

June 26, 2002

MEMORANDUM TO: File (Davis-Besse)

FROM: Douglas V. Pickett, Senior Project Manager, Section 2 /RA/
Project Directorate III
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION - SUMMARY OF
NUCLEAR REGULATORY COMMISSION (NRC) ACTIVITIES FOR THE
WEEK OF MAY 27, 2002, RE: CONTROL ROD DRIVE MECHANISM
NOZZLE PROJECT (TAC NO. MB4799)

May 28:

Attachment 1 is the licensee daily status summary, which is used as the agenda for the daily status call. Included in the agenda was Phase 3 of the Davis-Besse Reactor Head Sample Characterization. Highlights of the telecon included:

- Licensee plans to ship the cavity cut out of the reactor pressure vessel (RPV) head to Framatome in Lynchburg, Virginia, this week.
- We discussed the Phase 3 sample plan and the licensee's intention of sectioning (i.e., cutting) the cavity that was removed from the RPV head. We agreed that NRC staff will meet with FirstEnergy Nuclear Operating Company and Framatome staff in Lynchburg on Thursday, June 13, 2002, to witness the cavity and decide how to section the cavity.
- We approved Step 1a of the Phase 3 sample plan. Further approval to proceed will take place on June 13, 2002, in Lynchburg.
- Licensee is preparing a formal letter requesting staff to suspend activities concerning repair of the RPV head.
- We discussed the request for additional information from Region III (May 6) concerning the safety significance assessment. The licensee sought guidance for question 1D on how to model cavity growth. We agreed that they should model the cavity growth similar to the as-found condition as described in the root cause report (i.e., growth rate twice as long in the downhill or length direction as compared to the width).
- Licensee to resend the actual dimensions of the cavity.
- Analyses of Phase 1 boron deposit samples are complete. Licensee expects to submit full report later this week.
- We agree that future telecons will be conducted only as necessary.

Participants included:

Allen Hiser	Tim Steingass	Bill Cullen	Mike Marshall
Stephanie Coffin	Steve Long	Carol Moyer	Mike Switzer
Jay Collins	Ed Andruszkiewicz	Ken Chang	Steve Bloom
Tony Mendiola	Terence Chan	Doug Pickett	

May 30:

Attachment 2 is a sketch provided by the licensee of the exposed cladding. This was requested by the staff to be used by our contractors in modeling failure modes of the RPV head.

May 30:

Attachment 3 includes questions prepared by the Nuclear Reactor Regulation (NRR) & Research (RES) staff concerning the Safety Significance Assessment which were previously provided to the licensee. A telecon was held to discuss the questions. The licensee indicated they would provide responses to the questions by May 31, 2002, and indicated a telecon next week could be used to discuss their responses. During the telecon with contractors connected, discussion focused on a 1972 American Society of Mechanical Engineers (ASME) publication on Constrained Disk Burst Tests.

Participants included:

Keith Wichman	Allen Hiser	Wally Norris	Ken Chang
Steve Long	Steve Bloom	Carol Moyer	Mike Switzer
Simon Sheng	Doug Pickett		

May 31:

Attachment 4 is the licensee's draft response to the staff questions (Attachment 3 discussed above). Included as Appendix B is the ASME publication on Constrained Disk Burst Tests discussed above.

Docket No. 50-346

Attachments: 1. Agenda for May 28, 2002, telecon
2. Sketch of exposed clad dimensions
3. NRR/RES Questions on Safety Significance Assessment
4. Draft response to NRR/RES Questions on Safety Significance Assessment

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