

December 16, 2002

MEMORANDUM TO: Davis-Besse Nuclear Power Station IMC 0350 Panel

FROM: John A. Grobe, Chairman, IMC 0350 Oversight Panel **/RA/**

SUBJECT: MINUTES OF INTERNAL MEETING OF THE DAVIS-BESSE
OVERSIGHT PANEL

The implementation of the IMC 0350 process for the Davis-Besse Nuclear Power Station was announced on April 29, 2002. An internal panel meeting was held November 07, 2002. Attached for your information are the minutes from the internal meeting of the Davis-Besse Oversight Panel and the "Open" Action Items List.

Attachment: As stated

cc w/att: S. Rosenberg, OEDO
W. Dean, NRR
A. Mendiola, NRR
S. Bloom, NRR
J. Dyer, RIII
J. Caldwell, RIII
G. Grant, RIII
S. Reynolds, RIII
C. Lipa, RIII
D. Hills, RIII
D. Simpkins, RIII
J. Jacobson, RIII
S. Burgess, RIII
R. Lickus, RIII
S. Thomas, RIII
M. Holmberg, RIII
DB0350

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|--------|----------|----------|----------|--|
| OFFICE | RIII | RIII | RIII | |
| NAME | DPassehl | CLipa | JGrobe | |
| DATE | 12/04/02 | 12/05/02 | 12/16/02 | |

OFFICIAL RECORD COPY

MEETING MINUTES: Internal IMC 0350 Oversight Panel Meeting
Davis-Besse Nuclear Power Station

DATE: November 7, 2002

TIME: 8:00 a.m. Central

ATTENDEES:

| | |
|-------------|-------------|
| J. Grobe | C. Lipa |
| B. Dean | S. Thomas |
| T. Mendiola | D. Passehl |
| J. Hopkins | D. Simpkins |
| J. Jacobson | M. Holmberg |
| J. Collins | |

Agenda Items:

1. Discuss Plant Status and Inspector Insights

Critical Path Items

- Reactor Coolant Pump work: Motor and Impeller refurbishment on RCP 1-1 and RCP 1-2. Work continuing on removing RCP 1-1 motor and interference on RCP 1-2.
- Emergency Sump work: Rebar finder training initiated for drilling of Hilti bolt holes.

General Work Items

- Old reactor vessel head on Temporary Storage Pad in self contained metal housing structure.
- Deep Drain of Reactor Coolant System to 11" above hot leg centerline level on schedule for next week. Over 79 valves require work during this operations window.
- Component cooling water tubing being connected to CRDM's on the new reactor vessel head.
- High Pressure Feedwater Heater 1-6 retubing half way complete.
- Station Air Compressor #2 inboard bearing wiped during restart operational test after offsite refurbishment of motor.
- 869 condition reports are outstanding on Containment Health Restart Actions

A licensee system engineer stated that performance of the ILRT is unlikely by Thanksgiving time frame due largely to a new procedure requiring approval.

Reactor Vessel Underneath Inspection requirements determined by the licensee to be fulfilled by normal operating pressure and temperature test (NOP/NOT). Bill Dean to determine NRR agreement status on inspection plans. Jack Grobe to determine need and then establish meeting on Reactor Vessel Underneath Inspections. Meeting agenda to focus on results from Framatome report, inspection type options, licensee

option, licensee approach and schedule, and 10CFR50.65(a)(4) risk management discussion.

2. Discuss Process Plan

Davis-Besse Oversight Panel discussed the general mechanics of the process plan. Decision was reached to allocate additional time for individual review prior to the November 19 internal meeting.

