



**Executive Director for Operations Brief**

Tuesday, October 2, 2001

4:00 p.m. - 5:00 p.m.

Room: O-17B4

**Commissioners' Technical Assistants Brief**

Wednesday, October 3, 2001

1:00 p.m. - 2:00 p.m.

Room: 18<sup>th</sup> Floor Commissioners' Conference Room

- Purpose:**
- 1) To discuss and focus on the results of the staff's Bulletin 2001-01, "Circumferential Cracking of Reactor Pressure Vessel Head Penetration Nozzles," response reviews for the high susceptibility plants
  - 2) To discuss the basis for the next Regulatory Action to be taken

**Success:** EDO & Commissioners' Technical Assistants understand the results of the staff's review and the next Regulatory Action(s)

Introduction:	Jake Zimmerman	5 mins.
Discussion of Reviews:	Andrea Lee	20 mins.
Discussion of Next Regulatory Action(s):	Mark Reinhart	20 mins.

Information in this record was deleted  
in accordance with the Freedom of Information  
Act, exemptions 4  
FOIA- 2002-229

E-12

## PROCESS/STATUS/SCHEDULE

### Action Items Completed

Bulletin Issued - August 3, 2001

Bulletin Responses Received - September 4, 2001

Preliminary Review of Responses Complete - September 12, 2001

- NRR & RES - 7 Submittals
  - ▶ Plants that have found Cracking & Leakage (5 plants) - Bin 1
  - ▶ Plants with High Susceptibility, < 5 EFPY of Oconee 3 (7 plants) - Bin 2
- NRR/DLPM PM "Tiger" Team - 37 Submittals
  - ▶ Plants with Moderate Susceptibility, b/w 5 & 30 EFPY of Oconee 3 (32 plants) - Bin 3
  - ▶ Plants with Low Susceptibility, > 30 EFPY of Oconee 3 (25 plants) - Bin 4

~~Pre-decisional Information - Not for Public Disclosure~~

Temporary Instruction (TI) Issued to Regions - September 20, 2001

**PLANTS WITH CRACKING/LEAKAGE HISTORY (BIN 1) AND HIGH SUSCEPTIBILITY PLANTS (BIN 2)**

Plants	Last Inspection		Next Inspection				CCDP* (IPE)	Regulatory Action Demanded?
	Date	Method	Date		Method			
Oconee 1	11/2000	Qual. Visual - 100%	03/2002	OK	Qual. Visual - 100%	OK	1E-2 3.5E-3 (Response)	NO
Oconee 2	04/2001	Qual. Visual - 100%	[REDACTED]	OK	Qual. Visual - 100%	OK	1E-2 3.5E-3 (Response)	NO
Oconee 3	2/2001	Qual. Visual - 100%	11/2001	OK	Qual. Visual - 100%	OK	1E-2 3.5E-3 (Response)	NO
ANO-1	03/2001	Qual. Visual - 100%	[REDACTED]	OK	Qual. Visual - 100%	OK	3E-3	NO
D.C. Cook 2	09/1994	ID NDE - 91%	11/2001	OK	Remote Visual & ECT/UT	OK	4.7E-3	NO
Sunny 1	Spr 2000	***	10/2001	OK	Qual. Visual - 100%	OK	5.3E-3	NO **
TMI-1	09/1999	Eff. Visual - 100%	10/2001	OK	Qual. Visual - 100%	OK	7.5E-3	NO
North Anna 1	02/1996	ID NDE - 31%	09/2001	OK	Qual. Visual (100%) & ECT/UT ****	NO	6.6E-3	YES ****
Robinson	04/2001	Visual - Partial	[REDACTED]	NO	Qual. Visual - 100% ****	NO	2E-2	YES ****
Davis-Besse	03/2000	Visual - Partial	04/2002	NO	Qual. Visual - 100%	OK	6.9E-3	YES
North Anna 2	Spr 2001	***	[REDACTED]	NO	Qual. Visual - 100% ****	NO	6.6E-3	YES ****
Sunny 2	Fall 2000	***	03/2002	NO	Qual. Visual - 100%	OK	5.3E-3	YES **

\* Conditional core damage probability.

\*\* Licensee has committed to qualified visual examination per conference call (September 21, 2001).

\*\*\* Prior inspection at last RFO, in accordance with GL 88-05 & GL 97-01.

\*\*\*\* Licensee may or does not have sufficient information to demonstrate that last inspection was a qualified visual examination.

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## **NEXT REGULATORY ACTION**

- **Adequate Protection**
  - ▶ Special Circumstance
  - ▶ Risk
  - ▶ Deterministic Standards
- **Regulatory Action**
  - ▶ Phone call with Licensee
  - ▶ Meeting with Licensee
  - ▶ Implement Regulatory Action

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## **PERFORMANCE GOALS**

- **Maintain Safety**

- ▶ Purpose of the bulletin is to collect information to determine if additional regulatory action is necessary
- ▶ Information to date provides a sufficient technical basis to show that conditions adverse to quality are being managed for most, but not all plants in the short-term
- ▶ Additional cracking should be anticipated - long-term management needed

- **Increase Public Confidence**

- ▶ Participation at public meetings via telephone
- ▶ Maintaining current information on Bulletin 2001-01 & Alloy 600 Web Sites
- ▶ Disciplined and timely reviews of plant-specific responses and regulatory action(s)

- **Make NRC Activities and Decisions More Effective, Efficient, and Realistic**

- ▶ Reviews prioritized based on susceptibility groupings and plant outage schedules
- ▶ Use of Risk Insights

- **Reduce Unnecessary Regulatory Burden**

- ▶ Information requested in the bulletin was minimized
- ▶ Stakeholder meetings on resolution of issue (Short- and Long-term)
- ▶ Inspection, Assessment, and Repair methods must be developed to manage this issue

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## **STEPS TO SUPPORT REGULATORY ACTION**

- **Brief NRR Leadership Team - 9/20/01 (Complete)**
- **Brief NRR Executive Team - 9/26/01 (Complete)**
- **NRR Management Phone Calls w/ Licensees' - 9/28/01 (Complete)**
  - ▶ **Robinson 2**
  - ▶ **Davis-Besse**
  - ▶ **North Anna 2**
  - ▶ **Surry 2**
- **Brief Executive Director for Operations - 10/2/01**

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- **Brief Commission Technical Assistants - 10/3/01**
- **Brief Committee to Review Generic Requirements - 10/11/01**

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