

July 31, 2023

Title: Higher Burnup Workshop IV

Date(s) and Time(s): August 31, 2023, 12:30 PM to 04:00 PM ET

Location: Hybrid, HQ-OWFN-6B02-Tech

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: The purpose of this workshop is to discuss licensing and technical aspects of higher burnup (75 gigawatt days per metric ton U-235 or equivalent) and increased enrichment (above 5% U-235) fuel.

Contact:	Daniel King	Carla Roque-Cruz
	301-415-1233	301-415-1455
	daniel.king@nrc.gov	carla.roque-cruz@nrc.gov

Participants:	<u>NRC</u>	<u>External</u>
	Office of Nuclear Reactor Regulation	Nuclear Energy Institute (NEI)
	Office of Nuclear Regulatory Research	Department of Energy
	Office of Nuclear Material Safety and Safeguards	Public

Teleconference:	<u>Bridge Number</u>	<u>Conference ID</u>	<u>Pass Code</u>
	(301) 576-2978	360504761#	

Webinar:	<u>URL</u>	<u>Meeting Number</u>	<u>Password</u>
	https://teams.microsoft.com/l/meetup-join/19%3ameeting_ZmE5MTJkNDEtZjEzMi00ZjA5LTg4ODYtYzkyZTA1MjQ2NjA2%40thread.v2/0?context=%7b%22Tid%22%3a%22e8d01475-c3b5-436a-a065-5def4c64f52e%22%2c%22Oid%22%3a%22ba201bd5-c8f0-4ceb-9df3-bcacf7512b84%22%7d	266 770 461 26	4G7RLh

Comments: Those members of the public interested in attended in-person should pre-register by emailing the meeting contact as soon as possible, but no later than August 29th, 2023. Please provide name and company or organization for each attendee. Plan to arrive 30 minutes early to allow time for security registration.

The NRC provides reasonable accommodations to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in a meeting or need a meeting notice or the transcript or other information from a meeting in another format (e.g. braille, large print), please contact Anne Silk, NRC Reasonable Accommodations Coordinator, at Anne.Silk@nrc.gov or call directly at 301-287-0745. Determinations on requests for reasonable accommodation will be made on a case-by-case basis. Ten (10) days' advance notice is requested to try to ensure availability; however, every effort will be made to address a request for reasonable accommodations with less notice.

PUBLIC MEETING AGENDA

Higher Burnup Workshop IV

August 31, 2023, 12:30 PM to 04:00 PM ET

Hybrid, HQ-OWFN-6B02-Tech

<i>Time</i>	<i>Topic</i>	<i>Speaker</i>
12:30-12:40	Welcome and Opening Remarks	NRC
12:40-12:55	Accident Tolerant Fuel (ATF) "Roadmap to Readiness"	NRC
12:55-1:05	Increased Enrichment Rulemaking Update	NRC
1:05-1:20	Introduction to the New Fuels ATLAS	NRC
1:20-1:40	NEI ATF Industry Update	Industry
1:40-1:55	Update on the Collaborative Research on Advanced Fuel Technologies for LWRs (CRAFT)	Industry and DOE
1:55-2:10	Discussion	NRC, DOE, and Industry
2:10-2:20	Break	
2:20-2:30	Non-LOCA Release Fractions for Burnup > 68 Gwd/MTU	NRC
2:30-2:50	Source Terms with Higher Burnup using MELCOR	NRC
2:50-3:10	Assess the Impact of Prototypic High Burnup Conditions on Fuel Fragmentation Relocation and Dispersal Susceptibility	DOE
3:10-3:25	Environmental Evaluation of ATF with Increased Enrichment and Higher Burnup Levels	NRC
3:25-3:40	Discussion	NRC, DOE, and Industry
3:40-3:55	Public Comments	Public
3:55-4:00	Closing Remarks	NRC

Topics Times are estimated and, depending on participation level, the meeting could adjourn earlier than posted.

ADAMS Accession Number: ML23242A114

Distribution:

RidsACRS_Mail CTR Resource RidsResOd Resource
RidsNrrDssSfnb Resource RidsNrrDss Resource
RidsNrrDssSnsb Resource PUBLIC
RidsNrrDraApob Resource
RidsNrrDorlLlpb Resource
RidsNrrDorl Resource
RidsOpaMail Resource
RidsNrrDra Resource

Office	NRR/DORL/LLPB/PM	NRR/DORL/LLPB/BC	NRR/DORL/LLPB/PM
Name	DKing	GGeorge	DKing
Date	07/26/2023	07/31/2023	07/31/2023

OFFICIAL RECORD COPY

Link to meeting details: <https://www.nrc.gov/pmns/mtg?do=details&Code=20230872>