



Research and Test Reactor Safety: The Regulatory Perspective

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Topics

- 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”

RMRF

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](https://www.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