



RIC 2010 NRC Approval of Licensing Actions

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Background

- Coordinated Advisory Committee on Reactor Safeguards (ACRS) Subcommittee on Reliability and Probabilistic Risk Assessment (RPRA).
- Participated in early discussions on developing Regulatory Guides (RGs) and Standard Review Plan (SRP) chapters for risk-informed changes to the licensing basis.
- Observed early PRA peer review.
- Worked on activities to risk inform materials programs.

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Overview

- Pilot plants added a lot of value.
- Pursued a variety of risk-informed initiatives
 - Technical Specifications (TS)
 - Inservice inspection
 - Inservice testing
 - Graded quality assurance

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Discussion

- Returned to Office of Nuclear Reactor Regulation (NRR) in Division of Operating Reactor Licensing (DORL).
 - Surprised by limited number of ongoing reviews of risk-informed submittals
 - Mostly risk-informed TS and inservice inspection.
 - RG 1.200 on technical adequacy of PRA playing a key role

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Discussion

- Key Region IV reviews approved:
 - Initiative 5B regarding TS Surveillance Frequency Control Program.
 - Alternative to use risk-informed safety classification and treatment for repair/replacement of Class 2 and 3 moderate and high energy systems.

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Conclusions

- Holding pre-licensing meetings provides a valuable opportunity to bring key NRC technical reviewers into the process early and surface issues prior to the submittal.
- Risk-informed TS have been among the most successful and broadly adopted initiatives.
- Focus of this session is mostly risk-informed TS.

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