

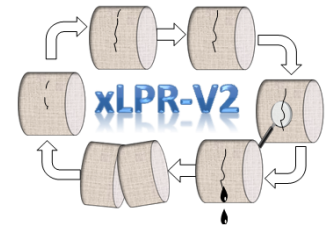


Charter of the External Review Board

xLPR External Review Board Meeting
February 20, 2013

Objectives of the ERB

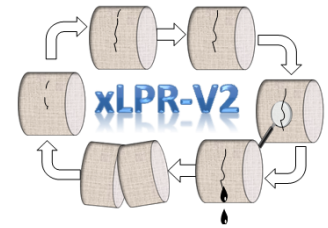
Overview



- Is the xLPR project positioned to meet its stated objectives?
- Is the xLPR project managed in a way so as to meet its stated objectives?
- Are the technical aspects of the xLPR project appropriate and adequate to meet its stated objectives?

Objectives of the ERB

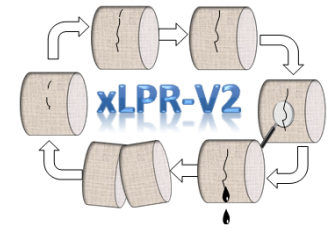
Detail (1 of 2)



- **Assess whether the xLPR approach is adequate to meet the stated objectives of the project and whether the project work reflects a full understanding of the regulatory and industry needs.**
- **Assess the organization and management adequacy of the xLPR project.**
 - **Are the qualifications and capabilities of the xLPR project staff appropriate to address all of the technical challenges identified for the project?**
 - **Are the analytical resources, facilities, and laboratory equipment appropriate to address the technical challenges identified for the project?**
 - **Are the program management, communications, quality assurance, and other project management practices adequate to ensure the success of the project?**

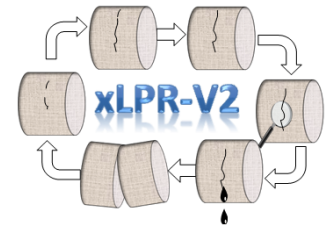
Objectives of the ERB

Detail (2 of 2)



- **Assess the technical adequacy of the xLPR project**
 - Is the engineering/scientific quality of the work comparable to the technical quality that exists in leading federal, university, and/or industrial research and development efforts?
 - Does the xLPR project demonstrate a broad understanding of, and appropriate accounting for, the underlying scientific principles? Are these principles appropriately applied?
 - Does the xLPR project demonstrate a broad understanding of, and appropriate accounting for, the realities and constraints imposed by nuclear power plant design and operation?
 - Does the work performed employ an appropriate mix of theory, computation, and experimentation?
 - Does the work performed include adequate and appropriate benchmarking of the analytical models to independent and rational metrics of truth?

Responsibilities of the ERB



- Prepare for board meetings
- Attending and participating in all meetings
- Providing output and assessment to the xLPR Technical Leads within two weeks of the conclusion of all meetings.
 - The xLPR External Review Board's assessments and recommendations shall be made to the xLPR Project in an advisory sense only
 - The Board's recommendations shall contain the consolidated views of the entire xLPR External Review Board; they may also contain the individual views of each xLPR External Review Board member if the Board views this as beneficial.
 - Each recommendation made by the xLPR External Review Board shall be tied to a one of the Board's objectives.