3. Discuss Action Items

All open action items were discussed by the Davis-Besse Oversight Panel. Items of note follow:

- Action Item 24a: Letter required from NRR on head quarantine status. Upon review of letter Region III will issue a letter to clear CAL item. Additionally new action item 122 created for Anthony Mendiola to review meeting minutes on quarantine status by NRR to determine pre-decisional status for release to public.
- Action Item 26: D Passehl to draft an inspection schedule letter.
- Action Item 54a: Item delayed. Waiting for draft with specific information. Item reassigned to Anthony Mendiola.
- Action Item 72: Christine Lipa will not attend LLTF Public meeting on November 20, 2002. Christine Lipa will follow up with LLTF on November 21, 2002, for review of safety issues and/or new items.
- Action Item 73: Dave Passehl to send email indicating Davis-Besse Oversight Panel assistance will be available for updating MC 0350 Inspection Process during the first quarter of 2003.
- Action Item 74: A top ten item list will be created to prioritize strategy.
- Action Item 82: Item Closed
- Action Item 88: Item delayed. F. Mark Reinhart is currently rewriting the draft for incorporation of additional input from Steven Long. Due date of 11/30 from NRR to Region III.
- Action Item 89: "Feeder" report up to Theodore Quay for concurrence.
- Action Item 97: Panel Discussion on adding Bulletin responses and acceptance as Restart Items. Further research and discussion required for consensus.
- Action Item 98: Item Closed.

- Action Item 99: Items to be discussed for RAM inclusion of all 95002/95003 attributes on November 8, 2002, by J. Jacobson and C. Lipa. Items to be discussed at next internal meeting.
- Action Item 102: Item Closed.
- Action Item 103: Item Closed.
- Action Item 107: Discussion held during meeting. Seven of nine items presented were under investigation by OI. Doug Simpkins to determine if item 6 of the AIT Followup Report will be followed up by OI for willfulness. Dave Passehl to email OI informing that the Davis-Besse Oversight Panel has reviewed the items and sees no further need for follow-up on willfulness on items 5 and 6 pending Doug's discussion with OI.
- Action Item 110: Panel discussed information from the licensee technical root cause and safety analysis. Item determined to be closed as additional licensee information detailing effects of crack in cladding will not add substantive information for the NRR Safety Assessment. However licensee submittal still anticipated and will be reviewed for further significance.
- Action Item 114: Item discussed by Panel. Clarification on visitor status deemed necessary.
- Action Item 116: Item discussed and placed on agenda. A Pro/Con chart will be developed by Dave Passehl to be discussed at November 19, 2002 internal meeting.
- Action Item 117: Item Closed.
- Action Item 118: The photo book is complete but problems encountered in reproduction stage. Minor delay to schedule.
- Action Item 119: Description clarified.
- Action Item 120: Item Closed.
- New Action Item 121: Decision on appropriateness of visual inspection of lower vessel nozzles. Set up public meeting to discuss this and contingency plans for NOP/NOT.
- New Action Item 122: Memo to RIII on quarantine. RIII letter to licensee on CAL. Go through minutes for pre-decisional release through items.
- New Action Item 123: Discuss AIT follow up item on canceling Mode 3 walkdown.
- New Action Item 124: Memo on AIT follow up items.

- New Action Item 125: Review LLTF report for 0350 issues / SMRT team.
- New Action Item 126: Assigned to Jan Strasma for review of Davis-Besse/ Reactor Vessel Head Degradation web site content for ease of use by the public.

4. Discuss AIT Followup Report

Dave Passehl presented to the Davis-Besse Oversight Panel (DBOP) the AIT Followup Report on Potential Office of Investigation (OI) Issues. Nine items were identified by the review as potential OI issues. Seven of the nine were under investigation by OI. Items 5 and 6 were discussed by the DBOP. No further follow-up was identified as being necessary for OI on wilfulness issues related to items 5 and 6. OI will be informed of the DBOP's findings.

5. Discuss Inspection Schedule

Inspection schedule was discussed by the Davis-Besse Oversight Panel (DBOP). Item raised to draft a letter to licensee detailing expected baseline inspection schedules and keying other inspections to licensee actions.

6. Screen the following types of items for consideration as issues for inclusion into the Restart Action Matrix. Consider whether the issue will become critical path for restart.

