

Benefits of an Effective Integrated Safety Analysis Program

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June 12, 2012



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Integrated Safety Analysis

Background & Timeline

ISA Review Project

Expanded Approach

Challenges

Benefits

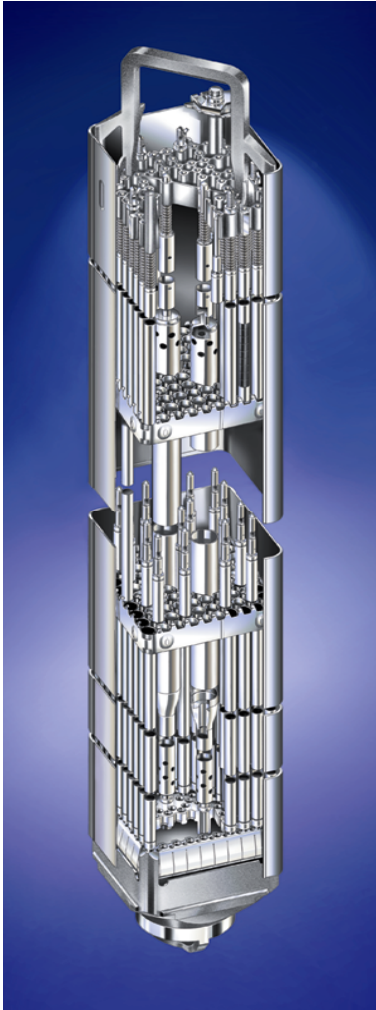


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Integrated Safety Analysis



10CFR70.62

Safety program and integrated safety analysis

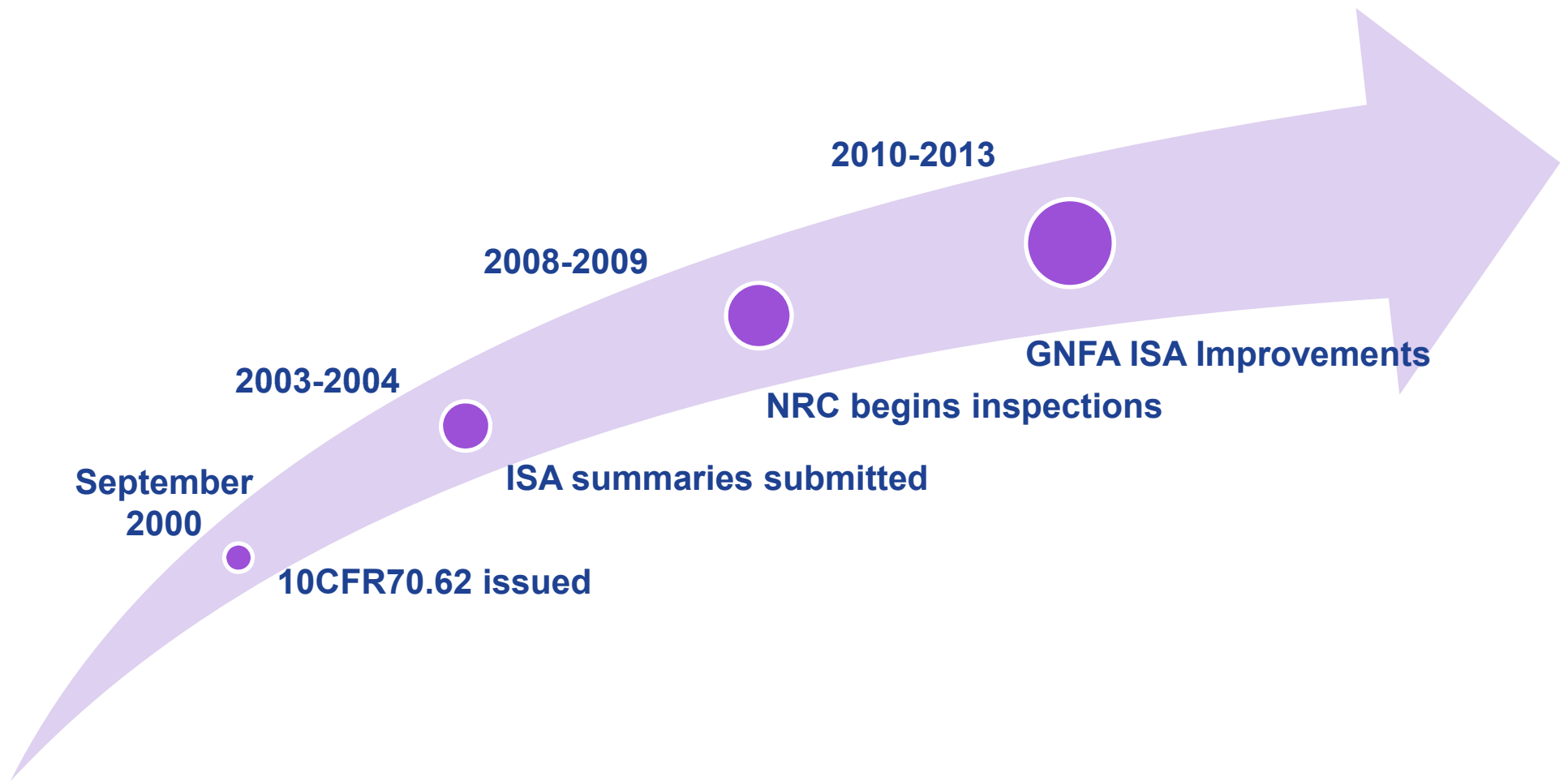
“Each licensee or applicant shall establish and maintain a safety program that demonstrates compliance with the performance requirements of § 70.61”



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Timeline



GNFA ISA Review Project

- ✓ Methodology consistent with NRC guidance
- ✓ Detailed treatment of fire & chemical events
- ✓ More quantitative vs. qualitative
- ✓ Independent team ... fresh start



Review Project ... Expanded Scope

- ✓ Confirm design basis assumptions
- ✓ Field verification of controls
- ✓ Consistency of design basis documents
- ✓ IROFS boundary definitions



Challenges

- ❑ Significant Investment
- ❑ “Scope Creep”
- ❑ “Sole” IROFS
- ❑ Phased Implementation



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Benefits

- ✓ Enhanced licensing basis awareness
- ✓ Improved training program
- ✓ Confirmed facility licensing basis
- ✓ Strengthened fire hazards analysis

Improved safety margin



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