

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 19, 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	12/05/02	12/10/02	12/16/02	

**OFFICIAL RECORD COPY**

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

DATE: November 19, 2002

TIME: 1:00 p.m. Central

ATTENDEES:

J. Grobe	D. Passehl
T. Mendiola	G. Wright
B. Dean	S. Thomas
C. Lipa	D. Simpkins
J. Hopkins	J. Collins

Agenda Items:

1. Discuss Plant Status and Inspector Insights

- Reactor Coolant System (RCS) is in a deep drain condition with levels at 10" above the hot leg centerline. Approximately 80 valves are scheduled for maintenance during this arrangement of the RCS.
- Decay Heat Valve Pit modification remains in the design phase. Licensee contractor support will provide a streamlined package for a timelier completion of the project. That report is expected Friday.
- Resident Inspector exit on the previous Thursday. A 50.70 potential violation and improper evaluation of a Licensee Event Report were two issues presented. Two new LERs were opened, the Emergency Sump and Diesel Generator Tornado Missile Shield issues.

2. Discuss Management and Human Performance Inspection

Geoff Wright presented to the Davis-Besse Oversight Panel the status of the Management and Human Performance Inspection. The inspection team was on site in October but was unable to fully complete the inspection due to the licensee being incomplete on several topics. The Operations and Off-Site Committee Root Cause reports were not available for the October inspections. The Engineering Root Cause report was added by the licensee on suggestion by the inspection team.

With the information available, the inspection team was able to review parts of the Root Cause report and found the work partially successful. Additionally, the corrective actions were graded fair in the initial consideration of the inspection team. An integrated assessment was not conducted, and no procedure was found to perform an integrated assessment. These facts concerned members of the inspection team.

Davis-Besse Oversight Panel (DBOP) had active discussion on the inspection necessities for oversight responsibilities. B. Dean centered the dialog on additional inspection required for the DBOP to perform it's assessment. G. Wright provided

feedback that issues in engineering had not been addressed to the inspection team's satisfaction. The discussion concluded with the DBOP expecting to review the summary report of work completed to date by the inspection team.

G. Wright updated the DBOP on the future activities of the inspection team. A partial inspection report would be completed for DBOP review on activities completed to date. A formal exit meeting for the first report will be held during the 2<sup>nd</sup> week in December. The inspection team expects to be at the site for the 2<sup>nd</sup> or 3<sup>rd</sup> week in January to complete phase 1 of the inspection.

### 3. Discuss Restart Checklist

The Davis-Besse Oversight Panel (DBOP) discussed the proper method of assimilating the complete and accurate information issue into the Davis-Besse oversight process. A proposal was made to incorporate the issue as a separate entry in the Restart Checklist.

The proposal was supported by a general discussion of the criteria under MC 0350 for addition to the restart checklist and the possible severity rating for the complete and accurate information issue. Three of four criteria under the MC 0350 procedure for item addition to the Restart Checklist were identified as being met by this issue. The issue resulted in a cited violation. The issue resulted in a loss of the licensee's ability to maintain and operate the facility in accordance with the design and licensing basis. The issue resulted in a condition in which NRC management lacked reasonable assurance that the licensee can or will conduct its activities without undue risk to public health and safety. The severity of the issue potentially prevented the issuance of an order which would indicate an escalated enforcement action. These items, identified by the proposer, demonstrated that the complete and accurate information issue meet criteria for inclusion as a separate line item into the Restart Checklist.

The proposal was debated. The dissenting opinion was focused on difficulty to ensure that the issue will not reoccur, questions whether the issue would not have prevented degradation and public confidence in the NRC disposition of the issue.

A question was raised on the method the NRC would enact to ensure the licensee would provide complete or accurate information in the future. Difficulties in presenting and inspecting this method were discussed.

Questions on the effects of the complete and accurate information issue on the actual degradation of the reactor vessel head were raised. Individuals believed that although the issue did add to the depth of the degradation finding, it was not a contributor to the physical degradation of the head. The proposer stated the opinion that the issue had a significant role in leakage and degradation discovery, and merited inclusion to the checklist.

A question of public confidence in the overall disposition of this item was raised. An individual questioned the perceived effect of resolving part of the issue prior to the Office of Investigation completing its efforts in this area. The effects to the public perception within the issue of inaccurate or incomplete information might present NRC acceptance prior to complete NRC disposition of the issue. The proposer countered that while the OI investigation was ongoing, formal results may not be expected for a

year or two. Further, the issue could be separated from its willfulness aspect to assure the public that action was being pursued and public confidence would be increased.

Final resolution to the proposal was not reached. A recommended action from the dissenter of the proposal was inclusion of the item in the Restart Action Matrix or that the item was already fully covered by items from the AIT followup report. The item will be discussed during the 12/3 Davis-Besse Oversight Panel internal meeting.

4. Discuss Action Items

Item 24a: Letter is in Draft

Item 26: Letter is in Draft

Item 54a: Issue remains in hold.

Item 71: Closed

Item 72: Discussion scheduled for Friday 11/22

Item 90: Closed

Item 95: Ensure CAL update letter defines approval as change to Mode 2

Item 96: Transferred to RAM Item C-13

Item 118: Closed

Item 119: Closed

Item 123: Closed

New Item 127: Decision to be reached on the extent of the needs for resolution of the technical root cause.

