

March 6, 2003

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 January 21, 2003. 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
J. Rutkowski, 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	/RA DPassehl acting for/CLipa	JGrobe	
DATE	02/24/03	02/24/03	03/06/03	

OFFICIAL RECORD COPY

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

DATE: January 21, 2003

TIME: 9:30 p.m. Central

ATTENDEES:

B. Dean	M. Phillips
C. Lipa	S. Thomas
J. Hopkins	D. Passehl
J. Collins	

Agenda Items:

1. Plant Status and Inspector Insights

Scott Thomas provided a briefing on current plant activities as follows:

Item resolution for entrance to Mode 6 is the critical path. Preparation for the Modified SFAS testing is the main effort.

Containment Air Cooler #1 (CAC): Motor test scheduled for today. #1 CAC maintenance appears to be on schedule.

- Heat exchanger coolers racked in and hooked up.
- Service water tree work complete on Thursday.

Containment Air Cooler #2 (CAC): A piece of wood (8" x 6") was found in the service water return piping from CAC #2. The licensee is investigating and determining if a potential LER is required. Davis-Besse Oversight Panel (DBOP) concerns were past operability or a Foreign Material Exclusion program deficiency.

Emergency Diesel Generator:

- Work continues on EDG #1 Governor. New governor received from Perry and installed. During retesting of EDG #1 there was an overspeed trip and a 900kw reverse power trip. Items are under licensee investigation.
- Several alignment pins were found missing on EDG #1. The pins were used to keep EDG #1 from moving side to side. New pins are being manufactured.

Spare RTD Thermowells: An indication of possible boric acid led to the belief that the wells may be leaking. The indication is also suspected to be a thermostick crayon mark. Licensee will determine if they can repair the wells with water in the RC piping. If they

can, the licensee will wait until after the NOP/NOT test to repair. If they can not, then the current plan is to drain down and fix the wells prior to the NOP/NOT test.

Emergency Sump: The upper sump area strainers have been installed. The trash racks above the strainers are being installed. The parts for the remaining lower sump area are arriving on site.

Decay Heat Valve Pit: Welding continues on the walls and installation of the Hilti bolt covers.

High Pressure Feedwater Preheater 1-6: Vendor started rewelding tubes to tubesheet. However, after 40 welds were complete it was noticed that the vendor was not stopping at Quality Inspection stops in the procedure. Work has been put on hold.

Modified Containment Walkdown List: The licensee plans on performing a modified containment walkdown prior to entering Mode 6. Items of concern will be floating or plastic items. Heavy items will not be removed prior to Mode 6. Patricia Loughheed will be looking into effects on ILRT and Mode 4 preps.

Reactor Coolant Pumps (RCPs): Uncoupled runs tested satisfactory on RCPs 1-1 and 1-2.

2. Discussion of Allegations

A discussion by the DBOP was held on Allegation status. An action was created to flag allegations that needed to be resolved prior to restart. Many equipment issues were recently highlighted by allegations. Decision was reached by the panel to have a DBOP member at future ARB meetings. It was noted that this typically was the case for previous ARB meetings.

A discussion was held on a Chilled Effect at Davis-Besse. Some items had been closed which substantiated the Chilled Effect allegation. This item was noted to be on track for resolution prior to restart. The DBOP then questioned whether a Chilling Effect Letter was needed. It was determined that further input was required including discussions between the ARB and DBOP as well as the Regional Counsel. Monte Phillips took the lead on this issue. A discussion further developed on forming the letter to the licensee recognizing the high allegation workload to ensure the licensee is aware of possibilities of a Chilled Effect. The letter was recognized as a good tool.

3. Discussion of LERs for addition into the Restart Action Matrix

This discussion was delegated to the next internal meeting.

4. Discussion of the Latest Inspection Schedule

This discussion was delegated to the next internal meeting.

5. Discussion of Licensing Issues and Actions

The NRR review of the Licensee Technical Root Cause Report is expected to be completed this week. The remaining discussion items were delegated to the next internal meeting.

6. Discuss Items for Licensee Weekly Calls

The weekly licensee call was canceled this week due to personnel availabilities.

7. Discuss/Update Milestones and Commitments

The following items and time line were discussed:

- 1/21 - Performance Indicators Posted
- 1/21 - 4:00pm: Jack Grobe & Brian Sheron briefing Brian Mormino of Senator Voinovich's office.
- 1/24 - FOIA request due to Headquarters.
- 1/28 - 1:30pm: Jack Grobe & Brian Sheron briefing Dwight Cates & Edith Holleman of the House Energy and Commerce Committee.
- 1/29 - Sonia and Jack plan to go to HQ to discuss Draft SERP Package
- 1/30 - Category 1 Public Meeting with Davis-Besse at the Region III Offices to discuss the licensee's efforts to measure the Safety Culture at the Davis-Besse Nuclear Power Station.
- 2/5 - Plant performance summary, PIM, and Inspection Schedule due to TSS
- 2/6 - Goal date to have a SERP meeting
- 2/12 - End-of-Cycle Meeting - in the afternoon
- 2/18 - Brief Sam Collins on End-of-Cycle meeting results
- 3/5 - Annual Assessment Letter Due

8. Review of action items (panel)

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

Item 24a - Item discussed.

