

October 29, 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 October 15, 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 | 10/ 16/02 | 10/20/02 | 10/29/02 | |

OFFICIAL RECORD COPY

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

DATE: October 15, 2002

TIME: 10:30 a.m. Central

ATTENDEES:

| | |
|--------------|------------|
| J. Grobe | C. Lipa |
| W. Dean | S. Thomas |
| M. Farber | K. O'Brien |
| J. Hopkins | D. Passehl |
| B. Jorgensen | V. Mitlyng |
| J. Collins | |

Agenda Items:

1. Reports from Staff

Marty Farber reported on the status of his activities under the "System Health" building block, indicating that licensee findings have continued to expand the "scope," and a total of 15 "common problem areas" have been identified. These involve such things as calculation errors, USAR, HELB, and EQ deficiencies. The findings were described as "not surprising" to the team. Marty indicated that two more weeks of onsite inspection are tentatively targeted for the weeks of 10/21 and 11/4. Marty said Bruce Bartlett's team inspection findings (calculation errors, legalistic rationales to avoid or minimize work, and related "engineering support" concerns) need to be evaluated and factored into the "system health" arena. Marty indicated the licensee's work on "latent issues" reviews had led to declaring AFW, SW and EDGs "inoperable" which reflected a proper conservative approach to the findings.

Marty also briefly indicated the "re-start testing" building block is in an uncertain condition as to when activities will be completed and ready for inspection. The ILRT now appears likely to occur in December, and integrated testing for MODE changes and certain post-maintenance/post-modification testing has not been scheduled yet, either.

Ken O'Brien reported on the status of inspection in the "Program Compliance" building block. His schedule has also been impacted by delays in licensee completion of several program reviews. Ken indicated that he now tentatively plans on a week on site in early November, and another in early December, when licensee progress may be adequate to justify resuming inspection work. The licensee's decision-making on the first two areas examined (boric acid control and corrective action) were characterized as "hitting the mark," so further NRC inspection in those two areas is not needed. In the area of Quality Assurance, the licensee has decided to do a "Phase II" review.

Christine Lipa announced, in light of the continuing scheduling uncertainties, a meeting will be arranged for early next week and the entire proposed inspection schedule will be re-examined. Some inspections may be stopped and the results documented, rather

than continue to await developments from the licensee. This includes the “system health” and “program compliance” team inspections discussed above.

Site activities (RIO)

Scott Thomas briefed the Davis-Besse Oversight Panel on current site activities noting the following:

- The “case studies” he (Scott) observed both included senior management characterizing the facility status as being beyond the “discovery” phase and turning the corner to recovery. This does not square entirely with the feedback from inspection teams that “discovery” is continuing, and the scope of work activities is still expanding.
- Some among licensee senior management have also begun to express some frustration about NRC needs not being fully defined, such that the licensee does not know the type and quantity of resources necessary to address those needs. The “research” project on the vessel head specimens was an example.
- A licensee evaluation of “issues” identified during the shutdown is being displayed around the plant. It shows 90% are being self-identified and 10% are being NRC-identified.
- Work to restore the startup transformer is continuing with a target completion date of 11/17.
- Both emergency diesel-generators remain “inoperable” but available with exhaust system upgrades to provide tornado missile protection targeted to be complete by 10/23.

Review of action items (panel)

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

Item 71 was discussed. NRR forwarded a draft report with the results of the review of the licensee's Revision 1 to the Technical Root Cause. The draft report is being reviewed, with some discussion regarding whether it is “conclusionary” enough. The report will be made final once any comments are received and considered.

Item 72 was discussed. The LLTF report has been received and is being reviewed so as to extract any observations impacting the Oversight Panel. Christine Lipa will attend the LLTF public meeting at the plant on November 6, then plans to meet with the LLTF personnel present the following day to ensure a full understanding of the observations, so they can be addressed in an appropriate manner.

Item 74 was discussed. The subject matrix document remains incomplete/unofficial, but it is getting “pretty close.”

Item 82 was discussed. This is related to Item 72 and ensuring the Panel understands the observations and context of the LLTF.

Item 85 was discussed. The Office of Research continues to evaluate the need for additional study of additional “specimens” from the “old” vessel head. The continuing “open” status of this item is impacting our plan to update the CAL and remove the line item related to the “quarantine.”

Item 99 was discussed. Work on this item is expected to be completed soon.

Item 112 was discussed. The monthly public meeting date for December (10 or 11) is still being finalized. Jack Grobe expressed a preference for Tuesdays, both in December (the 10th) and in the months thereafter. Christine Lipa also has the action to pursue the scheduling of dates for possible additional meetings in January, February and March 2003.

Item 114 was discussed. No new news on a potential site visit by Brian Sheron - Jon Hopkins will continue to follow developments.

