

AGENDA
ADVISORY COMMITTEE ON REACTOR SAFEGUARDS
FUTURE PLANT DESIGNS SUBCOMMITTEE

Advanced Reactor Code Development Status

Fuel Performance Analysis for Non-Light Water Reactors

ROCKVILLE, MARYLAND
September 17, 2019

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Topic		Presenter(s)	Time
1.	Opening Remarks	Mr. Dennis Bley, ACRS	8:30 AM - 8:35 AM
2.	Overview of NRC's Non-Light Water Reactor Vision and Strategy, Fuel Performance Analysis for Non-LWRs <ul style="list-style-type: none">• <i>Introduction & Overview</i>• <i>Considerations for Code Development Activities</i>	Kim Webber, RES	8:35 AM – 8:50 AM
3.	Volume 2 – Fuel Performance Analysis for Non-LWRs <ul style="list-style-type: none">• <i>Generic Fuel Review Methodology & Code Considerations</i>• <i>Current Understanding of Non-LWR Fuel Concepts (TRISO, Metallic, UO₂/Mixed Oxide, UC & UN)</i><ul style="list-style-type: none">○ <i>Phenomena Relevant to Safety</i>○ <i>Available Data & Data Gaps</i>○ <i>FAST Capabilities & Required Modifications</i>○ <i>Summary & PCMM Characterization</i>• <i>Interface of Fuel Performance to Design Basis Accidents & Severe Accidents</i>	James Corson, RES Lucas Kyriazidis, RES	8:50 AM – 10:30 AM
	Break		10:30 AM – 10:45 AM
4.	Summary and Next Steps	NRC Staff	10:45 AM – 11:00 AM
5.	Discussion	All	11:00 AM – 11:30 AM
	Adjourn		11:30 AM

Notes:

- During the meeting, 301-415-7360 should be used to contact anyone in the ACRS Office.
- “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 – listed above) 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.

- 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.
- Thirty-five (35) hard copies of each presentation or handout should be provided to the Designated Federal Official 30 minutes before the meeting.
- One (1) electronic copy of each presentation should be emailed to the Designated Federal Official 1 day before the meeting. If an electronic copy cannot be provided within this timeframe, presenters should provide the Designated Federal Official with a CD containing each presentation at least 30 minutes before the meeting.