



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**

LLTF Background Cont'd

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

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**

Overview of Results Cont'd

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

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**

Overview of LLTF Recommendations

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

Overview of LLTF Recommendations Cont'd

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

Overview of LLTF Recommendations Cont'd

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