUATION REQUIREMENTS”.

By letter dated July 23, 2024 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML24205A146), the Electric Power Research Institute (EPRI) submitted EPRI Technical Report (TR) 3002028939, “Risk-Informed High-Energy Line Break Evaluation Requirements,” dated June 2024, to the U.S. Nuclear Regulatory Commission (NRC) for review and approval. EPRI TR 3002028939 provides an alternative risk-informed methodology for assessing and confirming that plant structures, systems, and components that are important to safety are adequate to accommodate the effects of postulated accidents, including appropriate protection against the dynamic and environmental effects of postulated pipe ruptures.

By letter dated September 10, 2024 (ADAMS Accession No. ML24214A027), the NRC staff accepted EPRI TR 3002028939 for review. During the regulatory audit review process and discussions with EPRI staff, a set of requests for additional Information (RAIs) were shared in draft form with EPRI on May 8, 2025, and the final RAIs were shared with EPRI via e-mail on May 19, 2025 (ML25129A090).

Please find attached EPRI’s formal responses to the RAIs received on May 19, 2025. In addition, please note that the RAI responses also discuss modifications to be made in the report based on discussions with NRC staff during the audit.

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We recognize the time and effort made by the NRC staff in the review of EPRI TR 3002028939 and appreciate the opportunity to provide responses to the RAIs received on May 19, 2025. We are at your disposal to provide any clarifications to the RAI responses, or any other clarifications needed with respect to the review of this report

Sincerely,

A handwritten signature in black ink, appearing to read "Michael Ruszkowski". The signature is fluid and cursive, with the first name "Michael" and last name "Ruszkowski" clearly distinguishable.

Michael Ruszkowski
Director, Plant Support
Nuclear Sector, EPRI

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c: Lois James, NRC
Rick Fougrousse, EPRI
Ashley Lindeman, EPRI
Fernando Ferrante, EPRI