PUBLIC MEETING ANNOUNCEMENT

Title: NRC/Industry Advanced Reactor Materials Technical Exchange Hybrid Meeting

Date(s) and Time(s): June 15, 2026, 08:30 AM to 05:00 PM ET

Location: NRC Headquarters
11555 Rockville Pike
Rockville, MD

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: This meeting will be a hybrid meeting and use Microsoft Teams. The purpose of this technical exchange is to facilitate an exchange of technical information about advanced reactor deployment, design codes, materials management, and the licensing processes.

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Webinar:	URL	Meeting Number	Password
	https://teams.microsoft.com/meet/21445804848497?p=uWInCd9YTbNrBd3XSV	214 458 048 484 97	vf2MS2N5

Comments: If attending in person, please send Cat Ridder (Cathleen.ridder@nrc.gov) the following information: US CITIZENS - Full Name, Organization, phone number, Citizenship. NON-US CITIZENS – Copy of Passport, Organization, Organization's phone number and address. NOTE 1: NON-US CITIZENS need to submit information to the staff AT LEAST THREE WEEKS IN ADVANCE OF THE MEETING. NOTE 2: Anyone can attend online via the Microsoft Teams information in the NRC Public Meeting Notice.

If you need a reasonable accommodation due to a disability to participate in this meeting or need meeting materials in another format (e.g. braille, large print), please email Reasonable_Accommodations.Resource@nrc.gov. Determinations on requests for reasonable accommodation will be made on a case-by-case basis and the agency may choose between which effective accommodations to provide. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

If you have difficulty understanding and/or communicating in English, free language assistance or other aids and services may be available, upon request. Please email lepresources@nrc.gov. Determinations on requests will be made on a case-by-case basis. At least ten (10) days advance notice is recommended in order for a request to be processed and implemented if approved. However, every effort will be made to address any reasonable accommodations requests received with less notice.

