



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: 18th 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.

G-1
1
MMA

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

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 Proposed ?
	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
Surry 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 ****
Surry 2	Fall 2000	***	03/2002	NO	Qual. Visual - 100%	OK	5.3E-3	YES **

EX 4

* 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.

NEXT REGULATORY ACTION

- Adequate Protection
 - ▶ Special Circumstance
 - ▶ Risk
 - ▶ Deterministic Standards

- Regulatory Action
 - ▶ Phone call with Licensee
 - ▶ Meeting with Licensee
 - ▶ Implement Regulatory Action

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

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