

Session 1
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Assessing Safety Margins After Fukushima Disaster

Chuck Casto

**Deputy Regional Administrator RII
U. S. NRC**



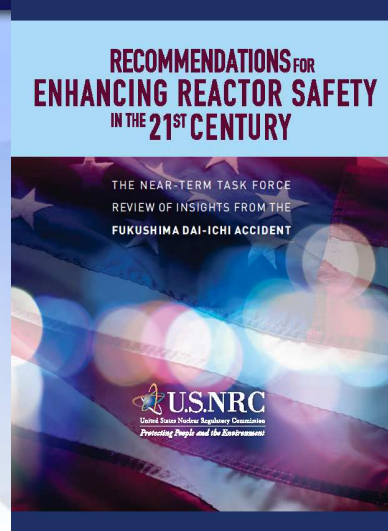
Before Fukushima Event

- **Plants licensed to operate within safety margins**
- **NRC approved process required for changes that affect the safety margins**
- **Risk determined for every change in plant configuration and reported to NRC**
- **Inspection ensures compliance**



Near Term Task Force

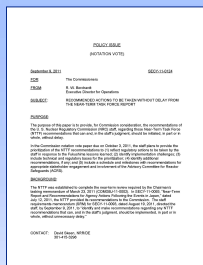
- Commissioned March 23, 2011
- Report Issued July 12, 2011
- Available at: WWW.NRC.GOV



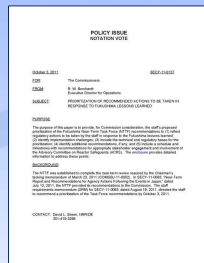
Protecting People and the Environment



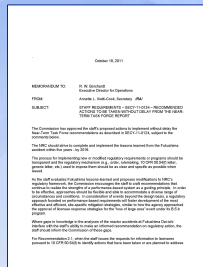
Commission Action on Near Term Task Force Recommendations



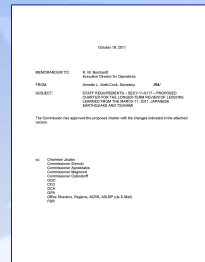
SECY-11-0124



SECY-11-0137



SRM-11-0124



SRM-11-0117

Documents available at www.nrc.gov

Protecting People and the Environment



Recommendations the NRC Intends to Pursue Without Delay

- **Reevaluate seismic and flooding hazards**
- **Perform seismic and flooding hazard walkdowns**
- **Modify SBO rule to require enhanced capability to mitigate prolonged SBO**

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Recommendations the NRC Intends to Pursue Without Delay

- **Protection of equipment intended to mitigate multiunit large area damage events from natural phenomena**
- **Require reliable hardened vent designs in BWRs with Mark I and II containments**
- **Enhancement of spent fuel pool instrumentation**

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Recommendations the NRC Intends to Pursue Without Delay

- **Strengthen and integrate onsite emergency response capabilities**
- **Require EP staffing and communications equipment to respond to multiunit events and prolonged SBO**

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Other Recommendations for NRC Action

- **Tier 2 Recommendations – Could not be initiated in the near term due to resource or critical skill set limitations**
- **Tier 3 Recommendations – Require further staff study to support a regulatory action**

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Additional Issues Under Consideration

- **Filtration of Containment Vents**
- **Seismic Monitoring Instruments**
- **Basis for EP**
- **KI beyond 10 miles**
- **Dry Cask Storage**
- **Loss of Ultimate Heat Sink**

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Thank you for your attention

Questions?

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