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"	**AGENDA**
Time	Topic
June 15, 2026 **Registration Form:** https://forms.office.com/g/tDt7WdAYWkZ **Please provide answers to topics for discussion via links by June 1:** Deployment Overview Form: https://forms.office.com/g/XDqLdY2USG Design Code and the Code Process Form: https://forms.office.com/g/ZqKYQ6hC7NE Materials Management Programs Form: https://forms.office.com/g/84JPnReLxN Licensing Process Form: https://forms.office.com/g/qmY5cDWq3d	
8:30	Opening Remarks and Deployment overview Session Overview ~ 10 min Session objective: Open discussion on the structural materials aspects of deploying advanced reactors Topics for discussion ● Which aspect of deployment do you/your organization identify as requiring the most work/resources to satisfactorily complete? Examples include selection of construction codes, materials qualification, licensing process, materials management programs, or construction/component fabrication ● Which aspects are identified as having issues requiring immediate resolution? What are the challenges with the stage identified? ● What approaches are being taken to adequately address or resolve these issues? ● Are the major issues typically being addressed in collaborative environments (industry groups, codes and standards, etc)? Opportunities for more? Which aspect of deployment do you/your organization identify as requiring the most work/resources to satisfactorily complete? ● Which aspects are identified as having issues requiring immediate resolution? What are the challenges with the stage identified? ● What approaches are being taken to adequately address or resolve these issues? ● Are the major issues typically being addressed in collaborative environments (industry groups, codes and standards, etc)? Opportunities for more?
9:30	Break
9:50	Design Codes and the Code Process Session Overview ~ 10 min Session objective: Open discussion on the design codes and accelerating the code process Topics for discussion *Industrial Codes* ● If your organization intends to use industrial or non-nuclear codes, what are the primary factors influencing that decision?" (Select all that apply) ○ Cost or schedule efficiency ○ Supply chain ○ Quality assurance ○ Greater flexibility in material options ○ Preferred design options ○ Familiarity and operating experience with commercial codes ○ Limited applicability or availability of nuclear-specific code provisions ○ Other (please specify): _____ ○ What are the biggest hurdles your organization has identified in using industrial or non-nuclear codes and standards for nuclear applications? ○ Are regulatory mechanisms needed to enable the use of industrial codes? For example, a Regulatory Guide on the use of industrial codes? *Nuclear Codes* ● "Would endorsement of HBB-Y benefit your organization? If so, how? ● Class B ○ Do you intend to utilize ASME Class B rules for your design? Safety related, non-safety/NSRST, both? ○ What are the perceived benefits to using ASME Class B instead of Class A? ○ Is anyone considering the newly proposed B+ rules? ○ If not using Class B, why? ▪ What are the perceived limitations to using Class B? ▪ What are some improvements to Class B that would make it more useful? *Accelerating the Code Process* ● What are the biggest challenges or opportunities to accelerate the Code Process? ● What code development processes has your organization utilized to support your design? Has this been successful in your opinion? ● Has your organization considered staged qualification? Why/why not? What are the biggest hurdles for this implementation? ● Are you aware of the steps NRC has taken to enhance its participation in codes and standards activities? Do you view the NRC as an obstacle within the code process and, if so, what recommendations do you have?
11:30	Lunch
12:30	Materials Management Programs Session objective: Open discussion on materials management and operational programs throughout the life of the facility. Session Overview ~ 10 min Topics for discussion ● Is your organization using XI-2 or an alternate approach to developing materials management programs (or both)? What led to that choice? ● Do NRC regulations and guidance provide necessary flexibility and clarity for materials management programs? ● Stages of RIM program (include opportunities and challenges) - Scope ○ How are you determining scope? ○ Safety significant SSCs vs asset management ○ Stages of RIM program (include opportunities and challenges) -Degradation mechanism assessment. ▪ How has your organization approached development of screening criteria during design (negligible creep, SRC, graphite fatigue, etc)? ▪ How are you bridging mechanism susceptibility to component integrity? (tying DMA to a MANDE program) ▪ Stages of RIM program (include opportunities and challenges) - Allocation of RTs and demonstrating they are met ▪ Is the RT approach for passive SSCs achievable? ▪ Is this working for industry, or are folks just trying to come up with something that "meets Code"? ▪ Stages of RIM program (include opportunities and challenges) - Expert panel development ▪ What are the biggest challenges of developing new RIM strategies? What has been successful? ▪ Approach for determining feasibility ▪ Challenges with determining inspection access/frequency and design for inspectability ▪ Has your organization identified new MANDE technology needs? ▪ MANDE development (sensors, probes, surveillance coupons, etc) ▪ Performance demonstration and maintain throughout lifetime, especially for novel MANDE approaches ▪ Are you planning on defense in depth approaches? For example, stacking MANDE strategies
3:00	Break
3:20	Licensing Process Session Overview ~ 10 min Session objective: Discussion on 1) licensing lessons learned, 2) content of applications and 3) treatment of structures, systems, and components (SSCs) using the Licensing Modernization Project (LMP) methodology. Topics for discussion *Licensing lessons learned* ● What are the lessons learned from NRC licensing engagements? What has gone well or hasn't gone well? ● Where does your organization think the biggest gap in level of information necessary to support licensing falls? *Content of application* ● Are the purposes and benefits of different application stages (pre-application, construction permit, operating license, combined license) clear to your organization? Where could improvements in understanding the licensing stages, extent of information required, and purpose of NRC engagement be made? ● How does your organization address balance of data availability and RIM/materials management programs? More focus on data procurement/modeling or plan to supplement known and unknown unknowns with inspection and monitoring program approaches and allowances? *Treatment of SSCs using LMP* ● What is your organization's approach to accurately representing passive SSCs in PRA models? Challenges? Effective path forward? ● Industry can select construction codes for SSCs based on based on safety significance, design function, environment, etc. How has your organization approached code selection? Does LMP make this process more straightforward or more challenging? ● How does your organization approach the development of special treatments? Has this been a challenging part of implementation of LMP?

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Link to meeting details: https://www.nrc.gov/pmns/mtg?do=details&Code=20260211