



Interim Update Meeting: Technical Review of Industry Plan to Assess LOCA Performance Against Research Findings

NRC Meeting - March 3, 2011

Agenda

- Project Approach
- Possible Grouping Principles
- Deliverable
- Milestones / Targets
- Conclusion

Project Approach

- Survey Plant Analyses of Record (AOR)
- Determine Allowable Local Oxidation Relative to Research Results (Raw Margins)
- Group Plants
- Determine Margins to Research Results of Each Group
 - No additional assessment required
 - Credits identified and applied
- Document with Margins Assessment Report

Possible Grouping Principles

- The results of the AOR LOCA survey results will provide the major basis for the grouping process.
- Reactors may be grouped according to analyses / physical characteristics: methodologies, core size, cladding material, loop configuration, and ECCS differences.
- Additional segregation is likely based on the margin results identified in the survey.

Deliverable

- PWROG & BWROG margin assessment reports will be issued
 - Reports cover how and why the plants have margin with respect to research findings
 - Combined under an NEI cover letter
- Report Content
 - Estimated %ECR margin(s) w/ credits
 - Time above 800 °C (breakaway oxidation)
 - Inputs/assumptions used to define clad performance margins
 - Credits and Bases

Milestones / Targets

- **August 2010** - Develop project scope, resource requirements, and funding requests (**Completed**)
- **November 2010** - PWROG / BWROG authorize projects (**Completed**)
- **March 2011** - Vendors issue draft Clad Performance Margin Assessment Report to PWROG / BWROG / NEI for review (**In Progress**)
- **March 2011** – NEI / Vendors / Owners' Groups resolve comments (**On Target**)
- **April 2011** - NEI provides Clad Performance Margin Assessment to NRC (**On Target**)
- **May 2011** - Post Delivery NRC / Industry Meeting (**On Target**)

Conclusion

Industry project will provide a timely assessment of clad performance margins in response to NUREG/CR-6967 research findings.