



RIC 2011 NRC Strategy in Continued Implementation of Risk-Informed Activities

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Risk-Informed Activities (Operating and Pre-fuel Loading)

- Per PRA Policy Statement – continue implementing applications of PRA in a consistent and predictable manner to promote regulatory stability and efficiency
- Staff position on PRA quality unchanged – regulatory guides, standard review plans, standards, NUREGs, etc. only formalize staff expectations and reduce ambiguity in understanding
 - Scope and level of detail of PRA commensurate with regulatory decision under consideration which continues to be reflected in NRC documents (e.g., RG 1.174, RG 1.200)

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Staff Position – PRA Quality (Operating and Pre-fuel Loading)

- Standards are just one piece of the puzzle, other “documents” are also key pieces; for example,
 - Application-specific regulatory guides (e.g., RG 1.174)
 - Regulatory Guide 1.200
 - Supporting technical guidance reports
 - NUREGs (e.g., NUREG-1855)
 - Industry technical reports
 - Peer review guidance
- Important to understand the role of the Standard and these other documents to properly prioritize and focus resources

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Staff Position – PRA Quality (cont'd) (Operating and Pre-fuel Loading)

- For consistent implementation and achieving stability, important that the Standard remains at the "what to do" level
 - "How to's" (including methods) should be in supporting related documents
- Methods sufficiently mature to support risk-informed applications
 - Improvement in methods and knowledge continue as part of routine programs/projects
 - For example, methods regarding seismic PRA in numerous documents dating back to late 1970's and been used to conduct over 60 assessments worldwide

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NRC Strategy

- Important to
 - Identify the technical issues and potential resolutions that would help increase efficiency in implementing activity
 - Prioritize the issues (and needed schedule) relative to their significance
 - Determine the best vehicle for addressing the identified issues
 - Internal NRC – RG, NUREG, etc.
 - Industry (e.g., EPRI, SDO, University)
 - Cooperative effort between NRC and industry
 - Support pilots (objective and goal need to be clearly defined)
- NRC effort underway to document all the above
 - Identify efforts that could be initiated immediately
 - Work with industry

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