

Tuesday, March 8, 2022

## Opening Session

### Welcome and Introductory Remarks

[Andrea Veil](#), Director, Office of Nuclear Reactor Regulation, NRC

8:30 a.m. – [Ray Furstenau](#), Director, Office Nuclear Regulatory Research, NRC

9:30 a.m.

### National Anthem

Joseph Goodridge, Administrative Assistant, Division of Preparedness & Response, NSIR/NRC

### Remarks by Christopher T. Hanson

The Honorable [Christopher T. Hanson](#), Chairman, NRC | [Video](#) | [Transcript](#)

9:30 a.m. –

9:45 a.m. **Break**

### Commissioner Plenary

9:45 a.m. – **Introduction and Moderator**

10:30 a.m. [Ray Furstenau](#), Director, Office of Nuclear Regulatory Research, NRC

### Remarks by Jeff Baran

The Honorable [Jeff Baran](#), Commissioner, NRC | [Video](#) | [Transcript](#)

10:30 a.m.

– 10:45 **Break**

a.m.

### Commissioner Plenary

10:45 a.m. **Introduction and Moderator**

– 11:30 [Andrea Veil](#), Director, Office of Nuclear Reactor Regulation, NRC  
a.m.

### Remarks by David A. Wright

The Honorable [David A. Wright](#), Commissioner, NRC | [Video](#) | [Transcript](#)

11:30 a.m.

– 1:00 p.m. **Lunch Break**

### Technical Sessions

- [T1 - Am I A Robot?—How Artificial Intelligence and Machine Learning are Impacting the NRC and Nuclear Industry](#) | [Video](#) | [Transcript](#)
- 1:00 p.m. – • [T2 - Licensing and Oversight Lessons from the Pandemic](#) | [Video](#) | [Transcript](#)
- 2:30 p.m. • [T3 - Preapplication Engagement for New and Advanced Reactors](#) | [Video](#) | [Transcript](#)
- [T4 - Security Cornerstone: Adequate Protection Now and in the Future](#) | [Video](#) | [Transcript](#)

- [T5 - Technology-Inclusive, Risk-Informed, and Performance-Based Regulatory Framework \(10 CFR Part 53\)—Diverse Pathways to the Future](#) | [Video](#) | [Transcript](#)

2:30 p.m. – **Break**  
3:00 p.m.

### Technical Sessions

- [T6 - Exacting the Science of Emergency Preparedness](#) | [Video](#) | [Transcript](#)
- [T7 - Hazard Analysis for Nuclear Automation: Defeating Digital Demons](#) | [Video](#) | [Transcript](#)
- 3:00 p.m. – • [T8 - Making Effective Decisions in Using Defense in Depth, Safety Margins, and Risk!](#) | [Video](#) | [Transcript](#)  
4:30 p.m.
- [T9 - Reimagining Nuclear's Role in Energy and the Electric Grid](#) | [Video](#) | [Transcript](#)
- [T10 - The Future of NEPA Litigation: The Evolving Role of Climate Change, Environmental Justice, and Related Topics](#) | [Video](#) | [Transcript](#)

Wednesday, March 9, 2022

### EDO Plenary

8:00 a.m. – **Introduction and Moderator** | [Video](#) | [Transcript](#)  
8:45 a.m. [Ray Furstenau](#), Director, Office of Nuclear Regulatory Research, NRC

[\*Preparing for Tomorrow as a Modern Risk-Informed Regulator\*](#)  
[Dan Dorman](#), Executive Director for Operations, NRC

8:45 a.m. – **Break**  
9:00 a.m.

### Special Plenary

#### **Waste and Water: The Future of Decommissioning Efforts at Fukushima-Daiichi Nuclear Power Station**

9:00 a.m. – The unprecedented impacts from the 2011 Great Tohoku Earthquake have required the development of complex and multilayered approaches to safely decommission the Fukushima-Daiichi Nuclear Power Station (NPS). This session will focus on two  
9:45 a.m. unique perspectives on Fukushima-Daiichi NPS decommissioning activities: the IAEA Task Force monitoring and reviewing the safety of the planned discharge of treated water currently stored on site and the NDF, the entity leading strategic planning related to decontamination and decommissioning at the site. Attendees will learn about ongoing and future decommissioning activities at Fukushima-Daiichi NPS, lessons learned, and the role of the IAEA in reviewing the planned release of treated water from the site by the Government of Japan.

## **Introduction and Moderator**

[David Skeen](#), Deputy Director, Office of International Programs, NRC

## **Speakers** | [Video](#) | [Transcript](#)

[Decommissioning of Fukushima-Daiichi NPP - Waste and Water - Long-term Decommissioning Plan](#)

[Hajimu Yamana](#), President, Nuclear Damage Compensation and Decommissioning Facilitation Corporation of Japan

[IAEA's Review of Safety Related Aspects of ALPS Treated Water discharge at the Fukushima Daiichi Nuclear Power Station](#)

[Gustavo Caruso](#), Director and Coordinator, Fukushima ALPS Treated Water Review, International Atomic Energy Agency

9:45a.m. –  
10:00 a.m.

