
Post-LOCA Water Management



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Meeting Purpose

- The primary purpose of the meeting is to develop a detailed understanding of challenges and impediments of reducing containment spray flow following a loss of coolant accident.
- This meeting is also intended to explore other water management strategies that could extend the injection phase of a LOCA.



Background

- Safety would be enhanced by extending the injection phase (delaying the onset of the containment recirculation phase) following a loss of coolant accident (LOCA).
- Extending the injection phase would
 - give operators more time to establish a reliable recirculation path
 - reduce the debris impacts on the containment recirculation sump screen
 - reduce downstream effects following containment recirculation
 - extend the time for any other remedial or compensatory actions
- Minimizing the use of containment spray following a LOCA could make significantly more water available for injection to the core.



Topics for Discussion

- Licensing basis changes that would be necessary to reduce containment spray flow.
 - Cost and impact of these changes
 - Extent to which costs and risk reductions would be plant-specific
- Regulatory impediments to make changes under consideration
- Other water management measures besides reducing containment spray flow that could extend the injection phase of a LOCA

