




Implementation of Lessons Learned from the Fukushima Dai-ichi Accident

- Session Chair:
 - William M. Dean, U.S. Nuclear Regulatory Commission
- Panel Participants:
 - Michael R. Johnson, U.S. Nuclear Regulatory Commission
 - Philippe Jamet, Autorité de Sûreté Nucléaire, France
 - Toyoshi Fuketa, Nuclear Regulation Authority, Japan
 - Ramzi Jammal, Canadian Nuclear Safety Commission, Canada
 - TANG Bo, National Nuclear Safety Administration, China



NRC Implementation of Lessons Learned from the Fukushima Dai-ichi Accident

Michael R. Johnson
Deputy Executive Director for Reactor and Preparedness Programs



Near-Term Task Force Report (SECY-11-0093) July 12, 2011

“The current regulatory approach, and more importantly, the resultant plant capabilities allow the Task Force to conclude that a sequence of events like the Fukushima accident is unlikely to occur in the United States ... Therefore, continued operation and continued licensing activities do not pose an imminent risk to public health and safety.

However, the Task Force also concludes that... [enhancements can be made].”

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USNRC **RIC** 2015

Enhanced Reactor Safety

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USNRC **RIC** 2015

Ensuring Protection from External Events

- Seismic and flooding hazard walkdowns
- Seismic and flooding hazard reevaluations
- Consideration of other external hazards
- Periodic reconfirmation of external hazards


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USNRC **RIC** 2015

Enhancing Mitigation of Beyond Design Basis Events

- Prevention of core damage
- Containment overpressure protection
- Spent fuel pool safety
- Onsite emergency response

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Strengthening Emergency Preparedness for Multi-Unit Events

- Emergency response personnel and communications
- Training and exercises
- Equipment and facilities
- Dose assessment capability
- Enhance Emergency Response Data System capability

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Consistency with International Community

- NRC regulatory actions are similar to those taken by international counterparts
- Comparable focus areas:
 - Protection from external hazards
 - Mitigation / prevention of severe accidents
 - Enhance emergency response capabilities
- Continued engagement and cooperation with international counterparts

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Conclusion

- Considerable progress has been made
- Substantial safety enhancements will be in place by 2016
- Continuing work on Tier 2&3 recommendations
- Ongoing international collaboration

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