

March 11, 2004

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

FROM: John A. Grobe, Chairman, IMC 0350 Oversight Panel */RA by C. Lipa Acting for/*

SUBJECT: REVISED AUGUST 27, 2002 MINUTES OF INTERNAL MEETING OF THE DAVIS-BESSE NUCLEAR POWER STATION IMC 0350 PANEL (Additional Attachments Incorporated)

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 August 27. Attached for your information are the minutes from the internal meeting of the IMC 0350 Panel; **the Program Effectiveness Inspection Plan (02-11)**; and the Action Items List.

Attachment: As stated

cc w/att: H. Nieh, OEDO  
J. Dyer, RIII  
J. Caldwell, RIII  
K. Coyne, NRR  
D. Thatcher, NRR  
DB0350

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OFFICE	RIII	RIII	RIII	
NAME	RBaker/dtp	CLipa	<i>/RA C. Lipa Acting for/JGrobe</i>	
DATE	03/11/04	03/11/04	03/11/04	

**OFFICIAL RECORD COPY**

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

DATE: August 27, 2002

TIME: 1:00 p.m. Central

ATTENDEES:

S. Bloom	J. Hopkins
B. Bonser	J. Jacobson
L. Collins	B. Jorgensen
B. Dean	T. Mendiola
M. Farber	S. Thomas

Agenda Items:

1. Reports from Staff

Status of TI 2515/145 and IP 7111.08

This agenda item was rescheduled.

Site Activities (RIO)

The SRI briefed the panel on site activities. The containment vessel has been cut and runways for movement of the reactor vessel heads in and out of containment are being installed. Problems are still being experienced with the operation of the polar crane. The current schedule shows removal of the old reactor vessel head from containment on August 29, movement of the new head into containment on August 30, and welding of the containment vessel September 7 - 11.

Reactor coolant pump work and containment air cooler refurbishment are ongoing. The containment dome is being stripped and repainted.

Review of Action Items (panel)

The Action Items list was reviewed and updated. During the meeting, one new action item was generated.

ACTION: Provide report input on Framatome inspection of records for the new vessel head

Licensing Issues/ Actions (DLPM) - status sheet

The status of the green and yellow ticket items was discussed. No comments have been received on the draft 2.206 petition. The 14 day comment period ends August 30.

NRR is reviewing the control of proprietary and predecisional information related to the Kaptor/Markey response and the FOIA. Also, an additional (5<sup>th</sup>) box of information will be transmitted on the Tauzin/Gillmor request.

RIII received a letter from NIRS. The letter has been sent to the EDO's office to be ticketed.

#### Status of Public Communications (panel)

The communications plan is under development. Revision 0 has been distributed for comment. This agenda item will be changed to "Communications Plan".

## 2. IMC 0350 Panel Business

#### Inspection Schedule

Three inspection plans will be reviewed by the panel next week for approval.

The System Health inspection was discussed. The inspection will be two-part. The first part will be an in-depth review of the service water system and will be similar to an SSDI. This part will be 5-6 people for 2-1/2 inspection weeks. The second part of the inspection will include the "six stars" and a review of all five of the licensee's latent issues reports and a review of 4-5 system readiness reports. This part of the inspection will conclude around November 8, approximately 2 weeks after the licensee's schedule shows completion of the last latent issues report. There will be two separate inspection reports generated from this inspection. The dates of the inspection are planned as follows:

9/16 - preparation  
9/23 - onsite  
9/30 - RIII  
10/7 - onsite

The program compliance inspection will be staffed with 4 people. The dates of the inspection are as follows:

9/9 - onsite  
9/30 - onsite  
10/7 - onsite

The management and human performance inspection will be staffed with 5 people. The onsite weeks will be 9/9 and 9/30.

An inspection for restart readiness and to closeout any open issues was also discussed. This inspection is not currently planned or staffed. Also, a follow-up inspection related to the hot particle issue will likely be required.

T. Mendiola briefed the panel on preliminary results of the NRR inspection work at Framatome to review the records and work to qualify the Midland head. There were no major findings.

