

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 ACTIVITIES FOR THE  
WEEK OF APRIL 8, 2002, RE: CONTROL ROD DRIVE MECHANISM  
NOZZLE PROJECT (TAC NO. MB4479)

April 8:

Attachment 1 is the licensee daily status summary, which is used as the agenda for the daily status call. Attached is a diagram of Nozzle No. 2 metal loss and the licensee's sample characterization. Items discussed during the telecon included:

- Extent of condition walkdowns to begin April 11.
- Safety Significance Assessment for as-found condition complete.
- Nozzle 11 has been removed.
- Openings being made into service structure; insulation being removed. Making dental impression to assist in water cutting.
- Root Cause Meeting tentatively set for April 24.

Participants included:

Keith Wichman	Ken Karwoski	Allen Hiser	Andrea Lee
Jim Davis	Steve Long	Bill Cullen	Tony Mendiola
Terence Chan	Ed Andruszkiewicz	Tim Steingass	Doug Pickett

April 9:

The Advisory Committee on Reactor Safeguards (ACRS) subcommittee on materials and metallurgy and subcommittee on plant operations met and discussed the Davis-Besse issue. Attachment 5 includes the slides presented.

April 10:

A public meeting was held at Headquarters to discuss the proposed repairs and modifications to the reactor pressure vessel (RPV) head at Davis-Besse. Attachment 6 includes the slides presented at the meeting. Following the meeting, the licensee prepared a listing of questions and answers taken during this meeting. Attachment 7 includes the questions and answers as provided by the licensee.

April 11:

The ACRS met and discussed the Davis-Besse issue. Attachment 2 includes the slides presented by the licensee at the ACRS meeting. Attachment 3 includes the slides presented by the MRP at the ACRS meeting.

April 12:

Attachment 4 is the licensee daily status summary, which is used as the agenda for the daily status call. Items discussed during the telecon included:

- Proprietary root cause report predicted to be 150 pages.
- Licensee and staff now sensitive regarding quarantine control program. Five boron deposit samples in Lynchburg at Framatome facility. Licensee working on controls necessary for staff approval for shipping.
- There will be two mock-ups for the repair plan. Licensee intends to learn using first mock-up and perform the second mock-up repair without flaws. Battering to be performed in Lynchburg and welding to be performed in Atlanta.
- Licensee looking to perform repairs on Nozzle 46 similar to Nozzles 1,5 & 47.
- Some boron still on RPV head. It is characterized as a glaze. As low as reasonably achievable concerns preventing complete cleaning at this time.
- Still discussing exact size/location of cut of Nozzle 3 cavity.
- We inform licensee that we would like to obtain specimens from Nozzle 3 cavity and perhaps additional samples for national labs.

Participants for the call included:

Bill Bateman	Terence Chan	Andrea Lee	Bill Cullen
Ken Karwoski	Beth Wetzel	Tim Steingass	Steve Bloom
Doug Pickett			

Docket No. 50-346

- Attachments:
1. April 8 licensee status summary with diagram of metal loss for Nozzle No. 2 and sample characterization (4 pages)
  2. Slides presented by the licensee at April 11 ACRS meeting (26 pages)
  3. Slides presented by the MRP at April 11 ACRS meeting (13 pages)
  4. April 12 licensee status summary (1 page)
  5. Slides presented at the April 9 ACRS subcommittee meeting (18 pages)
  6. Slides presented at public meeting on April 10 (30 pages)
  7. NRC Questions and Comments/Responses (April 10, NRC/FE Mtg)

April 12:

Attachment 4 is the licensee daily status summary, which is used as the agenda for the daily status call. Items discussed during the telecon included:

- Proprietary root cause report predicted to be 150 pages.
- Licensee and staff now sensitive regarding quarantine control program. Five boron deposit samples in Lynchburg at Framatome facility. Licensee working on controls necessary for staff approval for shipping.
- There will be two mock-ups for the repair plan. Licensee intends to learn using first mock-up and perform the second mock-up repair without flaws. Buttering to be performed in Lynchburg and welding to be performed in Atlanta.
- Licensee looking to perform repairs on Nozzle 46 similar to Nozzles 1,5 & 47.
- Some boron still on RPV head. It is characterized as a glaze. As low as reasonably achievable concerns preventing complete cleaning at this time.
- Still discussing exact size/location of cut of nozzle 3 cavity.
- We inform licensee that we would like to obtain specimens from Nozzle 3 cavity and perhaps additional samples for national labs.

Participants for the call included:

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\*See previous concurrence