

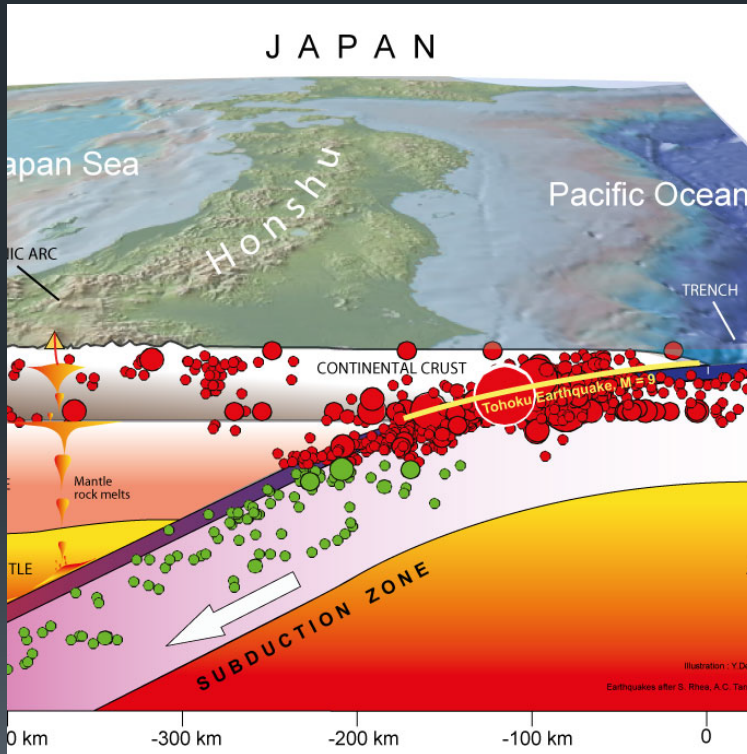
# Fukushima, Two Years On: The NRC's Continued Implementation of Lessons Learned

Allison Macfarlane, Chairman, US NRC

At the Howard Baker Forum U.S.-Japan Roundtable

March 20, 2013

# The earthquake and tsunami: March 11, 2011



# NRC Response to the Accident

- Established Near Term Task Force
- Issued 12 Recommendations within 3 months
- Prioritized the 12 recommendations into 3 tiers



## Post-Fukushima Considerations

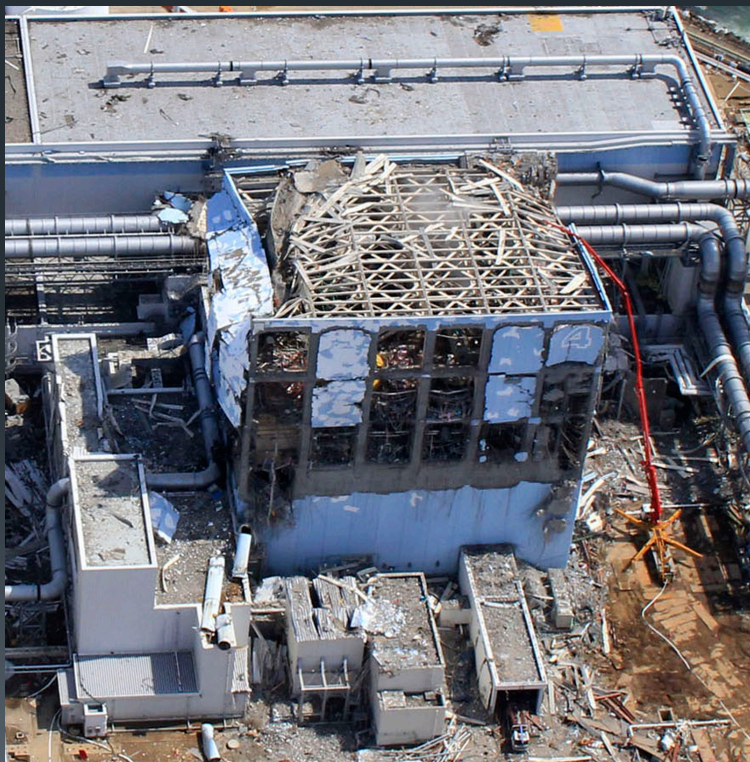
- Earthquake magnitude
- Tsunami height
- Multiple unit accident
- Station blackout