### Process Plan

This item was not discussed. The panel requested that the process plan be reviewed in detail in an upcoming meeting.

### Restart Checklist

This item was not discussed.

### Licensee Return to Service Plan

This item was not discussed

### NRC/Licensee weekly calls

The weekly call will be held tomorrow.

### 3. Utilization of the Web Page

A number of items will be put on the web page this week related to the 7/16, 8/15, and 8/20 public meetings. An electronic version of the non-technical root cause has been requested from the licensee for easier input to ADAMS and onto the website.

### 4. Future Activities/Plans/Meetings

#### Upcoming 0350 Panel Public Meeting

The panel discussed the dates for the September, October, and November public meetings. The next meeting is Tuesday, September 17. The Oak Harbor high school has been reserved.

#### Six-week look ahead schedule

Brian Sheron and Rich Barrett are tentatively scheduled for a site visit September 18 or 19.

#### Next Panel Meetings: Thursday, August 29 and Tuesday, September 3

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

No new issues were discussed.

IMC 0350 Panel Action Items

Item Number	Action Item (Date generated)	Assigned to	Comments
1	Review the need for a full core offload (May 21)	S. Thomas	Complete. Email to DB0350 5/23
2	Develop slides for 0350 portion of ACRS meeting (May 21)	C. Lipa	Complete
3	Invite Casto/Bateman to panel to discuss review of root cause (May 21)	B. Dean	Complete 5/23 See internal meeting minutes
4	Develop operational history package for Davis-Besse (May 21)	C. Lipa T. Mendiola B. Dean	Due 6/18. Additional action added 6/18 - B. Dean to ask L. Portner for OCA correspondence with Kaptur. Complete with one exception - NRR to provide basic licensing information DONE 7/23. Need to capture PPR history from late 1990's. Completed and sent out 7/30
5	Followup with State of Ohio after May 23 meeting w/licensee (May 21)	R. Lickus	Complete 5/23 See internal meeting minutes
6	Review AIT procedure to see if it should be used for AIT followup (May 21)	C. Lipa	Complete 5/23
7	Communicate with the licensee regarding the need for updated risk assessment (May 21)	M. Johnson, T. Mendiola, D. Pickett	Complete 5/23 See internal meeting minutes
8	Setup location for June 12 0350 meeting (May 21)	S. Thomas	Complete 5/23 See internal meeting minutes
9	Provide draft restart checklist to the panel (May 16)	C. Lipa	Will bring back draft checklist for June 18 meeting. 6/18 - will bring back on 6/20. 6/25 - Christine is working on marked up version. 7/2 - Still working bring back 7/11. 7/16 Discussed - still finalizing. 7/18 Discussed - will email draft to Dyer for review. He has reviewed. Dean to share with NRR and DRP to prepare letter to licensee. Discuss draft on 7/30 - Grobe to discuss with licensee per 0350. 8/6 - Discussed 8/13 S. Collins and J. Johnson have reviewed - ready for concurrence copy. 8/22 - Complete
10	Send second RAI to licensee (May 16)	T. Mendiola	NRR to have call by 6/18. Draft responses already received. 6/18 - call has not been held. 6/20 - hope to have call today. 6/25 - Issued RAI, licensee will respond by 7/12, preliminary responses look to be adequate. 6/27 -Complete
11	Decide if umbrella charter should go on the web page (May 16)	J. Grobe	Complete 5/23

