

## AGENDA

**Title:** UPDATE ON RESEARCH AND TEST REACTORS REGULATORY PROGRAM (Public Meeting)

**Purpose:** To provide an overview of the research and test reactors (RTR) regulatory program, including medical isotope facilities and the interface of RTRs and advanced reactors.

**Scheduled:** February 22, 2024  
9:00 am

**Duration:** Approx. 3 hours

**Location:** Commissioners' Hearing Room, 1<sup>st</sup> floor OWFN

**Participants:** **Presentation**

**External Panel** **35 mins.\***

**Amber Johnson**, Secretary, National Organization of Test, Research and Training Reactors and Director, Nuclear Reactor and Radiation Facilities, University of Maryland 7 mins.

Topic:

- Overview of RTRs, including regulatory and operational experience, performance, future plans and current challenges

**Rusty Towell**, Director, Nuclear Energy eXperimental Testing (NEXT) Lab 7 mins.  
Abilene Christian University

Topic:

- Role of RTRs in the development of advanced reactor technologies

**Caleb Brooks**, Director, Illinois Microreactor RD&D (IMRD2) Center 7 mins.  
University of Illinois at Urbana-Champaign

Topic:

- Experience with pre-application process and using an AEA Section 104c license to demonstrate advanced reactor technologies

**Andrew Boulanger**, University Fuel Services Program Manager, 7 mins.  
Department of Energy (DOE)

Topic:

- Overview of DOE University Fuel Services program

**Joanie Dix**, Deputy Director, Office of Conversion  
National Nuclear Security Administration (NNSA) 7 mins.

Topic:

- Overview of DOE/NNSA medical isotope program
- Conversion of research reactors from HEU to LEU fuel

**Commission Q & A** 40 mins.

**Break** 5 mins.

**NRC Staff Panel** 35 mins.\*

**Scott Morris**, Deputy Executive Director for Reactor and Preparedness Programs,  
Office of the Executive Director for Operations

Topic:

- Opening Remarks

**Rob Taylor**, Deputy Director for New Reactors and Advanced Reactors, Office of  
Nuclear Reactor Regulation (NRR)

Topic:

- Strategic vision for regulating non-power production and utilization facilities (NPUFs)

**Josh Borromeo**, Branch Chief, Non-Power Production and Utilization Facility Licensing  
Branch, Division of Advanced Reactors and Non-Power Production and Utilization  
Facilities (DANU), NRR

Topic:

- NPUF regulatory program and risk-informed implementation of licensing and oversight

**Rebecca Ober**, Security Specialist (RTR), Advanced Reactor Policy Branch, DANU,  
NRR

Topic:

- NPUF security considerations and recent policy issues

**Holly Cruz**, Senior Project Manager, Non-Power Production and Utilization Facility  
Licensing Branch, DANU, NRR

Topic:

- Licensing activities for medical isotope facilities and advanced RTRs, including best practices and challenges

**Amy Beasten**, RTR Examiner, Non-Power Production and Utilization Facility Oversight  
Branch, DANU, NRR

Topic:

- Oversight and license operator activities for NPUFs

**Commission Q & A** 40 mins.

**Discussion – Wrap-Up**

**5 mins.**

\*For presentation only and does not include time for Commission Q & As