



# Research and Test Reactor Safety: The Regulatory Perspective

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- Changes at the NRC
- NRC Presentations and Workshops
- IAEA International Physical Protection Advisory Service
- Fukushima Dai-ichi
- Risk Management Regulatory Framework
- Cumulative Effects of Regulation
- Safety Culture

# NRC Presentations and Workshops

- Status of Oversight Activities:
  - Inspection/Operator Exams
  - 10 CFR 50.59
- Status of Licensing Activities
  - License Amendments
  - License Renewals

- IAEA International Physical Protection Advisory Service
- Peer reviews, best practices, recommendations for improvement
- Nation-wide and facility-specific
- Current mission: September 30 - October 11

# NRC Activities Related to Fukushima Dai-ichi

- Near-Term Task Force Recommendations
- Early safety assessment of RTRs
  - No immediate safety concerns
- Commission directed assessment of all licensees – this includes RTRs
- Adequate defense-in-depth
  - beyond the maximum hypothetical accident or security assessments
  - resulting internal event

# Risk Management Regulatory Framework

- Develop a strategic vision for how the agency should be regulating 10 to 15 years in the future
  - Adoption of a more comprehensive, holistic, risk-informed, performance-based regulatory approach
  - Applies to reactors, materials, waste, fuel cycle, and transportation
- Effort results in NUREG-2150, “A Proposed Risk Management Regulatory Framework”

## Non-Power Reactors

- NPR-R-1: Apply the proposed Defense in Depth framework to the NPR licensing process
- NPR-R-2: Evaluate the utility (resulting benefit) of performing pilot risk assessment
- NPR-R-3: Reassess methods used to estimate the frequency and magnitude of external hazards and implement a consistent process
- NPR-R-4: Develop guidance for use in its NPR security regulatory activities

# RMRF Opportunities

- Draft RMRF Commission Policy Statement will soon be published in the Federal Register for public review and comment. Comment period closes 60 days later.
- There will be two 2014 public meetings
- Revised Draft RMRF Commission Policy Statement will be published in the Federal Register on or about April 29, 2014. There will be a 60 day comment period
- Please take advantage of the public meetings and the opportunity to comment on the draft Commission Policy Statement.



# Cumulative Effects of Regulation

Cumulative Effects of Regulation describes and addresses the challenges that licensees face implementing a number of complex regulatory requirements

NRC is exploring a prioritization effort that may evaluate and prioritize regulatory actions in the future

# CER Opportunities

- Public Meetings
- Public Comments
- Follow important CER documents on [regulations.gov](http://regulations.gov) under docket ID: NRC-2013-0102
- Follow efforts related to the Non-Power Reactor License Renewal & Emergency Preparedness (EP) Rulemaking under docket ID: NRC-2011-0087

# NRC Positive Safety Culture Traits

- Safety thinking
- Problem identification and resolution
- Personal accountability
- Education focusing on the reasons underlying the safety significance
- Continuous learning
- Raising concerns
- Management's attention to safety
- Mistakes are freely admitted
- Questioning attitude

# Final Thoughts

- Status of Hiring at NRC
- Positive and enhanced communication
- Opportunities