

**From:** Jacob Zimmerman *NRR*  
**To:** Barrett, Richard; Bateman, Bill; Eltawila, Farouk; Hiser, Allen; Jung, Ian; Kalinousky, Douglas; Kotzalas, Margie; Lee, Andrea; Long, Steven; Medoff, James; Reinhart, F. Mark; Strosnider, Jack; Wichman, Keith; Zwolinski, John  
**Date:** Mon, Sep 24, 2001 12:06 PM  
**Subject:** Draft Slides for 9/25/01 ET Briefing on Bulletin 2001-01

Please review the attached slides and provide me with your comments by COB today.

I have reserved room O-4B8 at 9:00 a.m., tomorrow (9/25), for a "Pre-ET Briefing" meeting.

The purpose of the meeting is to finalize the presentation for the ET briefing.

Thanks,  
Jake

E-10

**NRR Executive Team Meeting****-Tentative-****Tuesday, September 25, 2001****2:00 p.m. - 2:30 p.m.****Room: TBD**

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**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

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**Success:**

- 1) ET understands the results of the staff's review
- 2) ET Alignment on the next Regulatory Action

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<b>Introduction:</b>	Jake Zimmerman	2:00 p.m. - 2:05 p.m.
<b>Discussion of Reviews:</b>	Allen Hiser	2:05 p.m. - 2:15 p.m.
Discussion of Next Regulatory Action(s):	Rich Barrett	2:15 p.m. - 2:25 p.m.
Closing Remarks:	Jack Strosnider	2:25 p.m. - 2:30 p.m.

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Type of Meeting: Decision Making

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## PROCESS/STATUS/SCHEDULE

### Actions 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
  - Plant 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

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

Ex 4

**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
North Anna 1	02/1996	ID NDE - 31%	09/2001	OK	Qual. Visual (100%) & ECT/UT	OK	6.6E-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
Robinson	04/2001	Eff. Visual - 100%	[REDACTED]	NO	Qual. Visual - 100%	OK	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%	OK	6.6E-3	YES ***
Surry 2	Fall 2000	****	03/2002	NO	Qual. Visual - 100%	OK	5.3E-3	YES ***

\* Conditional core damage probability.

\*\* Prior examination was not qualified - licensee is performing qualification determination for [REDACTED] RFO.

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

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

## **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 Provided to Date Does Not Provide a Sufficient Technical Basis to Show That Conditions Adverse to Quality Are Being Effectively Managed
- **Increase Public Confidence**
  - Disciplined and Timely reviews of plant-specific responses
  - Participation at public meetings via telephone
  - Maintaining current information on Bulletin 2001-01 & Alloy 600 Web Sites
- **Make NRC activities and decisions more effective, efficient, and realistic**
  - Reviews prioritized based on susceptibility ranking and plant outage schedules
  - Use of Risk Insights
- **Reduce Unnecessary Regulatory Burden**
  - Information Request in The Bulletin Was Minimized
  - Stakeholder Meetings on Resolution of Issue (Short- and Long-term)
  - Additional Cracking Should Be Anticipated
  - 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 - 9/25/01
- Brief Committee to Review Generic Requirements
- Brief Executive Director for Operations

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- **Brief Commission Technical Assistants**

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~~-Backup Slide-~~

## **PROCESS/STATUS/SCHEDULE (cont.)**

### **Action Items Remaining**

Staff will conduct limited discussions w/ licensees for clarification of responses

Staff will prepare a report which provides a summary of licensee responses and staff assessment

Staff will prepare letters to each licensee to close out the Bulletin responses

Staff will continue to pursue next Regulatory Action(s)

Finalize TI web-based inspector guidance

Bulletin specific web page on external NRC web site

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All of the above items will be worked in parallel and targeted for completion by October 1, 2001.

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