

PUBLIC MEETING ANNOUNCEMENT

Title: Meeting with the Electric Power Research Institute to Discuss Use of the Extremely Low Probability of Rupture Code for Loss-of-Coolant Accident Frequency Estimates

Date(s) and Time(s): June 14, 2022, 1:00 PM to 4:30 PM EDT

Location: NRC Headquarters
Two White Flint North, 6th Floor, Room D02
11545 Rockville Pike
Rockville, MD 20852-2738

Category: This is an Observation Meeting. This is a meeting in which attendees will have an opportunity to observe the NRC performing its regulatory function or discussing regulatory issues. Attendees will have an opportunity to ask questions of the NRC staff or make comments about the issues discussed following the business portion of the meeting; however, the NRC is not actively soliciting comments towards regulatory decisions at this meeting.

Purpose: Discuss technical aspects concerning use of the Extremely Low Probability of Rupture (xLPR) probabilistic fracture mechanics code to inform loss-of-coolant accident frequency estimates and related regulatory applications. Specific topics for discussion are provided in the agenda to this announcement.

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Participants: NRC External
Staff from the Office of Nuclear Regulatory Research (RES) Electric Power Research Institute (EPRI)

Staff from the Office of Nuclear Reactor Regulation (NRR)

Teleconference: Bridge Number Conference ID
(301) 576-2978 794077574#

Webinar: URL
https://teams.microsoft.com/l/meetup-join/19%3ameeting_NDk1YTBiOTktZWl5Ny00ZDI4LTg5ZGEM2FhODJiYjIhNzlk%40thread.v2/0?context=%7b%22id%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22oid%22%3a%22c3848dd3-68fd-49ac-96d9-16ca2c58a609%22%7d

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Time	Topic	Presenter
1:00 PM – 1:15 PM	Introduction Opening Remarks	NRC staff NRC staff / EPRI
1:15 PM – 1:25 PM	Overview of NUREG-1829, “Estimating Loss-of-Coolant Accident (LOCA) Frequencies Through the Elicitation Process”	NRC staff
1:25 PM – 1:40 PM	Predicting Pipe Rupture Frequencies Using xLPR	NRC staff
1:40 PM – 1:55 PM	Example xLPR LOCA Frequency Estimates Compared to NUREG-1829 Expert Elicitation Results	NRC staff
1:55 PM – 2:10 PM	Overview and Key Outcomes from Scoping Study on Use of the xLPR Code for Developing LOCA Frequency Estimates	EPRI
2:10 PM – 2:30 PM	Use of LOCA Frequency Estimates in Fuels Licensing Applications	EPRI
2:30 PM – 2:35 PM	Public Question and Answer	Public
2:35 PM – 2:50 PM	Break	All
2:50 PM – 3:40 PM	Plans for Full-Scope Study Using the xLPR Code to Develop LOCA Frequency Estimates	EPRI
3:40 PM – 4:10 PM	Treatment of Non-xLPR-Modeled Degradation Mechanisms and Failure Modes	EPRI
4:10 PM – 4:20 PM	Analysis Schedule and Engagement Opportunities	NRC staff
4:20 PM – 4:30 PM	Public Question and Answer	Public
4:30 PM	Adjourn	All