## **Break**

## **Special Guest Speaker**

10:00 a.m.  
– 10:30  
a.m.

## **Introduction** | [Video](#) | [Transcript](#)

[Andrea Veil](#), Director, Office of Nuclear Reactor Regulation, NRC

## **Remarks by The Honorable Jennifer M. Granholm, Secretary of Energy, U.S. Department of Energy**

The Honorable [Jennifer M. Granholm](#)

10:30 a.m.  
– 10:45  
a.m.

## **Break**

## **Special Plenary**

## **Women Belong in All Places Where [Nuclear Safety] Decisions are Being Made**

In a moderated discussion with Brooke Clark, the NRC's newly-named Gender Champion, President Rumina Velshi of the Canadian Nuclear Safety Commission will discuss the role of women in the global nuclear safety community. Chairman Hanson and President Velshi will also address their respective efforts to promote a workplace that values diversity and identifies and removes barriers to women; efforts to focus on youth education to build the female talent pipeline; and hiring practices to improve gender balance.

10:45 a.m.  
– 11:30  
a.m.

## **Speakers**

The Honorable [Christopher T. Hanson](#), Chairman, NRC | [Video](#) | [Transcript](#)

[Rumina Velshi](#), President and Chief Executive Officer, Canadian Nuclear Safety Commission

[Brooke Poole Clark](#), Office of the Secretary, NRC

11:30 a.m.  
– 1:00 p.m.

## **Lunch Break**

## Technical Sessions

- [W11 - Accident Tolerant Fuel Readiness](#) | [Video](#) | [Transcript](#)
- [W12 - Future-Focused Research—What Will We Think of Next?](#) | [Video](#) | [Transcript](#)
- 1:00 p.m. – 2:30 p.m. • [W13 - National Institute of Standards and Technology Test Reactor Event: The Response, Review, and Status](#) | [Video](#) | [Transcript](#)
- [W14 - Reactor Decommissioning: Planning for Tomorrow](#) | [Video](#) | [Transcript](#)
- [W15 - Regional Session—Reactor Inspection Program: Leaving Tomorrow Behind](#) | [Video](#) | [Transcript](#)

2:30 p.m. – 3:00 p.m. **Break**

## Technical Sessions

- [W16 - Be riskSMART: Real Examples and Real Impacts](#) | [Video](#) | [Transcript](#)
- [W17 - Emerging Cyber Threats to Industrial Control Systems](#) | [Video](#) | [Transcript](#)
- 3:00 p.m. – 4:30 p.m. • [W18 - Making a Global Impact—Women in International Nuclear Policy Making](#) | [Video](#) | [Transcript](#)
- [W19 - Molten Salt Reactors: Rethinking the Fuel Cycle](#) | [Video](#) | [Transcript](#)
- [W20 - NRC Oversight and Inspection During Periods of Site Inaccessibility](#) | [Video](#) | [Transcript](#)

Thursday, March 10, 2022

## Technical Sessions

- [TH21 - Are We Observing More Extreme Weather Events that Affect the Risk of Nuclear Power Plants?](#) | [Video](#) | [Transcript](#)
- 8:30 a.m. – 10:00 a.m. • [TH22 - Emergency Response During Covid-19: Lessons from Hurricane Ida](#) | [Video](#) | [Transcript](#)
- [TH23 - Global Approaches to Small Modular Reactor and Advanced Reactor Licensing](#) | [Video](#) | [Transcript](#)

- [TH24 - Health Physicists Unite: Building Capacity for Our Radiation Protection Future](#) | [Video](#) | [Transcript](#)
- [TH25 - Practical Experience in Executing a 10 CFR Part 52 Combined License for Vogtle Units 3 and 4](#) | [Video](#) | [Transcript](#)

10:00 a.m.  
– 10:30 a.m. **Break**

### **Technical Sessions**

- [TH26 - Mission Related Research Projects: Preparing for Future Challenges](#) | [Video](#) | [Transcript](#)
- [TH27 - Non-power and Advanced Reactors: Merging of Two Worlds](#) | [Video](#) | [Transcript](#)
- [TH28 - Risk-Informing License Renewal: Exploring the Potential](#) | [Video](#) | [Transcript](#)
- [TH29 - The Benefits of Risk-Informed Decisionmaking for Dry Cask Spent Nuclear Fuel Storage Systems](#) | [Video](#) | [Transcript](#)
- [TH30 - The Future of Incident Response: Leveraging Technology](#) | [Video](#) | [Transcript](#)

10:30 a.m.  
– 12:00 p.m.

12:00 p.m. **Adjourn**