



MRP Materials Reliability Program _____ MRP 2026-001
(via email)

Date: January 29, 2026

To: U.S. Nuclear Regulatory Commission
Document Control Desk
11555 Rockville Pike
1 White Flint N; Mail Stop: 0-12-D2
Rockville, MD 20852

Docket No. 99902021

Subject: Transmit Electric Power Research Institute Report *Materials Reliability Program: Probabilistic Fracture Mechanics Evaluation of PWR Cast Austenitic Stainless Steel Piping Components (MRP-479)*, 3002023893 to NRC for Information

References:

- [1] Request for NRC Review of EPRI's Alternative Licensing Strategy (ALS), Described herein, which addresses PWR LOCA-Induced Fuel Fragmentation, Relocation, and Dispersal, ML24121A203 (pkg).
- [2] *Materials Reliability Program: xLPR Estimation of PWR Loss-of-Coolant Accident Frequencies (MRP-480)*. EPRI, Palo Alto, CA: 2024. 3002023895.

In response to NRC's request that EPRI provide for information only a copy of a technical report to support NRC review of EPRI's Alternative Licensing Strategy (Reference 1) and MRP-480 (Reference 2), we are forwarding one (1) copy of the following report:

Materials Reliability Program: Probabilistic Fracture Mechanics Evaluation of PWR Cast Austenitic Stainless Steel Piping Components (MRP-479). EPRI, Palo Alto, CA: 2024. 3002023893.

If you have any questions on this subject, please contact Nate Glunt (EPRI), by telephone at 704-578-8919 or by e-mail at nglunt@epri.com.

Sincerely,

Robert O. McGill, Program Manager
Materials Reliability Program

cc: Lois James, NRC
James Delosreyes, NRC
Nate Glunt, EPRI
Fred Smith, EPRI
Kurshad Muftuoglu, EPRI

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