

U.S. Nuclear Regulatory Commission
38th Annual Regulatory Information Conference

RIC2026

Regulation, Innovation and
Collaboration for a Safer Tomorrow

March 10-12, 2026

Bethesda North Marriott Hotel
and Conference Center
Rockville, MD

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Powering the Future: Innovations in Nuclear Fuel and Regulatory Strategy

Technical Session: 9 (TH 18)

Thursday, March 12, 2026

8:30 AM – 10:00 AM

Session Chair: Jen Whitman

Technical Session Introduction

- Commercial nuclear industry is charging ahead with bold innovations to enable increased power generation capability.
- Evolving regulatory and technical landscape enabling these advancements
- Panelists will explore:
 - National priorities, enabling technologies, and regulatory readiness
 - Fuel cycle updates for next gen fuels
 - Integrating advanced modeling, simulation, and experimentation
 - Application of ATF features to enable 24-month fuel cycles
- Conclude with audience Q&A

Speaker Introductions

- Chris Van Wert – Senior Technical Advisor, Nuclear Regulatory Commission
- Jason Piotter – Chief, Nuclear Regulatory Commission
- Nathan Capps – Senior R&D Staff, Oak Ridge National Laboratory
- John Harrell – Director, Dominion Energy

