



Background - Nuclear Energy Overview February 27, 2006

- Statements by Laura Dudes, NRC Branch Chief for new reactor licensing, and Phillip Ray, NRC senior project manager for new reactor licensing
- Current schedules indicate that COL applications will be submitted for 12 to 19 reactors within the next 2 years
- NRC emphasized that effectiveness of standardized review approach will rest heavily on industry's ability to:
 - Commit to standardization
 - Submit high-quality applications that are as complete as possible
- NRC asked industry to organize vendor/applicant coordinating groups for each reactor design type
- Identify one of the COL applications to serve as the reference COL.
- Subsequent COL applications cite reference COL
- NRC urged industry to use topical reports to resolve issues generically (by design) ahead of application submittals

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Straw Man Starting Point for Issues Discussion (Cont'd)

- 8. Modeling digital equipment in PRA
 - No consensus on how digital equipment could or should be modeled in PRA
- 9. Cyber security
 - NEI 04-04 provides high-level, programmatic "what-to-do" guidance
 - Regulatory requirements and acceptance criteria not well defined
 - Wireless technology adds another dimension
- 10. Out of date review criteria for digital equipment
 - Review criteria for digital systems are changing; NRC is in the process of updating several sections of SRP Chapter 7 and associated BTPs
 - What are the criteria for new plants?
 - What are acceptable approaches to satisfy the criteria?

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Suggested Approach for Generic Resolution of Critical Issues (Cont'd)
Approach can then be used for all three plant types to develop plant-type specific design
Exception could be for an issue that is strictly related to a single plant type
Here it may still be appropriate to develop industry positions/guidance/technical bases, or it may be better to develop the actual design



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