Item Number	Action Item (Date generated)	Assigned to	Comments
12	Prepare information request for LLTF (May 23)	T. Mendiola C. Lipa	Complete
13	Send licensee building block plans (3) to Lipa, Pickett (May 23)	S. Thomas	Complete
14	Issue Meeting Notice for 6/12 meeting (May 23)	C. Lipa	Complete - on website
15	Discuss expectations for 6/12 meeting with licensee (May 23)	C. Lipa J. Jacobson J. Grobe	Complete. J. Grobe to discuss again w/licensee 6/11
16	Read licensee return to service plan in preparation for 6/12 meeting	Panel	Complete
17	Develop 6 week look ahead schedule	C. Lipa	Complete.
18	Slide on Checklist to discuss with licensee	J. Grobe	Closed not completed.
19	Send 3 plans to HQ	C. Lipa	Complete - all 6 plans sent to RIII and NRR
20	Obtain history of Byron, Braidwood, Palisades, and Pt. Beach containment mods and leak test requirements	J. Jacobson	Complete. All performed ILRT
21	Set up next meeting/bridge line for 6/12	L. Collins	Complete
22	Confirm that transcriber will be ready at 3:00 PM	C. Lipa	Complete
23	Request licensee to provide speaker phone for internal meeting 6/12	S. Thomas	Complete
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)

Item Number	Action Item (Date generated)	Assigned to	Comments
24b	Discuss making information related to the Congressional request publicly available (6/27)	Panel	6/27 - Complete. Publicly available info contained in the request will remain publicly available. Non-public information will remain non-public.
25	Determine containment testing required (PSB)	T. Mendiola	6/18 update - Provide licensee's regulatory path to Tech staff. 6/25 - Tech staff determined ILRT required unless relief is requested. 6/27 - phone call scheduled with licensee today, letter from PM to follow. 7/9 - Need letter to file that is publicly available and letter from licensee. 7/16 - Expect letter by 8/2. 8/6 - Discussed - Sands to determine if letter received. 8/13 - Letter from licensee received. Item closed.
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.
27	Brief J. Dyer on Kaptur visit, June 12 meetings, risk analysis	J. Grobe C. Lipa S. Burgess	Briefing on Kaptur visit and June 12 meetings held. Kaptur visit canceled. Risk briefing planned for 6/20. Complete
28	Request S. Long to participate in 6/20 internal call.	Panel	Complete
29	Interface with K. Riemer regarding inspection/assessment of licensees head disposal plan	J. Grobe	6/25 - Discussed with Ken. DRS will perform a transportation BI approx. 3 <sup>rd</sup> week in August. 6/27 - Complete
30	Request copy of current version of Kaptur/Markey letter from the Chairman's office	T. Mendiola	6/20 - Chairman's office sent to J. Grobe to review changes.. 6/25 - Closed, letter yet to be issued.
31	Provide proper storage for Tauzin/Gillmor documents at RIO	C. Lipa	6/25 - Sensitive info may not be sent to RIO. 6/27 - Sensitive info will not be sent to RIO. Complete
32	Determine with EDO's office if 6/12 UCS letter should be a green ticket (6/18)	T. Mendiola	6/20 - no input yet from EDO's office. 6/25 - Grobe spoke with Rosenberg, will pursue green ticket with due date of 7/12. Associated FSAR letter is due out 7/7. 6/27 - no date yet from EDO's office. 7/2 - Green ticket due to EDO's office 7/24. 7/16 - Complete. Tracked on T. Mendiola's correspondence list.
33	Discuss with NRR staff who will coordinate the review of documentation for the licensee's head replacement plan (6/18)	B. Dean	6/20 - Update received from B. Bateman on plan for NRR review. 6/25 - see panel meeting minutes for update. 6/27 - Complete

