



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

August 24, 2018

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

SUBJECT: COOPERATIVE NUCLEAR SAFETY RESEARCH MEMORANDUM OF  
UNDERSTANDING ADDENDUM FOR XLPR VERSION 2 CODE  
MAINTENANCE, SUPPORT, AND DISTRIBUTION

Dear Mr. Wilmshurst:

Please find enclosed a signed Addendum to add to the 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, "Maintenance, Support, and Distribution of the xLPR Version 2 Code," provides for continued cooperation concerning the xLPR Version 2 computer code (the Code). Development of the Code was initiated under the Addendum, "Extremely Low Probability of Rupture," dated February 4, 2013. In that Addendum, NRC/RES and EPRI agreed to determine the most appropriate process for maintaining, supporting, and distributing the Code after development was complete. The enclosed Addendum fulfills that agreement by establishing a legally-binding framework for Code maintenance, support, and domestic distribution. A mutual goal is to extend this process or establish a new process for international distribution; however, achieving this goal will require further efforts.

Also enclosed is a signed Cross-License Agreement. This agreement implements certain provisions of the Addendum pertaining to use of the Code's software and supporting documentation.

The Addendum and Cross-License Agreement were both developed through close 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 and applications of the Code. We look forward to many more successful years of partnership in maintaining it.

N. Wilmshurst

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

Sincerely,

*/RA/*

Raymond V. Furstenau  
Director of Nuclear Regulatory Research

Enclosure:  
As stated

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**DISTRIBUTION:**

- M. Homiack
- R. Iyengar
- B. Thomas
- K. Johnson
- R. Furstenau
- R. Kalikian
- N. Difrancesco

**ADAMS Package Accession No: ML18169A206**

OFFICE	RES/DE/CIB	RES/DE/CIB	RES/DE	OGC
NAME	M. Homiack	R. Iyengar	B. Thomas	R. Baum (NLO)
DATE	6/18/18	6/18/18	6/21/18	7/31/18
OFFICE	RES/DE/CIB	RES/DE	RES Mail Room	RES OD
NAME	R. Iyengar	B. Thomas	K. Johnson	R. Furstenau
DATE	8/2/2018	8/9/18	8/14/18	8/24/18

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