

July 2, 2024

PUBLIC MEETING ANNOUNCEMENT

Title: Public Workshop on Development of Risk Metrics to Support Implementation of Risk-Informed Programs for Advanced Reactors

Dates and Time: July 18, 2024, 08:30 AM to 05:00 PM EDT

Location: NRC One White Flint North, Room OWFN-06B02
11555 Rockville Pike
Rockville, MD

Category: This is an Information Public Meeting. In this meeting the NRC staff will discuss the plans for work related to risk metrics for advanced reactors. The use of risk metrics has been employed to support risk-informed decision-making in a variety of regulatory programs and applications. However, commonly used risk metrics, for example, core damage frequency, may not be applicable for some non-light-water reactor (NLWR) designs. The NRC staff is seeking to gather stakeholder input to inform a strategy for developing risk metrics that can be used to support risk-informed decision-making programs for advanced reactors. The NRC staff is also seeking stakeholder input on the use of operating experience data along with development of methods and tools to support reliability estimates that will form the bases for risk assessment results.

Purpose: The purpose of this meeting is to gather stakeholder feedback on 1) development of risk metrics for NLWRs and their uses in regulatory applications; 2) advanced reactor operating experience data, methods, and tools to support risk estimation; and 3) interim staff guidance on the review of applicant-proposed risk metrics for commercial nuclear plants licensed under proposed Title 10 of the *Code of Federal Regulations* (10 CFR) Part 53.

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Participants:	<u>NRC</u> Candace de Messieres, Office of Nuclear Reactor Regulation John Lane, Office of Nuclear Regulatory Research	<u>External</u> Patrick White, Nuclear Innovation Alliance Eric Thornsby, Electric Power Research Institute Ed Lyman, Union of Concerned Scientists Adam Stein, The Breakthrough Institute Dave Grabaskas, Argonne National Lab. Jessica Maddocks, X-Energy Cyril Draffin, U.S. Nuclear Industry Council
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Teleconference: Telephone number: +1 301-576-2978

Conference ID and passcode: 730083758#

Webinar:

URL:

https://teams.microsoft.com/l/meetup-join/19%3ameeting_NzExM2ZmZGI0ODIxNS00ZmU2LWEwOWItODJiNTBhNDIjNTA5%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%22a8240ac8-b79d-4018-93e3-f72672f47586%22%7d

Meeting ID: 293 126 636 680

Passcode: G9pnvh

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The following tentative agenda is proposed for the public meeting.

<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
8:30 am – 8:45 am	Opening Remarks	NRC
8:45 am – 9:00 am	NRC Presentation on Purpose of the Public Workshop	NRC
9:00 am – 9:45 am	NIA Perspectives on Comprehensive Risk Metrics	Nuclear Innovation Alliance (NIA)
9:45 am – 10:30 am	EPRI's Risk Metric Work	Electric Power Research Institute (EPRI)
10:30 am – 10:45 am	<i>Break</i>	
10:45 am – 11:15 am	UCS Views on Advanced Reactor Risk Metrics	Union of Concerned Scientists (UCS)
11:15 am – 11:45 am	Breakthrough Institute Perspectives on Risk Metrics	The Breakthrough Institute
11:45 am – 1:00 pm	<i>Lunch Break</i>	
1:00 pm – 1:30 pm	NLWR Data Insights and Experience	Argonne National Laboratory
1:30 pm – 2:00 pm	Hazard Level Selection for LMP	X-Energy
2:00 pm – 2:20 pm	USNIC Perspectives on Risk	U.S. Nuclear Industry Council (USNIC)
2:20 pm – 2:30 pm	<i>Break</i>	
2:30 pm – 3:00 pm	Review of Applicant-Proposed Risk Metrics for Commercial Nuclear Plants Licensed Under Proposed 10 CFR Part 53	NRC
3:00 pm – 3:30 pm	NRC Preliminary Thoughts on Risk Metrics for NLWRs	NRC
3:30 pm – 4:00 pm	NRC Plans for Work on Operating Experience, Methods, and Tools to Support Advanced Reactor Risk	NRC
4:00 pm – 5:00 pm	Public Comment Period	
5:00 pm	Adjourn	