Item Number	Action Item (Date generated)	Assigned to	Comments
34	Discuss with licensee regulatory assurance manager about having a weekly 0350 status call (6/18)	S. Thomas	6/20 - Issue discussed. Licensee can participate. Panel proposed Wednesdays at noon (central). 6/25 - first call will be set up for 7/3. 6/27 - first call will be set up for 7/10. 7/2 - Complete
35	Review Web page design for ease of use (6/20)	S. Bloom	6/25 - Bloom discussed with OCIO, no changes recommended at this time. Complete
36	Discuss proposed date of next 0350 panel meeting with licensee (7/16). If acceptable, contact Oak Harbor HS (6/20)	S. Thomas	6/25 - 7/16 is good. S. Thomas left message with Stucker. B. Dean and J. Grobe need to determine who will chair the evening meeting. 7/9 Complete.
37	Attend 7/8 meeting in Columbus, OH (6/20)	C. Lipa	7/9 - Complete.
38	Discuss making internal panel meeting minutes public (6/20)	Panel	6/25 - will determine by 7/11. 7/16 - Close. Panel decision to make minutes public after a restart decision is made.
39	Discuss strategy on risk assessment with HQ senior managers (6/20)	T. Mendiola	6/25 - Complete
40	Present results of preliminary risk assessment to the panel (6/20)	S. Long	Planned for 7/2 panel meeting. 6/27 - will delay to 7/11 mtg. 7/16 - discussed S. Long to return for 7/25 meeting with written materials. 7/18 - Discussed - need Steve, Sonia, Mike to attend 7/25 panel and discuss what is left to be done and the level of effort required. Grobe to attend meeting in NRR 8/14 to disc w/ LT. 8/6 - Close to item 60.
41	Discuss with M. Kotzalas and M. Landau the development of a communication plan (6/20)	T. Mendiola	6.25 - Complete
42	Call the licensee to determine if the letter on how the code will be applied to verify the N stamp is on schedule (6/25)	D. Pickett	6/27 - Complete. Licensee is on schedule.
43	Add to the agenda for 7/2 - revisit head replacement inspection plan (6/25)	C. Lipa	6/27 - Add to agenda for 7/9 or 7/11. 7/9 Discussed NRR proposal. 7/16 - Put on next Tuesday's agenda.

Item Number	Action Item (Date generated)	Assigned to	Comments
44	Update communications plan (6/25)	Panel	Due 7/26. 6/27 - need to hold brainstorming session. 7/16 - Add Laura Gerke and Mindy Landau for brainstorming this week. Comm plan draft update by end of next week. 7/18 - Brainstorming session held during panel meeting and assignments generated - drafts due 7/23. Grobe will work on 8/5-6. 8/6 -Meeting held 8/6 and Jan Strasma is revising. Plan to be operational in 2 weeks. 8/13 - Plan updated and sent out for comment. 8/22 B. Jorgenson working on comm plan - will coordinate with Tony. 8/27 - Revision 0 issued for comment.
45	Send letter to licensee outlining the staff's position on containment testing (6/25)	D. Pickett	7/9 - Closed to item 25. Memo to file will be generated that is publicly available.
46	Revise Charter to reflect current composition of the charter (6/25)	C. Lipa	6/27 - Revised charter is in typing. 7/9- Charter revised. Complete
47	Develop integrated list of licensing actions associated with restart (6/25)	D. Pickett	6/27 - Complete
48	Request briefing for panel on status of allegations in mid-July (6/25)	C.Lipa	7/2 - Complete. Briefing scheduled for 7/11 panel meeting.
49	Update six-week look ahead and maintain weekly updates (6/25)	C. Lipa	7/9 - Complete. This is now a regular agenda item.
50	Call L. Myers to discuss the licensee's plan for the Management and Human Performance Excellence Building Block (6/27)	J. Grobe C. Lipa	7/2 - Complete.
51	Send email to M. Weston regarding agendas for future ACRS meetings (6/27)	C. Lipa	7/9 - email sent and response received. No dates or agenda set yet. Complete.
52	Discuss with B. Bateman the need for a relief request for the Midland head regarding no RT for lifting lug area (6/27)	T. Mendiola D. Pickett	7/9 - Closed. Licensee to submit appropriate relief requests.
53	Email information to B. Bateman about lifting lug area of the Midland head (6/27)	J. Jacobson	7/9 - Closed. Licensee to submit appropriate relief requests.
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 on7/22 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.

