

DAILY STATUS REPORT

RE: UNRESOLVED RESPONSES TO THE BULLETIN 2001-01 FOR HIGH SUSCEPTIBILITY PLANTS AND THOSE PLANTS THAT HAVE EXPERIENCED VHP NOZZLE CRACKING

NOVEMBER 20, 2001

4:00 P.M.

Davis-Besse

Licensee Plans/Commitments: [PM - Please reference when and how the plans/commitments were made (meeting, call, etc.) and schedule for docketing commitment]

NRC Staff Position: The risk assessment of the Davis-Besse was reviewed, and the staff found that the methodology employed by the licensee appears to be reasonable except in two areas. The inspection credits for 1996, 1998 and 2000 inspections and the probabilistic fracture mechanics on crack initiation-propagation are unresolved due to inadequate data and ambiguity to support the risk numbers employed in the submittal.

Next Regulatory Action: The Order was finalized and forwarded by memo dated November 16, 2001 from S. Collins, Director, NRR to W. Travers. A memo from W. Travers, EDO to the Commissioners is in process for concurrence. The Order would be issued no sooner than 5 working days from the date of the EDO memo forwarding the Orders to the Commissioners.

Meetings & Conf. Call Summaries:

[PM - please provide dates and a brief summary, including questions, supplemental information requested and dates for submittal. For upcoming meetings, please include date, time, location, and purpose of meeting]. Please note - all conference calls and meeting summaries (current practice) must be docketed.

D. C. Cook, Unit 2

Licensee Plans/Commitments: [PM - Please reference when and how the plans/commitments were made (meeting, call, etc.) and schedule for docketing commitment]

NRC Staff Position: The staff has raised several questions to clarify some risk-related issues during previous conference call. Today the staff met with licensee representatives on those questions and other CRDM-related issues. Based on the licensee submittal in response to the Bulletin and on today's meeting, the staff found that the methodology employed by the licensee appears to be ambiguous. Additionally, the staff did not find any logical basis or data to support the PRA calculations, particularly leak frequency and propagation of a crack leading to CRDM failure. The equation employed for the leak frequency was not conservative, and the engineering judgement employed for the LOCA events were not consistent with probabilistic fracture mechanics. As a minimum, staff did not see the clear connection between the fracture mechanics and the engineering judgement. The 1994 inspection credit was not clearly explained to make a final assessment. Notwithstanding the aforementioned, the SPSB staff believes

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that considering all of the ambiguity and uncertainty, the risk numbers appear to be within the order of the acceptable Regulatory Guide 1.174 criteria and the acceptable guide of the temporary risk increase given in NUMARC 93-01, Revision 2 for the integrated core damage probability (ICDP) for the January 19, 2002 shutdown.

Next Regulatory Action: The staff is finalizing the Order which was referred to in the memo dated November 16, 2001 from S. Collins, Director, NRR to W. Travers. The staff intends to have the Order ready to issue with the Order Davis-Besse

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3 Calls were held on 11/15/01.

A meeting is scheduled for 11/20/01.

North Anna, Units 1 and 2

Licensee Plans/Commitments: Licensee committed to docketing information to qualify the inspections being conducted at both plants. [PM - schedule for docketing commitment]

NRC Staff Position: The staff is reviewing the response submittal, and it appears that the quantitative risk argument is not included.

Next Regulatory Action: None planned at this time.

Meetings & Conf. Call Summaries:

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Surry, Units 1 and 2

Licensee Plans/Commitments: Licensee committed in a telephone conversation with the ADPT on 11/2/01 to shutdown Surry 2 prior to 12/31/01 to conduct inspections similar to those conducted at North Anna, Unit 1 and Surry, Unit 1. Licensee also committed to docketing information to qualify the inspections being conducted at both plants. [PM - schedule for docketing commitment]

NRC Staff Position: [EMCB - Please provide input] .

Next Regulatory Action: None planned at this time.

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CURRENT VHP NOZZLE INSPECTIONS/RESULTS
NOVEMBER 16, 2001
4:00 P.M.

[PM (lead)/EMCB (provide assistance as needed)]

- North Anna, Unit 2**

- Surry, Unit 1**

- Surry, Unit 2**

- TMI-1**

- Oconee, Unit 3**

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