



**MRP** Materials Reliability Program \_\_\_\_\_ MRP 2022-013  
(via email)

Date: May 9, 2022

To: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-001

Subject: Report Transmittal: *Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines (MRP-227, Revision 2)*. EPRI, Palo Alto, CA: 2021. 3002020105. Ref.: EPRI Docket No. 99902021

Attention: Ms. Lois James (lois.james@nrc.gov)

Enclosed is the EPRI report “Materials Reliability Program: Pressurized Water Reactor Internals Inspection and Evaluation Guidelines (MRP-227, Revision 2).” This report is being transmitted as a means of exchanging information with the NRC for the purpose of supporting generic regulatory improvements related to the methodologies for verifying pressurized water reactor (PWR) internals integrity throughout the life of the plant, including the extended operating period authorized by license renewal in accordance with 10CFR Part 54.

EPRI is requesting that the NRC issue a safety evaluation report (SER) on MRP-227, Revision 2. The review requested herein is for the incremental changes made to MRP-227, Revision 1-A, some of which were requested by NRC staff. The industry does not request a re-review of the entire document. The incremental changes are detailed in Appendix F of the MRP-227, Revision 2 document.

If you have any questions about this project, please contact Mr. Bob McGill at EPRI (rmcgill@epri.com, 650-855-8568) or Mr. Kyle Amberge (kamberge@epri.com, 704-595-2039).

Sincerely,

Brad Adams, Chairman, PMMP EC  
Southern Nuclear

Robert O. McGill, MRP Program Manager  
Electric Power Research Institute

cc: Lois James (lois.james@nrc.gov)

Together . . . Shaping the Future of Energy™

**PALO ALTO OFFICE**

3420 Hillview Avenue, Palo Alto, CA 94304-1338 USA • 650.855.2000 • Customer Service 800.313.3774 • www.epri.com