



U.S.NRC

United States Nuclear Regulatory Commission

Protecting People and the Environment

***Briefing on the NRC Actions for
Addressing the Integrated
Regulatory Review Service (IRRS)
Report***

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Agenda

- ***IRRS Mission***
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- ***NRC Action Plan***
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IRRS Mission

- ***Mission focused on the operating power reactor program***
- ***Conducted October 17 – 29, 2010***
- ***Report issued March 1, 2011
(ML110630400)***

Mission Preparation

- ***Senior Management Advisory Board***
- ***Self-assessment***
- ***Preparatory meetings***
- ***Advance reference material***
- ***Module counterparts***

Mission Outcomes

- ***Three types of findings***
 - ***Recommendations***
 - ***Suggestions***
 - ***Good Practices***
- ***Followup mission***

Recommendations

- ***Confirm and document an integrated management system***
- ***Implement a periodic holistic management systems review***

Suggestions

- ***Harmonization with IAEA standards***
- ***Licensee safety improvements***
- ***Severe accident management***
- ***Emergency Preparedness and Response***
- ***Safety/Security interface***

Good Practices

- ***Communication***
- ***Transparency***
- ***Human capital planning***
- ***Inspection program***
- ***Rulemaking process***
- ***Operating experience program***

Integrated management system

- ***Recommendations R1, R2, and Suggestion S3***
 - ***Develop process map***
 - ***Evaluate need for additional periodic review***

Licensees' responsibility

- ***Suggestions S1 and S14***
 - ***Develop consistent message to convey to licensees their responsibility for safety***

Harmonize with IAEA standards

- ***Suggestions S2, S5, S12, and S13***
 - ***Management Directive 6.6***
 - ***Update guidance for regulations***
 - ***Review instructions for updating the Standard Review Plan***

Severe Accident Management (SAM)

- ***Suggestions S4 and S10***
 - ***Review operator training and examination coverage***
 - ***Assess NRC oversight of severe accident management***

Acceptance criteria

- ***Suggestion S6***
 - ***Consider time limit for code approvals***
- ***Suggestion S7***
 - ***Consider ALARA principle in safety analyses***

NRC assessment

- ***Suggestion S8***
 - ***Assess requirements for ensuring acceptability of safety analyses***
- ***Suggestion S11***
 - ***Review inspection event response guidance***

Operational experience

- ***Suggestion S9***

- ***Assess lessons learned from other countries Periodic Safety Reviews***

- ***Suggestion S19***

- ***Assess collection of non-nuclear information***

Emergency preparedness

- ***Suggestions S15, S16, S17, and S18***
 - ***Improve notification of IAEA***
 - ***Discuss potential improvements with Federal and State partners***

Safety-security interface

- ***Suggestion S20***
 - ***Encourage effective industry coordination of the safety-security interface***

Lessons Learned Workshop

- ***Third IAEA IRRS Lessons Learned Workshop***
- ***October 26 – 28, 2011***

Acronym List

- ***ALARA – As Low As Reasonably Achievable***
- ***IAEA – International Atomic Energy Agency***
- ***IRRS – Integrated Regulatory Review Service***

Acronym List (Cont'd)

- ***NRC – Nuclear Regulatory Commission***
- ***SAM – Severe Accident Management***