# NRC in Japan, December 2012: Visit to Fukushima



# NRC in Japan, December 2012: Visit to Fukushima



[http://api.ninjq.com/files/YRkG3MfQ2FDxnDoOSCnHd9an9HvUx9UUeiiOeJaVj9snMn2EAEjOtMUp1roHbNpXyculVVZsvf7i\\*6DnpPLXMDz8DO7jYvnb/fukushima\\_4.jpg](http://api.ninjq.com/files/YRkG3MfQ2FDxnDoOSCnHd9an9HvUx9UUeiiOeJaVj9snMn2EAEjOtMUp1roHbNpXyculVVZsvf7i*6DnpPLXMDz8DO7jYvnb/fukushima_4.jpg)

# NRC in Japan, December 2012: Visit to Fukushima

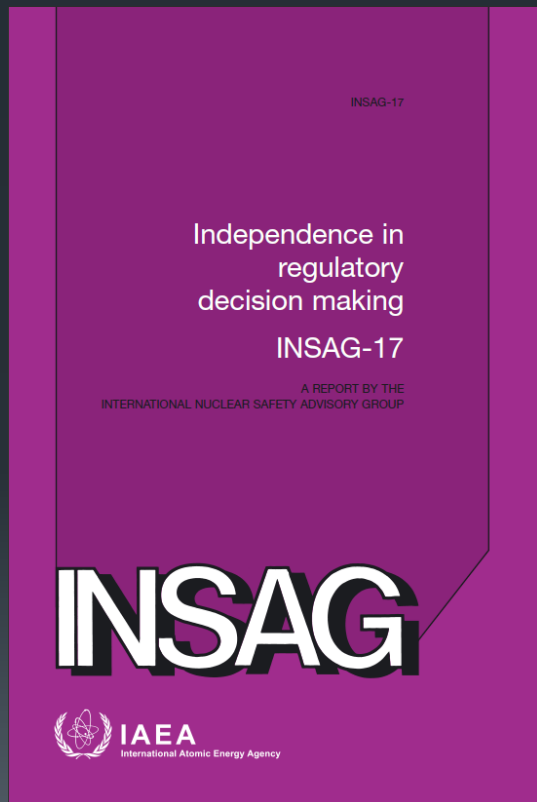


# NRC in Japan, December 2012: Bilateral with JNRA





# Regulatory Effectiveness



- Independent
- Well-funded, staffed
- Free of undue influence
- Open, transparent process

# Implementing Lessons Learned: Where Are We?



- Reviewing licensees' plans for implementing orders:
  - Mitigating strategies
  - Spent fuel pool instrumentation
- Reviewing licensees' reports on plant walk-downs:
  - Seismic hazards
  - Flooding hazards

# Implementing Lessons Learned: Where Are We?

- Commission actions on:
  - Filtration strategies for BWR Mark I and II containments
  - Economic consequences



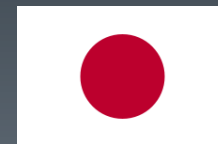
# Public Communication



- Focus on internal and external communications
- Internal
  - Commission and staff
- External – more than 80 public meetings to date
  - Public, state and local governments, interest groups, industry, policy makers, international regulators
- Balancing other safety priorities

# NRC's International Activities

- Nuclear safety assessments
- Ministerial conferences
- Technical and policy expertise for U.S. Government efforts
- Expert missions to Japan
- Review of IAEA safety standards
- Convention on Nuclear Safety



## What's Next?

- Continuing our work on other proposed regulatory changes
  - Station blackout and emergency response
  - Integration of plant procedures
- Continued public and international engagement
- Focus on long-term predictability and stability



Thank You