

December 16, 2002

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

FROM: John A. Grobe, Chairman, Davis-Besse 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 on December 3, 2002. Attached for your information are the minutes from the internal meeting of the Davis-Besse Oversight Panel and the "Open" Action Items List.

Attachments: As stated

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

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OFFICE	RIII	RIII	RIII	
NAME	DPassehl/klg	CLipa	JGrobe	
DATE	12/05/02	12/05/02	12/16/02	

**OFFICIAL RECORD COPY**

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

DATE: December 3, 2002

TIME: 1:00 p.m. Central

ATTENDEES:

C. Lipa	M. Holmberg
S. Thomas	A. Mendiola
J. Hopkins	D. Passehl
J. Jacobson	D. Simpkins

Agenda Items:

1. Plant Status and Inspector Insights

The Panel discussed the status of the draft Task Interface Agreement (TIA) submitted to NRR related to potentially nonconservative Technical Specification (TS) requirements associated with minimum trisodium phosphate dodecahydrate (TSP) inventory and maximum allowable unidentified leakage.

S. Thomas briefed the Panel on current site activities:

- Reactor coolant pump overhaul and emergency core cooling system sump work were underway. Drain-down of the reactor coolant system was completed to support refurbishment of 74 ECCS valves and to support the reactor coolant pump work.

- An update of major milestones was provided:

Begin core reload: 1/13/03

Mode 5: 1/18/03

ILRT: 1/25/03

Mode 4: 1/29/03

Mode 3: 1/31/03

Cooldown to Mode 4/5 (for Inspection): 2/6/03

NRC Restart Approval: 2/10/03

Mode 3: 2/17/03

Mode 2: 2/18/03

Mode 1: 2/19/03

100% Power: 2/21/03

Scott mentioned that the above dates do not incorporate the the decay heat pit design delays which could easily push all the Mode 4 dependent dates out at least a month.

- There was an emergent issue regarding the licensee's discovery of a crack in at least one of four thermal sleeves that extends into the Reactor Coolant Pump

discharge piping. Possible causes were believed to be thermal fatigue or flow induced vibration or some combination. The licensee intends to replace the thermal sleeves. The licensee discovered this issue while performing inspections during deep drain valve work. A Region III DRS inspector was asked to assist in the followup of this issue.

- Scott reported that the licensee had a significant number of condition reports classified as "significant condition adverse to quality" that were past due for completion of their root cause evaluations. The licensee's process for requesting extensions for completing the evaluations appears weak and was not followed in many instances.
- Scott reported on the status of system reviews. The licensee was supposed to complete all 31 system reviews (discovery) by December 6, 2002. The present status of the review were: six complete, 17 having been presented to the Engineering Assessment Board (EAB) for comments, and 8 that were not completed to the stage of being reviewed by the EAB. The plan for the eight remaining systems was to revise the review process, to not require EAB review, and to simplify the validation process (the actual details of the simplification still had not been firmed up). The Panel was planning to do further followup on the licensee's rationale and ramifications for not sending the systems through the EAB.

#### Review of action items (panel)

The panel reviewed the list of "open" action items, with discussions and actions as follows:

**Item 26** was closed. Letter issued 11/27/02.

**Item 72** was closed.

**Item 73** was discussed. NRR desires to have a revised IMC 0350 procedure issued by the end of this calendar year. NRR members of the panel took action to discuss the procedure with the procedure owners in NRR.

**Item 74** was discussed. The subject matrix document remains incomplete/unofficial, but progress on completing it continues.

**Item 85** was discussed. Region III received a letter dated 11/5/02 from J. Zwolinski related to the Davis-Besse Reactor Pressure Vessel Head. The letter regarding the release of the Davis-Besse head stated that "With regard to the Phase 3 sample....we will forward to you, at a future date, if any further actions are required." A followup email was received from J. Zwolinski on 11/13/02 stating that the aforementioned phrase was not intended to mean that the licensee hold the Phase 3 samples any longer than they would otherwise hold them or that they receive NRC permission prior to disposing of the samples. In order to avoid confusion when the "official" letter is sent to the licensee from Region III, J. Zwolinski requested that the sentence be re-worded to state that "The Phase 3 samples are also removed from the quarantine provisions." Region III will ensure that the letter to the licensee reflects the re-wording.

**Item 88** was discussed. TIA 200201, "Response to Request for Technical Assistance - Risk Assessment of Davis-Besse Reactor Head Degradation (ADAMS Accession No. ML023310723) was the current version of the TIA. A conference call to discuss the TIA was scheduled for later today.

**Item 89** was closed. The requested input was received and incorporated into USNRC Inspection Report 50-346/02-07, issued on November 29, 2002.

**Item 107** was discussed. J. Grobe at a prior meeting presented a draft paper discussing the issue of adding "incomplete and inaccurate information" for records and communications accuracy to the restart checklist. The Panel considered the points made and a decision on adding the item was tabled for further consideration.

**Item 112** was closed. Future ROP dates are: 12/9, 1/13, 2/10, 3/10.

**Item 114** was closed. No new news on a potential site visit by Brian Sheron.

**Item 116** was closed. This item will be tracked by Item 107.

**Item 119** was closed. The specific review was completed and an 11/19 email was sent discussing the Panel's review of the AIT followup report.

**Item 121** was discussed. The Panel discussed getting input from NRR via a memo or other following the 11/26 public meeting with the licensee regarding NRR's assessment of the appropriateness or reasonableness of the licensee's plans for inspecting the bottom head of the reactor vessel.

**Item 124** was closed. 11/19 email sent discussing the DBOP review of the AIT followup report (50-346/02-08)

#### New Issues for Inclusion into the Restart Action Matrix

The Panel discussed the work on a draft procedure for adding/removing items from the RAM. D. Passehl added Item C-25 to the RAM regarding the licensee's plans for perform a test during normal operating pressure and temperature (NOP/NOT) conditions to evaluate potential leakage from nozzles on the reactor bottom head. A public meeting was held in Headquarters on 11/26 on this topic.

#### Licensing Issues/Actions (DLPM) - status sheet

The status of Davis-Besse licensing activities and ticket tracking was presented by J. Hopkins. The licensee Code exemption requests, needed for use of the Midland reactor vessel head at Davis-Besse, have been reviewed by NRR technical staff and safety evaluations have been prepared. NRR is evaluating recent allegations of non-conforming conditions with the new head before signing out the Safety Evaluations.

#### Items for Licensee Weekly Calls

The Panel discussed questions/concerns for the licensee to address during the upcoming weekly call with the licensee.

Milestones/Commitments

The Panel discussed upcoming milestones and commitments.

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. 12/3 - Letter issued 11/27/02.</p>

Item Number	Action Item (Date generated)	Assigned to	Comments
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.
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. 12/3 - Closed.
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. 12/3 - discussed.



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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. 12/3 - memo received 11/15.
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. 12/3 - Discussed.
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. 12/3 - IR 02-07 issued 11/29.
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

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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
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
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. 12/3 - Future ROP dates are: 12/9, 1/13, 2/10, 3/10.
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 12/3 - This item will be tracked by Item 107.

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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	12/3 - Meeting was held 11/26/2002 at Headquarters
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	
124	Memo on AIT follow up items (11/07)	Passehl	12/3 - 11/19 email sent discussing the DBOP review of the AIT followup report (50-346/02-08)
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	