Discussion by the DBOP concluded that a Pros/Cons list should be developed for an issue for the Restart Checklist. Plans are for the list to be developed and presented at the next DBOP internal meeting.

7. Discussion of Licensing Issues and Actions

The Davis-Besse Oversight Panel (DBOP) discussed the latest licensee LER's. The Emergency Sump LER submitted in abstract form consisting of 12 lines of text was generally considered substandard. The DBOP resolved to comment on this concern to the licensee. Region III personnel were tasked for additional research on reporting requirements and if the licensee is meeting those standards.

8. Discuss/Update Milestones and Commitments

General site visits were discussed. Brian Sheron's visit was canceled. Sam Collins will be arriving 11/13 for a plant tour, inspection exit meeting and public meetings.

9. Miscellaneous items

The Gurdziel letter was discussed by the Davis-Besse Oversight Panel. Emphasis was placed on ensuring that items were tracked for resolution through the RAM.

In concluding discussions major upcoming items were discussed, Reactor Vessel Underneath inspections, licensee Safety Conscience Work Environment structure and action items from the LLTF report.

IMC 0350 Oversight Panel Action Items

| Item Number | Action Item (Date generated) | Assigned to | Comments |
|-------------|--|---------------------|--|
| 24a | Discuss making information related to HQ/licensee calls publicly available | Panel | Discuss by June 30, after safety significance assessment complete. 6/27 - Invite Bateman to panel mtg. To discuss what else is needed to closeout the CAL (i.e. quarantine plan). 7/2 - NRR not yet ready to discuss. 7/16 - See if procedures have changed on CAL closeout - does JD need to send letter? 7/18 - Discussed - is there an applicable regional procedure? 8/6 - Discussed. Need to determine the final approach on the core removed from the head and the final approach on the head before the quarantine can be lifted. 8/22 - Revisit action item after letter sent to licensee confirming plans with old vessel head (head may be onsite longer than originally anticipated) 8/29 - Memo to be sent to Region, with a letter to go out next week. 10/01- Discussed. 1) Conduct NRC staff survey-due 10/7 2)Memo to NRR - due 10/11 3) Region to issue letter 11/07- Letter required from NRR on head quarantine status. |
| 26 | Provide licensee with inspection schedule | Panel/ D Passehl | 7/16 - pending 7/18 - J. Jacobson working - will follow issuance of restart checklist. Est due date 8/2 to include scheduled and TBD inspections. 8/22 - System health dates now set - will likely send out schedule next week. 8/27 - Discussed - on track to send out next week. 8/29 - discussed, on track. 10/1 - Discussed. Issue schedule 11/7 - D Passehl to draft an inspection schedule letter. |

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| 54a | Review TSP amendment and advise the panel on the need for a TIA on Davis-Besse (7/2) | D. Pickett | 7/9 - Discussed. Will wait for response from licensee. 7/16 - Discussed - added action item 54b. 8/6 - Sent to the licensee on 7/22 and a response is due by 8/22. 8/22 - Discussed - need to check if response has been received. 8/27 - Received response - DRS is reviewing - will fax to NRR for 54b. 8/29 - Discussed, DRS report of response to be issued to panel prior to item 54b. 10/1 - Discussed. DRS coordinating with NRR 11/07 - Discussed - On hold for draft with specific information. |
| 54b | Initiate correspondence w/NRR to evaluate generic implications (7/16) | T. Mendiola | 7/18 - Memo will be sent to Hannon's group. 8/6 - Discussed - not yet issued. 8/13 - Discussed - need info from 54a first. 10/1 - Discussed. Forward to B. Bateman - due 10/18. |
| 71 | Discuss review and documentation of the Technical Root Cause and determine if the action is in NRR's work management system. (8/6) | Sands Dean Panel Lipa | 8/6 - Invite to 8/13 mtg. 8/13 - Discussed. S. Coffin to provide feeder to Lipa regarding conclusions due 8/30 draft. 8/22 - Discussed - NRR will email draft for review/ need to determine how final input should be sent from NRR to RIII. 8/27 - Discussed draft input and process for formal transmittal from NRR to RIII. 8/29 - Deferred to 9/5 meeting. 9/18 - On hold due to crack 10/1 - Discussed. Rec'd and under review 10/8 - NRR to forward Revision 1 to Region III 10/15 - Discussed. |