Item 54a - Item #3 is under Region III control for final letter, holding for NRR input.

Item 91 - Item Closed

Item 136 - Meeting summary to discuss Flus System, test agreement, and future inspections.

Item 139 - Item moved to next internal meeting.

Item 140 - Item moved to next internal meeting.

New Item 141 - Develop a special inspection plan for using IP 93812 in the routine resident inspector report.

New Item 142 - Properly reassign past inspection hours charged to TAC W90086 into the Reactor Program System (RPS). Prepare a memo to JDyer to reassign hours.

New Item 143 - Prepare a special inspection plan for the NOP/NOT test.

New Item 144 - Prepare a special inspection plan for the corrective action team inspection.

New Item 145 - Prepare a special inspection plan for the restart readiness team inspection.

New Item 146 - Arrange a Panel briefing by RLangstaff to get insight into the scope and depth of 10 CFR 50 Appendix R and EOP issues at Davis-Besse so that the Panel can factor this into the inspection plans for the corrective action team inspection and restart readiness team inspection.

New Item 147 - Generate a list of items to consider after restart as well as transition back to the normal 0350 when terminating the 0350 Panel. The items should include plans to augment inspection of corrective actions, inservice inspection, and safety culture monitoring.

New Item 148 - Provide DIE hours from 2/2/02 - 12/31/02 to Jack Grobe. 1/21 - Item Closed

New Item 149 - SRI to coordinate with GWright inspection of corrective actions that have been completed by the resident staff. The intent is to find ways to allow GWright's inspection to take credit for what the resident staff already accomplished.

New Item 150 - SBurgess to develop a position paper on the state of plant risk when the plant attains Mode 4 for the first time. The purpose is to support NRC scheduling of major inspections until closer to Mode 2.

New Item 151 - Develop a plan to assess the safety culture at the plant to close Restart Checklist Item 4.b, effectiveness of corrective actions. Discuss at next 0350 internal Panel meeting.

New Item 152 - Dave Hills to bring to ARB recommendation for closure of the 50.9 issues.

New Item 153 - Discuss with Ken O'Brien which corrective actions will be inspected and addressed in his programmatic effectiveness report so that items which warrant inspection which will not be addressed in Ken's report get addressed during the corrective action inspection.

New Item 154 - Marty has action to followup by 1/21 with licensee to understand licensee's actions to address common mode failure issues (i.e., topical issues) and brief Panel. Then develop inspection plan to address topical issues.

New Item 155 - Get resources to supplant resident inspector staff vacancies in February. SRI has military leave and the RI had house hunting scheduled.

New Item 156 - Read Generic Safety Issue-191, "Assessment of Debris Accumulation on PWR Sump Pump Performance"

New Item 157 - Have resident inspection staff address whether the licensee is correctly classifying and categorizing their backlog relative to work orders, corrective actions, and modifications to hardware.

New Item 158 - In Ken O'Brien's programmatic inspection plan, add to the summary page the addition of Restart Checklist Item 3.i, Process for Ensuring Completeness and Accuracy of Required Records and Submittals to the NRC, and deletion of Item 3.h, Radiation Protection Program.

New Item 159 - Document closure of Restart Checklist Items 6, licensing issue resolution, in the resident inspector report.

New Item 160 - Draft fragnet of inspection resources, plans, and schedules.

New Item 161 - Update the RAM.

New Item 162 - Modified Containment Walkdown List assessment to look into effects on ILRT and NOP/NOT tests.

New Item 163 - Flag Allegations requiring action prior to restart

New Item 164 - Discuss the need for a Chilling Effect Letter with Bruce Berson.

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.</p> <p>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> <p>01/03 - A. Mendiola to look at phone conference writeups on quarantine decision making to determine if they can be released to the public. 01/07 - discussed 01/21 - discussed.</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	<p>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. 12/10 - B. Dean believed B. Bateman thought a calculation for sufficient volume of TSP was completed to technical specification value. However questions whether the calculation was to technical specification or actual TSP level remain. 01/03 - Item under NRR review. Calculation completion expected on Jan 17. Allegation issue in RIII domain. 01/07 - Allegation Item #3 under NRR Review for Resolution. 01/21 - Item #3 is under Region III control for final letter, holding for NRR input.</p>

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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. 01/03 - 2 parts, short part- C. Lipa with P. Harris, long part- B. Dean. 01/07 - 2 nd larger response will require meeting between all parties. 01/21 - Communications with P. Harris
74	Matrix strategy for UCS and other requests. (8/8)	Lipa	8/13 - Discussed. 8/22 - Discussed - matrix is being developed 8/29 - Discussed - matrix has been started. 10/1& 10/15 Discussed. 11/07 - A top ten list will be created to prioritize strategy 01/03 - Insp Meet 01/09 01/07 - most items mapped out in RAM, some letters need to be entered.
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. 12/10 - TIA received 12/06. 01/03 - Package Ready Mid January, SERP expected in Feb. 01/07 - Package Ready January 17, SERP expected February 6.
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 01/21 - Closed

