

REG CON 2012

**THE 3RD ANNUAL
DIVISION OF SPENT FUEL STORAGE AND
TRANSPORTATION REGULATORY CONFERENCE**



**SEPTEMBER 12 – 13, 2012
TWO WHITE FLINT NORTH AUDITORIUM**

PROGRAM

2012 SFST Regulatory Conference (REG CON) Agenda

The Division of Spent Fuel Storage and Transportation (SFST) Regulatory Conference (REG CON) is an annual forum to discuss NRC regulatory and technical issues involving spent fuel storage, and the transportation of radioactive material. The Conference provides an opportunity to share with interested stakeholders our regulatory perspectives and initiatives on pertinent licensing, inspection, and regulatory challenges. The forum also provides an opportunity for stakeholders to share experiences and provide insights on improving regulatory oversight in spent fuel storage and transportation. The NRC has objectives of improving openness, regulatory effectiveness, and predictability, while ensuring public health and safety in the storage of spent nuclear fuel and transportation of radioactive material. It is a goal of this conference to achieve these objectives through constructive dialogue with our stakeholders.

Day 1 – Wednesday, September 12, 2012

7:30 - 8:45 AM – Conference Check-in

8:45 - 9:15 AM – Welcome and Introduction – Mark Lombard, Director, Division of Spent Fuel Storage and Transportation

9:15 - 9:45 AM – Opening Speaker: Michael Weber, Deputy Executive Director for Materials, Waste, Research, State, Tribal and Compliance Programs, NRC

9:45 - 10:00 AM – Break

10:00 - 11:30 AM – Panel 1: Operating Experience (Panel Chair: Eric Benner)

This session will focus on current and future industry programs for communicating, retaining, and addressing operating experience (OpE), focusing on the challenges of sharing information between vendors and the relationship between vendors, general licensees, and users groups.

1. Overview of Current OpE Sharing and Potential Improvements (Marc Nichol, NEI)
2. OpE: Recent Misload Events (Pools and Casks) (Randy Robins, Dominion)
3. Dry Cask Storage Users Group Operating Experience Sharing (Suzanne Leblang, Entergy)
4. Operating Experience from Holtec's Point of View (Stefan Anton, Holtec)
5. Storage and Transportation Operating Experience (OpE) (Wren Fowler, NAC)

11:30 AM - 1:00 PM – Lunch

1:00 - 3:00 PM – Panel 2: Non-Spent Fuel Transportation (Panel Chairs: Michele Sampson and Rick Boyle, U.S. Department of Transportation)

This session will focus on regulatory challenges in the non-spent fuel transportation arena. The radioactive materials transportation program represents a broad spectrum of stakeholders and regulatory challenges, whose issues may be unique from those specific to spent nuclear fuel storage and transportation. The session will focus on certification issues, which have broad application across Type B and fissile packaging.

1. Regulatory Issue Summary (RIS): Content Specification and Shielding Evaluations for Type B Transportation Packages (Michel Call)
2. Industry Presentation on Shielding Analysis (EnergySolutions)
3. Operating Experience with UF₆ Cylinders and UX-30 Overpacks (Mary Lynne Thomas)
4. 2011 Transportation Oversight Activities in North America (Clark Vanderniet, TN)
5. Part 71 Licensing Drawings and Welding (Matt Gordon)

3:00 - 3:15 PM – Break

3:15 - 4:00 PM—Information Session:

1. NUREG-2150: A Proposed Risk Management Framework (Earl Easton)
2. NUREG-2125: Spent Fuel Transportation Risk Assessment, Draft (John Cook)

4:00 - 4:30 PM – Summary Discussion of Panels (Facilitated by Alexis Sotomayor-Rivera)

Day 2 – Thursday, September 13, 2012

7:30 - 8:45 AM – Continuation of Conference Check-In

8:45 - 9:00 AM—Welcome Remarks – Scott Moore, Deputy Director, Office of Nuclear Material Safety and Safeguards, NRC

9:00 - 10:15 AM—Panel 3: High Burnup Fuel Storage & Transportation (Panel Chair: Meraj Rahimi)

This panel will focus on issues associated with the storage and transportation of high burnup spent nuclear fuel, including regulatory compliance issues for both 10 CFR Parts 71 and 72, cladding integrity, and fuel reconfiguration.

1. Applicable Regulatory Requirements and Guidance for Storage and Transportation of High Burnup Fuels (Michael Waters)
2. High Burnup Fuel: 10 Years Later (Dr. Albert Machiels, EPRI)
3. Fuel Cladding Integrity (Dr. Robert Einziger)
4. Potential Reconfiguration of High Burnup Fuel and Its Implications to Transportation Package Safety (Dr. Zhian Li)
5. Issues Related to High Burnup Spent Fuel Storage and Transportation Licensing (Prakash Narayanan, TN)

10:15 - 10:30 AM—Break

10:30 - 11:30 AM—Continuation of Panel 3

11:30 - 1:00 PM – Lunch

1:00 - 2:30 PM—Panel 4: Technical Issues (Panel Chair: David Pstrak)

This panel will focus on technical issues related to storage of spent nuclear fuel, including recent vacuum drying events and shielding issues associated with dry cask storage loading.

1. Vacuum Drying Events and Associated Issues (Jorge Solis)
2. Exelon Experience and Observations—Thermal Issues Identified During Loading of Spent Fuel Storage Casks (Ray Termini, Exelon)
3. Utility Use of 10 CFR Part 20 Radiation Protection Programs and Its Applicability to Dry Cask Activities (Suzanne Leblang, Entergy)

2:30 - 2:45 PM—Break

2:45 - 3:15 PM – Summary Discussion of Panels and Future Conference Discussions (Facilitated by Haile Lindsay)

3:15 - 3:45 PM – Closing Remarks – Doug Weaver, Deputy Director, Division of Spent Fuel Storage and Transportation

