

AGENDA

Title: OVERVIEW OF ACCIDENT TOLERANT FUEL ACTIVITIES
(Public Meeting)

Purpose: To provide the Commission an update on the status of and issues associated with the path to licensing accident tolerant fuel.

Scheduled: January 24, 2023
9:00 a.m.

Duration: Approx. 3 hours

Location: Commissioners' Conference Room, 1st floor OWFN

Participants: **Presentation**

External Panel **35 mins.***

Bill McCaughey, Director, Office of Advanced Fuel Technologies 7 mins.
Office of Nuclear Energy, Department of Energy

Topics:

- Current efforts of the Advanced Fuels Campaign, including high-enrichment and high-burnup activities
- Near- and long-term accident tolerant fuel (ATF) fuels concepts

Bradley (Brad) Adams, Vice President of Technical Compliance, Engineering, 7 mins.
Southern Company, Member, Industry Accident Tolerant Fuel Working Group

Topic:

- Update on the Accident Tolerant Fuel Working Group mission and activities

Rich Augi, Light Water Reactor Fuel Product Director, 7 mins.
Global Nuclear Fuel

Topic:

- Perspectives on ATF fuel development and deployment

Jeffrey Bradfute, Senior Vice President, Americas PWR Fuel, 7 mins.
Westinghouse Electric Company

Topic:

- Perspectives on ATF fuel development and deployment, including longer-term ATF concepts

Dr. Edwin Lyman, Director of Nuclear Power Safety, Union of Concerned Scientists 7 mins.

Topic:

- Perspectives on ATF technologies and the associated regulatory framework

Commission Q & A 50 mins.

Break 5 mins.

NRC Staff 35 mins.*

Daniel H. Dorman, Executive Director for Operations

Topic:

- Opening remarks on the NRC's ATF activities

Andrea Kock, Deputy Office Director for Engineering, Office of Nuclear Reactor Regulation (NRR)

Topic:

- Strategic overview of the NRC's ATF activities

Kevin Heller, Nuclear Engineer, Division of Safety Systems, NRR

Topics:

- Readiness for licensing ATF
- Recent NRR licensing activities to support ATF decision-making
- Collaboration activities on ATF

Damaris Marcano, Chief, Containment, Thermal, Chemical and Fire Protection Branch, Division of Fuel Management, Office of Nuclear Material Safety and Safeguards (NMSS)

Topics:

- Readiness for licensing the enrichment, fabrication, transportation, and storage of ATF
- Front-end and back-end considerations for ATF
- Recent NMSS licensing and oversight activities to support ATF decision-making

James Corson, Senior Reactor Systems Engineer, Division of Systems Analysis, Office of Nuclear Regulatory Research

Topics:

- Preparation of confirmatory analysis tools for ATF
- Collaboration activities on ATF research

Alice Chung, Reactor Systems Engineer, Division of Systems Analysis, Office of Nuclear Regulatory Research

Topic:

- Modernizing and enhancing staff expertise and leveraging tools associated with the regulation of advances in fuel technologies

Commission Q & A

50 mins.

Discussion – Wrap-Up

5 mins.

*For presentation only and does not include time for Commission Q & A's