



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

May 10, 2017

Mr. Neil Wilmshurst
Vice President of Nuclear
Electric Power Research Institute
1300 West W. T. Harris Blvd,
Charlotte, NC 28262-8550

Dear Mr. Wilmshurst:

Please find enclosed a signed Addendum to add to our September 30, 2016, Memorandum of Understanding between the U.S. Nuclear Regulatory Commission's Office of Nuclear Regulatory Research (NRC/RES) and the Electric Power Research Institute (EPRI) on Cooperative Nuclear Safety Research (NRC Agencywide Documents Access and Management System Accession No. ML16223A495).

The new Addendum, "xLPR Version 2 Code Documentation and Leak-Before-Break Applications," provides for continued cooperation to complete documentation associated with development of the xLPR Version 2 computer code (the Code) and provides for additional cooperative research to use the Code to analyze for leak-before-break in nuclear power plant piping systems. The Addendum continues cooperative research initiated between NRC/RES and EPRI under the Addendum, "Extremely Low Probability of Rupture," which expired on December 31, 2016.

The enclosed Addendum was developed through collaboration between the staff of NRC/RES and Mr. Craig Harrington of your staff. Our two organizations have worked well together over many years on development of the Code, and I believe the cooperation has been mutually beneficial. We look forward to many more successful years of partnership regarding development and use of the Code.

If you have any questions, please feel free to contact Mr. Matthew Homiack of my staff at 301-415-2427.

Sincerely,

/RA/

Michael F. Weber
Director of Nuclear Regulatory Research

Enclosure:
As stated

SUBJECT: NRC-EPRI MOU Addendum Transmittal Letter

ADAMS Accession Package No.: ML17040A131

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| OFFICE | RES/DE/CIB | BC:RES/DE/CIB | OGC | D:RES/DE | RES Mail | D:RES |
| NAME | M. Homiack | R. Iyengar | NCrimm (NLO via email) | B. Thomas | K. Johnson | M. Weber |
| DATE | 2/9/2017 | 2/9/2017 | 3/15/2017 | 5/9/2017 | 5/10/2017 | 5/10/2017 |

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