

# RIC 2003

## Building on the Davis-Besse Experience Session T1

NRC's Davis-Besse Task Force

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## Background

- Davis-Besse Task Force Report issued Sept 30, 2002, contained 51 recommendations to improve regulatory process
- Stakeholders believe that ROP was not effective in identifying vessel head degradation
- Improvements to NRC Inspection Program



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## Major Themes for NRC Inspection Program

- Need to better integrate inspection program and operating experience
- Need to direct inspectors into areas of known generic concerns and provide periodic inspector training on current technical issues
- Need to follow up on licensee responses to generic communications
- Need to maintain a questioning attitude
- Communicate expectations for inspector follow up



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## **Several Recommendations Pointed Towards Need to Enhance NRC Inspection of Corrective Action Programs**

- Licensee corrective actions associated with industry operating experience
- Licensee actions associated with NRC generic communications
- Licensee corrective actions for longstanding/repetitive problems
- Deferred modifications or deferred corrective actions
- Assess production influences on outage work scope.



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## **Specific Activities in Response to Lessons Learned Recommendations**

- NRC senior management review team prioritized high priority recommendations and categorized into 4 groups:
  - Assessment of stress corrosion cracking
  - Assessment and Integration of Operating Experience
  - Evaluation of Inspection, Assessment, and Project Management Guidance
  - Assessment of Barrier Integrity Requirements
- Remaining recommendations integrated into operational planning activities



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## **Assessment of Stress Corrosion Cracking**

- Evaluate development of improved inspection guidance for RPV head and VHP nozzles
  - Establish technical basis for new inspection guidance
- Evaluate current BACC programs and whether additional inspection guidance or regulatory requirements are necessary
- Ensure NRC inspection guidance provides effective oversight of licensee RPV head inspections and BACC programs



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## **Assessment and Integration of Operating Experience**

- Formed inter-Office operating experience task group
- Identify Agency needs and objectives in operating experience and changes necessary
  - Need to better integrate inspection program and operating experience in the short and long term
  - Need to direct inspectors into areas of known generic concerns



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## **Inspection, Assessment, and Project Management Guidance**

- Ensure sufficient inspections are conducted of:
  - Long-standing, unresolved problems that don't progress to a finding
  - Corrective actions phased over several years or Refueling Outages
  - Deferred modifications or deferred corrective actions
  - Enhance guidance to pursue issues and problems identified during inspector plant status reviews
  - Reinforce expectation for maintaining a questioning attitude
- Management of organization and resources for plants in extended shutdown





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## Assessment of Barrier Integrity Requirements

- Review and improve leakage detection requirements and inspection guidance
- Perform comprehensive review and evaluation of plant experiences, current leakage detections systems, and state-of-the-art systems
- Review and improve barrier integrity performance indicators:
  - Improve existing BI PI based on current requirements and measurements
  - Evaluate feasibility of an additional BI PI to track number, duration, and rate of primary system leaks
  - Evaluate feasibility of establishing a risk-informed BI PI
- Need to look at inter-relationships between regulations, PIs, & inspection guidance