

**IE RULEMAKING AGENDA**

**Open Subcommittee Meeting**

**December 17 (8:30 AM – 5:00 PM) & December 18, 2024 (8:30 AM – 4:30 PM)**

**RULE-MAKING:**

**Increased Enrichment of Conventional and Accident Tolerant Fuel Designs for Light-Water Reactors**

**Members of the public may join the meeting by using the MS Teams link below or the bridgeline number.**

**All times are Eastern.**

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**-- U.S. Nuclear Regulatory Commission --**

**CONTACT INFO: Cognizant Senior Staff Engineers/DFOs: Zena Abdullahi: (301) 415-8716; (Virtual) [Zena.Abdullahi@NRC.gov](mailto:Zena.Abdullahi@NRC.gov) and Weidong Wang: (301) 415-6279; (In-Person)**

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
REGULATORY RULEMAKING, POLICIES AND PRACTICES SUBCOMMITTEE**

<b>December 17<sup>th</sup>, 2024</b>		
<b>Topic</b>	<b>Time/ Duration</b>	<b>Presenter</b>
<b>All OPEN SESSION</b>		
<b>I. ACRS Chairman Introductory Remarks</b>	<b>8:30 AM – 9:00 AM</b>	<b>Ronald Ballinger</b>
<b>II. NRR Staff Leadership Opening Remarks</b>	<b>9:00 AM – 9:15 AM</b>	<b>Theresa Clark</b>
<b>III. IE Overview, Status of Rulemaking Activities</b>	<b>9:15 AM – 9:30 AM</b>	<b>Philip Benavides NRC Staff</b>
<b>IV. Criticality Accident Requirements (10 CFR 50.68)</b>	<b>9:30 AM – 9:45 AM</b>	<b>Charley Peabody NRC Staff</b>
<b>V. Fissile Packaging Requirements (10 CFR 71.55)</b>	<b>9:45 AM – 10:15 AM</b>	<b>Jason Piotter NRC Staff</b>
<b>BREAK 10:15 AM – 10:25 AM</b>		
<b>VI. Fuel Fragmentation, Relocation, and Dispersal (FFRD)</b> <ul style="list-style-type: none"> <li>• Overview and selection of path forward, including discussion of public comments</li> <li>• Technical basis of original 10 CFR 50.46a transition break size</li> </ul>	<b>10:25 AM – 12:00 PM</b>	<b>Joseph Messina Robert Tregoning NRC Staff</b>
<b>LUNCH 12:00 PM – 1:00 PM</b>		
<b>VII. FFRD</b> <ul style="list-style-type: none"> <li>• Work done as a part of IE Rulemaking to confirm transition break size technical basis</li> </ul>	<b>1:00 PM – 2:30 PM</b>	<b>David Rudland NRC Staff</b>
<b>BREAK 2:30 PM – 2:40 PM</b>		
<b>VIII. FFRD</b> <ul style="list-style-type: none"> <li>• Draft proposed 10 CFR 50.46a rule language</li> <li>• DG-1426 (RG 1.225) “An Approach for Risk-Informed Evaluation Process Supporting Alternative Acceptance Criteria for Emergency Core Cooling Systems for Light Water Reactors”</li> </ul>	<b>2:40 PM – 5:00 PM</b>	<b>Joseph Messina Kristy Bucholtz NRC Staff</b>
<b>END 5:00 PM</b>		

**ADVISORY COMMITTEE ON REACTOR SAFEGUARDS  
REGULATORY RULEMAKING, POLICIES AND PRACTICES SUBCOMMITTEE**

December 18 <sup>th</sup> , 2024		
Topic	Time/ Duration	Presenter
<b>All OPEN SESSION</b>		
I. ACRS Chairman Introductory Remarks	8:30 AM – 9:00 AM	Ronald Ballinger
II. NRR Staff Leadership Opening Remarks	9:00 AM – 9:15 AM	Theresa Clark
III. Fuel Fragmentation, Relocation, and Dispersal (FFRD) <ul style="list-style-type: none"> <li>• DG-1261 (RG 1.222) “Conducting Periodic Testing for Breakaway Oxidation Behavior”</li> <li>• DG-1262 (RG 1.223) “Testing for Post-Quench Ductility”</li> <li>• DG-1263 (RG 1.224) “Establishing Analytical Limits for Zirconium-Based Alloy Cladding”</li> </ul>	9:15 AM – 10:15 AM	James Corson NRC Staff
<b>BREAK</b> <span style="float: right;">10:15 AM – 10:25 AM</span>		
IV. FFRD <ul style="list-style-type: none"> <li>• DG-1434, “Addressing the Consequences of Fuel Dispersal in Light-Water Reactor Loss-of-Coolant Accidents”</li> </ul>	10:25 AM – 132:00 PM	James Corson NRC Staff
<b>LUNCH</b> <span style="float: right;">12:00 PM – 1:00 PM</span>		
V. Control Room Design (10 CFR 50.67 and General Design Criteria 19)	1:00 PM – 3:00 PM	Elijah Dickson NRC Staff
<b>BREAK</b> <span style="float: right;">3:00 PM – 3:15 PM</span>		
VI. ACRS Member Discussion	3:15 PM – 4:00 PM	
VII. Public Comment	4:00 PM – 4:30 PM	
<b>END</b> <span style="float: right;">4:30 PM</span>		

**ACRS NOTES:**

*Federal Register* Notice 84 FR 27662. (<https://www.govinfo.gov/content/pkg/FR-2019-06-13/pdf/2019-12425.pdf>) dated June 13, 2019, describes procedures to be followed with respect to meetings conducted by the U.S. Nuclear Regulatory Commission’s (NRC’s) Advisory Committee on Reactor Safeguards (ACRS) pursuant to the Federal Advisory Committee Act (FACA) and NRC implementing regulations found at Title 10 of the *Code of Federal Regulations* Part 7, “Advisory Committees.” Members of the public who desire to provide written or oral input for ACRS Full Committee and Subcommittee meetings may do so and should contact the designated federal official (DFO) five days prior to the meeting, as practicable. In addition, there will be time allotted at each meeting for the public to provide oral comment. The DFO will be listed in the FRN for Full Committee meetings and the agendas for Subcommittee meetings.

1. Participants on the public line will be muted except when the Subcommittee Chairman opens the meeting to public comment.
2. When appropriate, members of the public and representatives of the nuclear industry may provide their views during the briefings at the designated or announced times, depending on the progress of the meeting.
3. Presentation time should not exceed 50 percent of the total time allocated for a given item. The remaining 50 percent of the time is reserved for discussion.
4. One (1) electronic copy of the presentation materials should be provided to the ACRS staff in advance of the meeting.