Item Number	Action Item (Date generated)	Assigned to	Comments
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.
55	RIII enter TSP issues recent letter into AMS (7/2)	EICS/DRS	7/9 - Complete.
56	Review 6/12 meeting transcript (7/2)	D. Pickett	7/9 - Complete.
57	Obtain documents to support vessel head replacement inspection. (7/9)	D. Pickett	7/16 - Discussed. Need code reconciliation package, Section III QA index, Section XI QA index. Est completion 8/2. 8/6 - Discussed - Sands to check if documents have been received. 8/13 - Information has been received. Item closed.
58	Discuss with J. Strasma contacting interested stakeholders about 7/16 meetings (7/9)	C. Lipa	7/16 - Closed Not Completed
59	Respond to 7/3 UCS letter (7/9)	Panel	7/18 - Closed. Will track on T. Mendiola's list.
60	Hold meeting to discuss effort needed to assess risk (7/11)	Panel	7/18 - Discussed. Meeting will be held after 7/25 risk briefing. Sched for 8/14 w/IIPB/DIPM/DSSA and RIII 2EDT/1CDT. Jack-Steve Long update dift cases. 8/22 - Meeting held - item closed.
61	Invite Steve Long for meeting on 7/25 (7/11)	Panel	7/16 - Closed to 40.
62	Brief new allegations or status of significant allegations one time per week (7/11)	EICS/ DRP/ DRS	7/16 - Put on Agenda one time per week. Closed.
63	Risk briefing notes for panel (7/11)	Steve Long	7/16 - Closed to 40.
64a	Discuss with NRR/OGC to determine which process for licensee request - 50.55a?. (7/25)	Mendiola	8/6 - Discussed. 8/22 - Discussed - normal process to be used. Item closed.
64b.	Discuss with licensee and NRR to ensure common understanding of which relief requests/amendments are required for restart.(7/30)	Mendiola	8/20 - Discussed NRR talking with the licensee. 8/22 - Item closed. The six licensing action that are required are all on the restart checklist.
65	Respond to questions on nozzle leaks (7/30)	Jacobson	due 8/16 - AITS. 8/22 - Discussed - need to check status of AITS. 8/27 - Complete - sent info to OI on 8/22.
66	Followup w/ Ohio CAC on their concerns (7/30)	Lipa/Lickus	8/6 - Discussed - will complete this week Roland called 8/8.

Item Number	Action Item (Date generated)	Assigned to	Comments
67	Determine risk approach and whether revision is needed to TIA (7/30)	RIII	8/6 - Discussed. Mtg with Dyer on 8/7 Closed 8/8.
68	Set up bridge/meeting room for 8/14 risk discussion(7/30)	Lipa	Closed 8/8.
69	Determine visual aids for 8/20 public meeting (7/30)	Vika/Margie	8/13 - Discussed. 8/22 - Discussed - any feedback on visual aids? 8/27 - Discussed - no feedback received yet.
70	Discuss interface with LLTF (7/30)	Grobe	8/6 Complete. Grobe to bring back issues to review and disposition under action item 72.
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.
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.
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.
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.
75	LLTF equipment issue do we have them all. (8/8)	Lipa	8/13 - Complete. CL discussed with Art Howell.
76	Ctmt access - security adequately reviewed. Request write up from Creed, etc. (8/8)	Lipa/Belanger	8/13 - Discussed - writeup requested. 8/22 - Input received from DRS on 8.19. Item closed
77	Determine attendance @ licensee's R.O.P. (8/8)	Grobe	8/13 - Discussed - will not attend panel meeting this time. 8/22 - Discussed - will attend future meetings. Item closed.
78	Weekly newsletters (8/8)	Lipa	8/22 - Discussed - Bruce has the lead. Daily updates will also continue. 8/27 - First 0350 weekly newsletter is planned for distribution on thurs.
79	Monthly status Newsletters (8/8)	Vika Panel	8/13 - Discussed - working to have first newsletter available at 8/20 meeting. 8/22 - Discussed - need to check with Vika. 8/27 - Draft of first Aug. newsletter will be available next week.