New Item 128: J. Jacobson to assess if new items under allegations will interfere with acceptance of relief requests A27, A28 and A2.

5. Discuss Restart Action Matrix

The DBOP discussed what constitutes criteria for items to be added to the Restart Action Matrix (RAM). The effective use of the RAM was instituted as a punch list to ensure items were properly covered and documented. The items for inclusion were to be one step below items within the Restart Checklist. The categories of items were discussed as inspection unresolved items, licensee event report items requiring follow-up actions, significant findings and internal findings of the licensee. A discussion on the breath of these categories was discussed, but final agreement was not reached. Further discussion expected in the next internal DBOP meeting.

6. Discussion of Licensing Issues and Actions

An update was presented on licensing issues to the Davis-Besse Oversight Panel.

- A. MB1679, 4-1-01, Allows eight hours for SFAS & SFRCS channel functional testing before declaring channel inoperable. The technical specification branch is reviewing this item. Purpose is to ease surveillance. This is not a restart item.
- B. MB1689, 3-30-01, ECCS issue which the licensee is going to withdraw due to Decay Heat Valve Pit modification rendering this change unnecessary.
- C. MB3280, 10-12-01, 1.63% power uprate request is on hold due to NRC request for additional information. This item is not expected to be approved prior to restart.
- D. MB3281, 10-9-01, SFRCS instrumentation item will be withdrawn by the licensee to revise their submittal.
- E. MB3746, 12-17-01, Item deletes one Technical Specification action when single RPS channel is inoperable. Licensee sending in additional information at the end of November. This item was identified as a standard request and not a restart item.
- F. MB3749, 11-30-01, Reduce Pressurizer high level limit from 305 to 228 inches. Licensee has been operating with an administrative control of 228 inches. After DBOP discussion on this item, decision reached to check this item through inspection prior to restart. The item should be tracked using the Restart Action Matrix.
- G. MB3843 and MB3909, 1-11-02, IST 3<sup>rd</sup> 10-year program. Licensee due to submit additional information. This is not a restart item.
- H. MB5283, 6-4-02, TSTF-358, Rev 5, Revise requests for missed technical specification surveillance. This is not a restart item.
- I. MB5848, 8-1-02, Relief requests A26 & A27. This item required for restart.
- J. MB5849, 8-1-02, Relief request A2. This item required for restart.

Items 9 and 10 were noted to be under review by Dave Hill's branch for allegation correlation. DBOP informed reviewer's of sensitivity of these licensing issues.

7. Discuss Items for Licensee Weekly Calls

No items discussed

8. Discuss/Update Milestones and Commitments

Davis-Besse Oversight Panel (DBOP) discussed the Quarantine Letter for the old reactor vessel head and head cutout sample in BWXT facility in Virginia. Region III personnel requested that NRR and RES determine their requirement for a release free

and clear on a requirement to ensure licensee will complete Phase III analysis prior to release.

The DBOP discussed the Technical Root Cause problems which were still under development at NRC Headquarters. A decision may be required to formally differentiate what the DBOP needs versus NRR's needs.

The meeting on Monday between region III personnel and the licensee on the potential overexposure was discussed. A disagreement still exists between the NRC and licensee on the value of the overexposure. The input parameter for the air the individuals inhaled is the question of interest. All doses are normalized to equivalent Co-60. The scaling factors for this normalization must be determined. The licensee approach was found interesting by NRC staff, but not logical. This approach caused a difference from the licensee's finding of 5 Rem to the NRC's 80 Rem.

Upcoming meetings with the licensee on November 26, 2002 were discussed. The morning meeting is to cover the new sump design. Item on restart checklist but the NRC not required to approve this modification. The afternoon meeting is to discuss the incore nozzle potential leakage issue. The NRC asked for this meeting, invited Framatome and notified other B&W owners about the meeting. The purpose of the meeting will be Davis-Besse specific.

The ACRS briefing on Davis-Besse issue is scheduled for December 5, 2002. J. Grobe, B. Dean, A. Mendiola and J. Hopkins from the DBOP are expected to attend.

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	<p>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. 11/19 - Letter in draft</p>
26	Provide licensee with inspection schedule	Panel/ D Passehl	<p>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. 11/19 - Letter in draft</p>



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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. 11/19 - Closed

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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.
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
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
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, memo received 11/15.

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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	11/19 - Closed
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. 11/19- Will be defined as Mode 2 in CAL update letter
96	Ongoing phase 3 observations of management and human performance following restart (9/5)	Lipa	11/19 -Transferred to RAM Item C-13
97	Bulletins 2002-01 and 2002-02 response and acceptance (9/5)	NRR	11/07 - Discussed, further research and discussion required.
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

Item Number	Action Item (Date generated)	Assigned to	Comments
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
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.
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
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. 11/19 - Closed
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 11/19 - 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	11/19 - Closed
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	
127	Decision of the extent of the needs for resolution of the technical root cause (11/19)		
128	Assess new items under allegations will interfere with acceptance of relief requests A27, A28 and A2 (11/19)	Jacobson	