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| 72 | Review LLTF observations and determine appropriate closeout. (8/6) Review for safety issue/ AMS/OI/new items. | Lipa/Passehl | 8/13 - Discussed. Items reviewed for allegations. No new allegations identified. Info related to ongoing investigations will be forwarded to OI. 8/22 - Discussed - need to keep this item open as a reminder to consider outstanding LLTF items. 8/29 - Discussed - leave open. 10/1 - Discussed. 10/8 - Discussed. Report to be discussed 11/20 Lipa to attend public meeting |
| 73 | Send feedback form on IMC 0350 procedure to IIPB (8/6) | Lipa Mendiola | 8/6 - Generate feedback after panel meetings reduced to once per week. 8/29 - Discussed - no change. 10/1 - Discussed. 11/7 - D Passehl sent email to C Carpenter and D Coe indicating that we would be able to perform a review of the draft IMC 0350 during the first quarter of 2003. |
| 74 | Matrix strategy for UCS and other requests. (8/8) | Lipa | 8/13 - Discussed. 8/22 - Discussed - matrix is being developed will send out for review when ready. 8/29 - Discussed - matrix has been started. 10/1& 10/15 Discussed. 11/07 - A top ten list will be created to prioritize strategy |
| 82 | Circle back with LLTF to put their observations into context (8/8) | Grobe | 10/1& 10/15 - Discussed. Related to Item 72. 11/07 - Item closed. |
| 83 | Verify results of ongoing research related to the technical root cause evaluation has not changed NRC/DE conclusions (8/13) | Panel Coffin | Longer term item |

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| 85 | Send letter/action plan to the licensee regarding actions required to be completed to close CAL item related to quarantine (8/20) | Dean (DE) Hopkins | 8/22 - Discussed - NRR will send draft to RIII by 8/30. 8/27 - Discussed - letter being drafted and should be ready next week. 9/19- On hold due to crack - get letter out to licensee re: from Mode 3 to Mode 2. 10/8 - Discussed. Memo is with Mendiola at the start of concurrence review. 10/15 - Discussed, waiting for res. |
| 88 | Develop draft proposal on how to assess significance/respond to TIA (8/20) | Burgess | 8/27 - Working to a due date of 8/30 to present to the panel next week. 10/1 - Discussed. 11/07 -M. Reinhart rewriting draft. Due from NRR to RIII 11/30. |
| 89 | Provide report input on Framatome inspection of records for the new vessel head (8/27) | R. McIntyre M. Holmberg | Will be feeder to Mel's need for 9/17 public mtg. 9/17 - Plan to send this week to Mel. 9/24 - Report expected out next week. 10/8 - Discussed. "Feeder" report had been received, Mendiola to review. 11/07 - "Feeder" report up to T. Quay for concurrence. |
| 90 | Response to feedback form from 8/20 Public Meeting (8/29) | J. Strasma | |
| 91 | Call McClosky to discuss docketing Return to Service Plans (9/3) | Lipa | 9/17 - Called - need to check back. 10/1 - Discussed. Jack to discuss with L. Myers |
| 95 | Interpret CAL & TS and define which mode change needs approved (9/5) | Lipa Thomas | 10/1 - Discussed. |
| 96 | Ongoing phase 3 observations of management and human performance following restart (9/5) | Lipa | |
| 97 | Bulletins 2002-01 and 2002-02 response and acceptance (9/5) | NRR | 11/07 - Discussed, further research and discussion required. |

