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Closure Plan for AP1000 Piping Design Acceptance Criteria

Public Meeting at the

Nuclear Regulatory Commission

May 24, 2011

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Meeting objectives

- Gain alignment on need for stakeholders to identify approach for resolving all DAC
- Gain alignment on AP1000 COL piping (including pipe rupture analysis) DAC closure approach
- Discuss DAC closure process
- Gain alignment on how previous key issues will be handled
- Discuss maintenance of DAC/ITAAC
- Discuss initial test program license conditions

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DAC Closure Options

- It is not too early to engage the staff on activities related to DAC closure
- Should consider all DAC (only piping will be discussed today)
- Identify DAC closure approach acceptable to stakeholders
- NRC's current approach to inspection of piping DAC
- A common approach to DAC closure will expedite the review process

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Previous Piping DAC Issues

- Staff review for COL piping DAC closure will be a fresh look
- Unresolved technical issues will be revisited
  - Example: audit summary (ML 110250634)
- Note that changes to the methodology called out in the license will require a COL amendment

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NRC Piping DAC Inspection Procedure Status

- IP 65001.20 (piping design) being processed for issuance
- IP 65001.XX (pipe break hazards analysis) drafted and out for internal comment; target for issuance is June 30

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A Potential Closure Plan

- RCOL submits ITAAC closure letter including a list of the piping packages with version number
- If methodology is to be changed (for example, WESTEMS used), RCOL submits amendment to COL
- NRC inspects piping design and writes inspection report for ITAAC closure for the RCOL
- SCOL ITAAC closure letter for piping DAC:
  - reference the RCOL ITAAC closure letter and RCOL ITAAC inspection report for Piping DAC
  - Identify any deviations from RCOL DAC implementation