

NRC Discussion Items

License Renewal Interim Staff Guidance

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Preservice Inspection

No significant progress

Arkansas Nuclear One Unit 1 and Three Mile Island Unit 1 Operating Experience

Root Cause Evaluation Underway

Difficulties in detecting new forms of degradation

Comprehensive review of eddy current data

Use of absolute channel

Change since preservice and prior inservice inspections (what is typical/atypical change)

Attention to all inspection results – not just certain issues

Degradation of Secondary Side Internals

Flow Assisted Corrosion/Erosion Corrosion of various steam drum components including feedring

Areva – feedring inspection port cover bolts

Communication of Secondary Side Operating Experience

Determining applicability to various units

Materials of construction

Manufacturer/Designer

Performance Standards for Tube Integrity

Report appears comprehensive

NRC reviewing

Initial Reaction: Focus on worst tube rather than full bundle

Time Dependent Leak Rate Report

NRC reviewing

Leakage from flaws deep in tubesheet – foreign operating experience

Some leakage events may have been attributed to manufacturing issues (e.g., oversized tubesheet holes, tube expanded using minimum torque/expansion pressure)

Implications for U.S. plants