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| 98 | Poll staff for differing opinions (9/5) | Panel | Incorporate into Process Plan 10/1 - Discussed. 11/07- Item closed. |
| 99 | Bring to panel all 95002/95003 attributes (9/5) | Jacobson/ Lipa | 9/24 - Decision for C. Lipa to discuss item with J. Jacobson. 10/1 - Discussed. Due 10/11. 10/15 - Discussed. 11/07 - RAM item inclusion for discussion at 11/19 panel meeting |
| 102 | NRR Approval of Concern 3 for Licensee Investigation Report for Allegation No. RIII-02-A-0110 (9/12) | Mendiola | 10/1 - Discussed. TSP calculations under 54a and 54b address this concern. 11/07 - Item closed. |
| 103 | Issue 3 memos to staff - forward emails to DB0350/RES/NRR/RIII (9/17) | Dean/Grobe | 10/8 - B.Dean has action to verify RES included in the inquiry. 10/15 RIII has action also 11/07 - Item closed |
| 107 | When AIT F/U IR is issued, consider item on records& communication accuracy (9/17) | Panel | 10/1-Discussed 11/07 - Report discussed. D. Simpkins to determine if item 6 will be followed up by OI. D.Passehl will inform OI panel has reviewed items and sees no further need for follow up actions on items 5 & 6 |
| 110 | Determine when licensee will docket technical root cause and determine when the safety analysis will be delivered to the NRC (9/19) | J. Hopkins | 10/1- Discussed. 11/07 - Panel discussed information from the licensee technical root cause and safety analysis. Item determined to be closed as additional licensee information dealing with the effects of cracks in the cladding will not add substantive information for the NRR Safety Assessment. |
| 112 | Contact Nora (Myers secretary) to explain feedback and establish future ROP dates(9/19) | C. Lipa | 10/1- Discussed. 10/8 - Dates for Oct. 16 & Nov. 13 final, working on December, January, February & March. 10/15-Discussed. Grobe prefers Tuesdays for the months ahead. |

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| 113 | Remove UCS representative from service lists 90 days after DD is issued (9/24) | C. Lipa/ A.Mendiola | 10/1- Discussed |
| 114 | Details of expected visit to site (9/24) | Hopkins/ Sheron | 10/1 - Discussed. 10/8 - Discussed, Due 10/15. 10/15 - Discussed. 11/07 -Clarification on visitor status deemed necessary |
| 116 | Inform licensee that completeness and accuracy of records issue may be added to restart checklist (9/24) | Grobe | 10/1- Discussed 11/07 - A PRO/CON chart will be developed by D.Passehl to be discussed at 11/19/02 panel meeting |
| 117 | Provide a report on all licensing actions for DB to the DB Oversight Panel (9/24) | Hopkins | 10/1- Discussed 11/07 - Item Closed |
| 118 | Produce a photo view book that would have before and after photos of corrective maintenance items. (9/24) | Jorgensen | 10/1 Discussed 11/07 - Book is complete, and in reproduction stage. |
| 119 | Perform a specific review of the AIT follow-up inspection report to identify examples of incomplete or inaccurate information from the licensee, leading to a discussion with OI regarding their view of a need to bring such examples to an ARB. (10/01) (Clarified 11/7) | Passehl | Due 10/15 |
| 120 | Request ACRS for an update to determine the Committee needs and exact schedule. (10/15) | Hopkins | 11/07 Item Closed |

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| 121 | Decision on appropriateness of <u>visual</u> insp of lower vessel nozzles. Set up public meeting to discuss this and contingency plans for NOP/NOT (11/07) | Grobe | |
| 122 | Memo to RIII on quarantine. RIII letter to licensee on CAL. Go through minutes for pre-decisional release through items (11/07) | Mendiola Lipa Mendiola | |
| 123 | Discuss AIT follow up item on canceling Mode 3 walkdown (11/07) | Simpkins | |
| 124 | Memo on AIT follow up items (11/07) | Passehl | |
| 125 | Review LLTF report for 0350 issues / SMRT team | Mendiola/ Lipa | |
| 126 | Review Davis-Besse/Vessel Head Degradation web site content for ease of use by the public. (11/07) | Strasma | |