Item Number	Action Item (Date generated)	Assigned to	Comments
80	Start internal web page (8/8)	Lipa - Margie	8/13 - To be discussed. 8/22 - Discussed. Effort on hold - benefit vs. resource burden
81	Check transcriber cost versus other suppliers (8/8)	Wendoll - check	8/13 - Complete. Checked other transcription services - cost is reasonable.
82	Circle back with LLTF to put their observations into context (8/8)	Grobe	
83	Verify results of ongoing research related to the technical root cause evaluation has not changed NRC/DE conclusions (8/13)	Panel Coffin	
84	Update website with appropriate meeting information for 8/15 meeting. John discuss with Sally (8/13)	Hopkins	8/22 - complete
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.
86	Follow up with State of Ohio Inspector (8/20)	Lickus	8/22 - Discussed - need to check with Roland
87	Determine if State of Ohio participation with 0350 panel has been discussed (8/20)	Lickus	8/22 - Discussed - No precedent for outside NRC to be on 0350 panel. Item closed.
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.
89	Provide report input on Framatome inspection of records for the new vessel head (8/27)	R. McIntyre	

November 6, 2002

## INSPECTION PLAN

### DAVIS BESSE PROGRAM EFFECTIVENESS

#### Inspection Report 50-346/2002-11

#### Inspection Objectives

This inspection is being conducted as a part of the NRC's Manual Chapter 0350 activities. The primary inspection objectives will be to:

6. Evaluate the licensee's implementation of the Program Effectiveness Building Block in their Return-to-Service Plan.
7. Verify the licensee's review of the Boric Acid Corrosion Control Program, Inservice Inspection Program, Corrective Action Program, Plant Modifications Program, Reactor Coolant Unidentified Leakage Program, and Operating Experience Program adequately assesses the ability of the programs to support restart and normal operation of the Davis Besse Plant.
8. Evaluate the current scope and application of the licensee's self-assessment program to those programs associated with the Item 2 above.
9. Assess the effectiveness of the licensee's program for monitoring degradation of the reactor coolant system boundary, risk-significant piping system boundaries, and the containment boundary.

#### Onsite Inspection Dates:

September 9-13, 2002

September 23 - 27, 2002

2 additional weeks of onsite inspection will be identified based upon the licensee's schedule for completing the program reviews.

#### Site Contacts:

Neil Morrison, Program Effectiveness Plan Owner, (419) 321-7707

Dale Miller, Regulatory Affairs, (419) 321-7264

Prepared By:     /RA/      
K. G. O'Brien, Senior Reactor Engineer

Approved By:     /RA/      
J. Grobe, Chairman, Davis-Besse Oversight Panel

Reviewed By:     /RA/      
C. Lipa, Chief, Reactor Projects Branch 4

## Inspection Plan Details

- I. Inspectors:** K. G. O'Brien, Senior Reactor Inspector  
L. Collins, Project Engineer  
N. Shah, Resident Inspector, Braidwood  
J. Jacobson, Senior Mechanical Engineer  
M. Holmberg, Senior Reactor Inspector

Other inspectors may be added as needed based upon specific program areas being reviewed.

## **II. Inspection Activity Schedule**

Preparation: In Region III Office, August 19-23, 2002

Onsite Inspection: Week 1 - September 9 - 13, 2002,

[Boric Acid Corrosion Control Program, Corrective Action Program, and Self Assessment Program Reviews]

Week 2 - September 23-27, 2002

[Boric Acid Corrosion Control Program, Corrective Action Program, and Self Assessment Program Reviews]

Week 3 - To Be Determined

[Inservice Inspection Program, Operating Experience Program, and Self Assessment Program Reviews]

Week 4 - To Be Determined

[Plant Modification Program, Reactor Coolant System Unidentified Leakage Program, and Self Assessment Program Reviews]

Exit Meeting: To Be Determined

Inspection Report Input Preparation:

Inspection report inputs should be developed during the first week following each inspection visit. Completed inputs should be provided to the lead inspector by the close of business Friday of the week following each onsite inspection visit.

A draft report will be completed for management reviewed, comment, and concurrence by approximately 3 weeks following the last week of onsite inspection.

