

# Advisory Committee on Reactor Safeguards

EPRI's Fuels Program: Information/Update

## Fuels, Materials, and Structures Subcommittee

May 18, 2023

\*This will be a Hybrid meeting with both in-person and remote capability. See below.

Microsoft Teams meeting. All times are EST.

If you would like the MSTEams link (below) forwarded to you, please contact the Designated Federal Officer as follows: [Christopher.Brown@nrc.gov](mailto:Christopher.Brown@nrc.gov)

Item	Topic	Presenter(s)	Time
1	Opening Remarks and Objectives	Prof. Ballinger, ACRS	8:30 – 8:35 a.m.
2	EPRI Opening Remarks	Dan Wells, EPRI	8:35 – 8:40 a.m.
3	KOH for PWR RCS pH Control: Radiological Impacts	David Perkins, EPRI	8:40 – 9:05 a.m.
4	EPRI Fuel Reliability Program Overview	Aylin Kucuk, EPRI	9:05 – 9:40 a.m.
5	xLPR Methodology – Probabilistic Fracture Mechanics for PWR Piping	Nathan Glunt, EPRI Marcus Burkardt, Dominion Engineering	9:40 – 10:25 a.m.
	Break		10:25 – 10:40 a.m.
6	EPRI Alternative Licencing Strategy – New Approach to Address FFRD	Fred Smith, EPRI	10:40 – 11:15 a.m.
7	Fuel Fragmentation Threshold	Suresh Yagnik, EPRI	11:15 – 11:35 a.m.
8	Atomistic Modeling of Cladding Coating Behavior	Erich Wimmer, MDI	11:35 – 12:00 p.m.
	Lunch		12:00 – 1:30 p.m.
9	Collaborative Research on Advanced Fuel Technologies (CRAFT)	Kurshad Muftuoglu, EPRI	1:30 – 1:45 p.m.
10	EPRI Used Fuel High Level Waste Program Overview	Bob Hall, EPRI	1:45 – 2:00 p.m.

11	SFP Criticality for ATF/HE/HBU: Depletion Uncertainty and Criticality Code Validation	Hatice Akkurt and Bob Hall, EPRI	2:00 – 2:35 p.m.
12	Decay Heat: EPRI-SKB Collaboration for Extending Validation Range	Hatice Akkurt, EPRI	2:35 – 3:00 p.m.
13	Scoping Analysis for Decay Heat and Radiation Dose for ATF/HE/HBU	Bob Hall, EPRI	3:00 – 3:30 p.m.
14	Extended Storage Collaboration Program (ESCP)	Hatice Akkurt, EPRI	3:30 – 3:45 p.m.
	Break		3:45 – 4:00 p.m.
15	Open Discussion	All	4:00 – 4:30 p.m.
16	Committee Discussions	Prof. Ballinger	4:30 – 4:40 p.m.
17	Adjourn	All	4:40 p.m.

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