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97	Bulletins 2002-01 and 2002-02 response and acceptance (9/5)	NRR	11/07 - Discussed, further research and discussion required. 01/07 - RAI response expected Mid February.
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 12/19 - Week of Jan. 6 th Inspection plan mtg 01/07 - Factoring into the RAM
125	Review LLTF report for 0350 issues / SMRT team	Mendiola/ Lipa	01/07 - In progress
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)	B. Dean	12/10 - Completion date requested 12/19 - Discussed - Est. delivery Jan. 31 st , put in Jan-Feb report 03-02.
130	Action to Make rec on EOC package (12/19)	C. Lipa	
131	OE/OI decision logic (12/19)	B. Clayton	01/03 - J. Grobe's flowchart to be discussed in meeting week of Jan 6 - 10
132	Consolidate RAM (12/19)	C.Lipa/ A.Mendiola	Due Fri 1/17
133	12/29 Taping of debate	J.Collins/ D.Simpkins	01/03 - Licensee to deliver tape to J. Strasma

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136	NRR acceptance of NOP/NOT criterial and method (01/03)	W. Dean	01/07 - Item discussed. Meeting summary of November 26, 2002 meeting has notation of NRR staff impressions of test plan. Once drafted, issue will be surveyed to staff to determine if consciences is correct. 01/21 - Meeting summary to discuss Flus System, Test agreement, and future inspections.
137	Review of Restart Checklist to verify numbering scheme (01/07)	D. Passehl	
138	Evaluate the effectiveness of the Comm Plan (01/07)	A. Mendiola, C. Lipa	
139	Licensing Actions Review for DBOP internal meeting on 01/21/03 (01/07)	J. Hopkins	01/21 - Moved to next internal meeting
140	Present all LERs, since the discovery of the degradation, to the Panel so that they can be considered for restart (01/07)	D. Passehl	01/21 - Moved to next internal meeting
141	Develop a special inspection plan for using IP 93812 in the routine resident inspector report. (01/09)	S. Thomas	
142	Properly reassign past inspection hours charged to TAC W90086 into the Reactor Program System (RPS). Prepare a memo to JDyer to reassign hours. (01/09)	C. Lipa	
143	Prepare a special inspection plan for the NOP/NOT test. (01/09)	J. Jacobson	

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146	Arrange a Panel briefing by RLangstaff to get insight into the scope and depth of 10 CFR 50 Appendix R and EOP issues at Davis-Besse so that the Panel can factor this into the inspection plans for the corrective action team inspection and restart readiness team inspection. (01/09)	D. Passehl	
147	Generate a list of items to consider after restart as well as transition back to the normal 0350 when terminating the 0350 Panel. The items should include plans to augment inspection of corrective actions, inservice inspection, and safety culture monitoring. (01/09)	D. Passehl	
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150	SBurgess to develop a position paper on the state of plant risk when the plant attains Mode 4 for the first time. The purpose is to support NRC scheduling of major inspections until closer to Mode 2. (01/09)	S. Burges	
151	Develop a plan to assess the safety culture at the plant to close Restart Checklist Item 4.b, effectiveness of corrective actions. Discuss at next 0350 internal Panel meeting. (01/09)	G. Wright	
152	Dave Hills to bring to ARB recommendation for closure of the 50.9 issues. (01/09)	D. Hills	
153	Discuss with Ken O'Brien which corrective actions will be inspected and addressed in his programmatic effectiveness report so that items which warrant inspection which will not be addressed in Ken's report get addressed during the corrective action inspection. (01/09)	D. Hills	

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155	Get resources to supplant resident inspector staff vacancies in February. SRI has military leave and the RI had househunting scheduled. (01/09)	C. Lipa	
156	Read Generic Safety Issue-191, "Assessment of Debris Accumulation on PWR Sump Pump Performance" (01/09)	J. Hopkins	01/21 - Determine status of GSI-191
157	Have resident inspection staff address whether the licensee is correctly classifying and categorizing their backlog relative to work orders, corrective actions, and modifications to hardware. (01/09)	S. Thomas	

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159	Document closure of Restart Checklist Items 6, licensing issue resolution, in the resident inspector report. (01/09)	J. Hopkins	01/21 - Feb 1
160	Draft fragnet of inspection resources, plans, and schedules. (01/09)	C. Lipa	01/21 - Fragnet-"time line"
161	Update the RAM. (01/09)	J. Jacobson M. Phillips	
162	Modified Containment Walkdown List assessment to look into effects on ILRT and NOP/NOT tests. (01/21)	P. Lougheed	
163	Flag Allegations requiring action prior to restart (01/21)	M. Phillips	
164	Discuss the need for a Chilling Effect Letter with Bruce Berson (01/21)	M. Phillips	