

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 MAY 13, 2002, RE: CONTROL ROD DRIVE MECHANISM NOZZLE
PROJECT (TAC NO. MB4799)

May 13:

Attachment 1 is the licensee daily status summary, which is used as the agenda for the daily status call. Highlights of the telecon included:

- The licensee's letter of April 30, 2002, provided responses to the staff's 32 questions on the original four-page root cause summary report. The licensee committed to provide additional information to question #24 by May 15. This is on schedule.
- During the May 7, 2002, Root Cause meeting, the licensee described four phases of degradation. The staff asked when Nozzles 2 & 3 entered each phase. The licensee is to respond this week.
- The licensee signed a letter of intent with Consumers Power on May 9, 2002, to purchase the Midland Unit 2 reactor pressure vessel (RPV) head. They are performing radiographs this week on the flange-to-head weld.
- We will conduct a conference call next week to discuss Simon Sheng's questions on the RPV repair plan. His questions have been emailed to the licensee.
- Licensee reiterated their commitment to submit an addendum to the Safety Significance Assessment report by June 7, 2002.
- Licensee requested a telecon with Office of Research to better understand why their confirmatory analyses of safety margins differ by a factor of two with the licensee's assessment.
- Licensee reiterates their commitment to submit control rod relocation plan by May 22, 2002.
- Cutout of Nozzle 3 and 11 (17-inch diameter hole) in RPV head began today.
- Licensee requests approval for Phase 3 sample characterization plan this week.

May 14:

Attachment 2 is an email from Allen Hiser that provides Bill Bateman's comments on Phase 3 sample characterization plan which was emailed to the licensee. We approved Item 1 with comments and shipping of the Nozzle 3 cavity area.

May 15:

Attachment 3 is the licensee daily status summary, which is used as the agenda for the daily status call. Highlights of the telecon included:

- The weld radiographs at Midland are currently ongoing. Welds will be completed by the end of the week and results are expected this coming weekend.
- The licensee expects to make their decision regarding replacing the RPV head with the Midland head early next week.
- The staff has previously emailed their comments on the proposed repair plan. We intend to hold a conference call on the questions next week.
- The licensee asked if there would be additional questions. We said that additional questions would focus on Relief Requests A23, A24 and A25. Questions on A23 and A24 are expected to be ready by May 16, 2002.
- The licensee acknowledged receipt of the NRR/Research questions on the Safety Significance Assessment (submittal of April 8, 2002). The licensee requested a telecon sometime next week to discuss. This may change licensee's plans to submit addenda to Safety Significance Assessment by June 7, 2002.
- Licensee said the 17-inch diameter cut of the RPV head went very smoothly. Mark McLaughlin said his personal inspection did not reveal any delamination between clad and ferritic steel. Mark indicated that dye penetrant tests would not likely be useful due to the agate on the cavity.
- The confirmatory action letter has been revised and signed by Jim Dyer. It is being faxed to the licensee today.

May 15:

Attachment 4 is the licensee's milestone schedule for replacing the RPV head with the Midland head. It was a hand-out during the licensee's morning management meeting and provided by the resident inspector office.

May 16:

Attachment 5 is an email from the licensee responding to staff questions asking when Nozzles 2 & 3 entered the four stages as described in the May 7 Root Cause public meeting.

May 17:

Attachment 6 is an email from staff providing additional opinion regarding qualifications of licensee personnel performing extent of condition walkdowns.

Docket No. 50-346

- Attachments:
1. May 13, 2002, licensee status summary (4 pages)
 2. E-mail from A. Hiser to A. Mendiola et. al., dated May 14, 2002, RE: Phase 3 of the Davis-Besse Reactor Head Sample Characterization (1 page)
 3. May 15, 2002, licensee status summary (2 pages)
 4. Licensee Milestone Schedule for replacing the RPV head with the Midland head (3 pages)
 5. E-mail from D. Wuokko to D. Pickett dated May 16, 2002, RE: Responses to Two NRC Questions following the Root Cause Analysis Presentation (2 pages)
 6. E-mail from W. Cullen to A. Mendiola et. al., dated May 17, 2002, RE: Boric Acid Corrosion Extent of Condition Throughout RCS (2 pages)

May 17:

Attachment 6 is an email from staff providing additional opinion regarding qualifications of licensee personnel performing extent of condition walkdowns.

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*See previous concurrence