Item 120 was added. Jon Hopkins will follow up on a request from the ACRS for an update (reportedly in early November), to determine what the needs of the Committee are and what their exact schedule is. He will report this information back at a future meeting of the Panel.

Licensing Issues/Actions (DLPM) - status sheet

The status of Davis-Besse licensing activities and ticket tracking was presented by Jon Hopkins:

- The 2.206 petition response letter remains in management concurrence; it could be signed out as early as today (10/15) or tomorrow.
- Work on the code relief and license amendments relating to use of the Midland reactor vessel head has continued with no significant issues identified so far.
- No new “green ticket” activity of note.

2. IMC 0350 Panel Business

Inspection Schedule

The Panel once again had extensive discussions of inspection scheduling, since the schedules for several inspections remain unsettled. The date(s) when the licensee will have sufficient information to justify further inspection activities remains unclear. The Oversight Panel expects to have a special meeting early next week to consider how to “manage” resources and scheduling in light of limited licensee information.

Process Plan

Dave Passehl has updated and distributed a revised Process Plan, requesting any comments or other feedback preparatory to a detailed discussion of the Plan at the Panel meeting scheduled for 10/22.

Restart Checklist - Investigations

Two proposed additions to the NRC "restart checklist" were discussed. These were an item on "the radiation protection program" and one on "containment sump issues." The focus in radiation protection was characterized as being on occupational exposure control and related work planning - derived from the special inspection of potential over-exposures from intake of alpha-emitting isotopes. The Panel will look to approve the revised checklist next week.

Licensee Return to Service Plan

No new discussions.

3. NRC/Licensee weekly calls

No call this week, due to monthly public meetings at the site on Wednesday, 10/16.

4. Utilization of the Web Page

Jon Hopkins will "post" items on the Web Page this week, in Steve Bloom's absence. A couple of sets of meeting transcripts have been entered into ADAMS and sent to NRR to be posted.

5. Future Activities/Plans/Meetings

Next panel meeting: Tuesday 10/22 at 2:00 p.m. EDT, 1:00 CDT

Monthly allegations briefing to be added to agenda.

6. Discuss how to handle public or staff comments, questions, allegations, and concerns received by phone, fax, letter, email, or at public meetings.

Potential issues which may arise at tomorrow's meetings, either with the licensee or with the public, were discussed. The issues could include: concrete spalling and associated repairs; "stains" on the reactor vessel bottom head; scheduling (FENOC's and NRC's); and Congressional (2.206 Petition, Sen. Voinovich) interest and developments.

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 |
| 26 | Provide licensee with inspection schedule | Panel | 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 |

| Item Number | Action Item (Date generated) | Assigned to | Comments |
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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 |
| 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. |

| Item Number | Action Item (Date generated) | Assigned to | Comments |
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| 72 | Review LLTF observations and determine appropriate closeout. (8/6) Review for safety issue/ AMS/OI/new items. | Lipa/Collins | 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 10/9, schedule public meeting 11/6 10/15 - Discussed. 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. |
| 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. |
| 82 | Circle back with LLTF to put their observations into context (8/8) | Grobe | 10/1& 10/15 - Discussed. Related to Item 72. |
| 83 | Verify results of ongoing research related to the technical root cause evaluation has not changed NRC/DE conclusions (8/13) | Panel Coffin | |
| 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. |

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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. |
| 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. |
| 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 | |
| 98 | Poll staff for differing opinions (9/5) | Panel | Incorporate into Process Plan 10/1 - Discussed. |
| 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. |
| 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. |

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| 103 | Issue 3 memos to staff - forward emails to DB0350/RES/NRR/RIII (9/17) | Dean/Grobe | 10/8 - Complete. |
| 104 | Add UCS to service lists in RIII and NRR (9/17) | Lipa/ Mendiola | 10/8 -Complete |
| 107 | When AIT F/U IR is issued, consider item on records& communication accuracy (9/17) | Panel | 10/1-Discussed |
| 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 |
| 111 | Coordinate with LLTF to brief state and county officials (9/19) | R. Lickus | 10/8 - Complete |
| 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. |
| 116 | Inform licensee that completeness and accuracy of records issue may be added to restart checklist (9/24) | Grobe | 10/1- Discussed |

| Item Number | Action Item (Date generated) | Assigned to | Comments |
|-------------|---|-------------|-----------------|
| 117 | Provide a report on all licensing actions for DB to the DB Oversight Panel (9/24) | Hopkins | 10/1- Discussed |
| 118 | Produce a photo view book that would have before and after photos of corrective maintenance items. (9/24) | Jorgensen | 10/1 Discussed |
| 119 | Discuss with OI, need to bring to ARB (10/01) | Passehl | Due 10/15 |
| 120 | Request from ACRS for an update to determine the Committee needs and exact schedule. (10/15) | Hopkins | |