### **III. Applicable Inspection Procedures and Other Guidance:**

The inspectors will employ a variety of inspection procedures and other relevant guidance depending upon the specific program area being reviewed. Specific inspection procedures to be utilized will include:

IP 71111.08, "Inservice Inspection"  
IP 71111.17, "Permanent Plant Modifications"  
IP 71152, "Identification and Resolution of Problems"  
IP 73051, "Inservice Inspection - Review of Program"  
IP 73052, "Inservice Inspection - Review of Procedures"  
IP 93812, "Special Inspection"  
IP 95001, "Inspection For One Or Two White Inputs In A Strategic Performance Area"  
IP 95002, "Inspection For One Degraded Cornerstone Or Any Three White Inputs In a Strategic Performance Area"  
IP 95003, "Supplemental Inspection For Repetitive Degraded Cornerstone, Multiple Degraded Cornerstone, Multiple Yellow Inputs, Or One Red Input"

In addition, the inspectors' will consider the guidance of Generic Letters 88-05 and 97-01, Information Notice 86-108 and Supplements, Bulletin 82-02, and others as a part of the inspection effort.

Because of the nexus of individual program shortcomings, revisions, and the subsequent assessments to many of root and contributing causes for the reactor vessel head corrosion event, each of the program assessment reviews will incorporate aspects of IPs 95001, 95002, and 95003, as appropriate.

### **IV. Inspection Requirements**

The inspection will focus on evaluating the depth, completeness, and accuracy of the licensee's assessment of the health of the selected programs which contributed to the reactor vessel head corrosion event.

The NRC staff's inspection efforts will include independent assessment of the licensee's conclusions based upon risk-informed samples of relevant materials [condition reports, procedures, program outlines, recent program changes, plant modifications], walkdowns of plant equipment and surveillance results associated with the inservice inspection efforts, and interviews with responsible licensee staff and management. The depth and breadth of these efforts will be guided by the referenced procedures.

Specific inspection requirements will include:

- A) Review and evaluate the licensee's "Building Block" program plan and applicable parts of the licensee's Return-to-Service Plan, Restart Action Plan, and Restart Action Process. The effort should address the applicable root and contributing causes.

- B) Review and evaluate the methodology and acceptance criteria used to identify programs for Phase 1 and Phase 2 reviews.
- C) Review and evaluate a sampling of completed Phase 1 program reviews for depth and completeness.
- D) Review and evaluate 6 of the 7 Phase 2 program effectiveness assessments for depth and completeness. The reviews will consider the:
  - proper application of the guiding review procedure;
  - identification and resolution of issues documented in the prior root and contributing cause evaluations;
  - identification, assignment, and inclusion in applicable programmatic procedures of critical roles, responsibilities, and interfaces;
  - identification and application of appropriate programmatic performance assessment criteria and feedback mechanisms, and;
  - independent assessment of the identification and resolution of past issues develop by or associated with the program.
- E) Review and evaluate the effectiveness of the licensee's Inservice Inspection Program including the attributes of IPs 71111.08, 73051, 73052, and other related procedures.

## **V. RITS and Level of Effort**

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Approximately 90 to 100 hours of direct inspection effort is anticipated for each week of onsite inspection [3 inspectors \* 30 hours / week]. Generally, individual inspection effort should be charged to IP 93812 with an IPE code of SEP for preparation efforts, ER for inspection efforts, and SED for documentation efforts. Inspection efforts associated with the assessment of the inservice inspection program should be charged to the base line program inspection procedure of 71111.08 with IPE codes of BIP, BI, BID, as appropriate.

## **VI. Findings**

The safety significance of inspection findings will be determined through MC-0609, "Significance Determination Process," with additional information from the Risk-Informed Inspection Notebook for Davis Besse.

## **VII. Documentation**

The report will be prepared in accordance with MC 0612, "Power Reactor Inspection Reports." Please review Appendix B, "Threshold for Documentation," in the above document to ensure consistency within the agency.