

COMMISSION BRIEFING SLIDES/EXHIBITS

BRIEFING ON NRC LESSONS LEARNED:

DAVIS-BESSE RVH DEGRADATION

JANUARY 14, 2002



DAVIS-BESSE REACTOR VESSEL HEAD DEGRADATION LESSONS- LEARNED TASK FORCE

**Art Howell, Director, DRP
Region IV**

Lessons-Learned Task Force (LLTF) Background

- **Formed in May 2002**
- **Conducted an independent evaluation**
- **Conducted public meetings**
- **State of Ohio Observer**

LLTF Background Cont'd

- **Reviewed:**
 - **Reactor oversight process**
 - **Regulatory processes**
 - **Research activities**
 - **International practices**
 - **Generic Issues program**

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LLTF Background Cont'd

- **Proposed recommendations for improvements**
- **Final report issued in September 2002**
- **NRC staff briefings ongoing**
- **Briefed ACRS**

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Overview of Results

- **Potential for this type of problem was previously recognized**
- **During 1990s, vessel head penetration axial nozzle cracking was not considered an immediate safety concern**

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Overview of Results Cont'd

- **Lessons-learned involving the unpredictability of boric acid-induced corrosion rates were not well recognized**

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Overview of Results Cont'd

- **NRC and industry follow up of relevant operating experience**
- **FirstEnergy attention to plant safety issues at Davis-Besse**
- **NRC integration of information**

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Overview of LLTF Recommendations

- **Improve inspection guidance**
- **Assess effectiveness of operating experience review processes**
- **Encourage changes to ASME Code inspection requirements**

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Overview of LLTF Recommendations Cont'd

- **Conduct staff training**
- **Assess leakage monitoring requirements and methods**
- **Assess stress corrosion cracking and boric acid corrosion data**

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Overview of LLTF Recommendations Cont'd

- **Enhance licensing guidance and reinforce expectations**
- **Assess effectiveness of actions stemming from previous NRC lessons-learned reviews**

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SENIOR MANAGEMENT REVIEW TEAM

**Carl J. Paperiello
Deputy Executive Director
for Materials, Research and
State Programs**

Senior Management Review Team

- **Formed October 3, 2002**
- **Reviewed the LLTF Report**
- **Developed plan to address LLTF recommendations**

Senior Management Review Team

- **Carl Paperiello, Chair**
- **Samuel Collins, Director, NRR**
- **Martin Virgilio, Director, NMSS**
- **Ashok Thadani, Director, RES**
- **Ellis Merschoff, Administrator,
Region IV**
- **Janice Moore, OGC**

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Senior Management Review Team

- **Agreed with LLTF
recommendations with two
exceptions**
- **Prioritized recommendations**

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Senior Management Review Team

- **Integrated LLTF recommendations into four overarching categories**
- **Proposed implementation time frames for high priority recommendations**

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