



Enhancements to Emergency Preparedness Regulations and Guidance

U.S. Nuclear Regulatory Commission
Division of Preparedness and Response
NREP 2007



Background

- The staff reviewed the state of emergency preparedness (EP) given the threat environment following the attacks of September 11, 2001
 - The staff determined enhancements were warranted
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Background, Cont'd.

- The Commission directed the NRC staff to conduct a review of EP regulations and guidance
 - Bulletin 2005-02, “Emergency Preparedness and Response Actions for Security-Based Events”
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Background, Cont'd.

- The Review of EP Regulations and Guidance
 - Public meetings
 - SECY-06-0200, “Results of the Review of Emergency Preparedness Regulations and Guidance”
 - Commission gave direction in a Staff Requirements Memo to SECY 06-200
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The Key Issues

- Security-based EP issues
 - Other EP issues
 - Performance based regulatory scheme
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Security-Based Issues

- ERO augmentation at an alternate facility
 - Protection for onsite personnel
 - Onshift ERO, no collateral duties
 - Licensee coordination with OROs concerning resources needed for response to a terrorist attack
 - Security-based drills and exercises
 - EALs for security-based events
 - Abbreviated notification of OROs
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Other EP Issues

- Alert and notification systems (ANS) back-up means
- Updating evacuation time estimates
- Performance based emergency operations facilities
- Decrease in effectiveness of emergency plans
- Emergency classification timeliness
- Shift staffing and augmentation



Performance-Based Regimen

- Focus on licensee efforts on actual performance competencies, rather than control of emergency plans and procedures
 - Development of the concept would include significant stakeholder input
 - In the SRM the Commission gave direction to explore the concept, but with a lower priority than rulemaking
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Next Steps

- Rulemaking Plan
 - Partnered with DHS/FEMA to establish a rulemaking working group
 - Proposed Rule
 - Enhanced Public Participation
 - Final Rule
 - Updates to Guidance
 - Emergency Response Data System (ERDS)
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ERDS Modernization Project Overview

- ERDS modernization project is designed to be implemented in two phases over 5 years.
 - Outreach has been conducted with the States and NEI to foster an information exchange and minimize the potential impact of this project
 - Stakeholders should submit their project inquiries to ERDS@NRC.gov
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Other EP Activities

- Review of NEI 99-01 rev. 5, “Methodology for Development of Emergency Action Levels”
 - Review of NEI-07-01, “Methodology for Development of Emergency Action Levels for Advanced Passive Light Water Reactors”
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Summary

- Rulemaking
 - Plan to Commission April 2007
 - Partner with DHS/FEMA
 - Anticipate Federal Register Notice-2008
 - 2-4 public meetings to engage stakeholders
 - Anticipate Final rule 2010
 - Guidance changes to follow
 - ERDS Modernization
 - EAL Guidance documents
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