

July 14, 2003

MEMORANDUM TO: James W. Andersen, Chief
Performance Assessment Section
Inspection Program Branch
Division of Inspection Program Management
Office of Nuclear Reactor Regulation

FROM: John W. Thompson, Senior Reactor Operations Engineer */RA/*
Inspection Program Branch
Division of Inspection Program Management
Office of Nuclear Reactor Regulation

SUBJECT: PUBLIC MEETING SUMMARY ON THE MITIGATING SYSTEMS
PERFORMANCE INDEX AND REACTOR OVERSIGHT PROCESS
MONTHLY MEETINGS HELD ON JULY 23 AND 24, 2003

On July 23 and 24, 2003, a combined Mitigating Systems Performance Index/Reactor Oversight Process (MSPI/ROP) public meeting was held at the One White Flint North Building, Room 07B4. Meeting participants discussed solutions to the open technical issues, MSPI pilot success criteria, and future activities. The Office of Research (RES) presented the latest efforts on the developmental solutions to invalid indicators, insensitive indicators, and staff position on whether it is prudent to include within the MSPI significance calculations the common cause contributions and support system initiators into the importance measures (F-V coefficients) to be used in the MSPI calculation.

During the meeting, industry discussed some implementation issues with using the proposed "front-stop" solution to the MSPI invalid indicator issue. A front stop is a risk-informed approach to establish a green-white threshold for a designated "invalid" system below the risk value of $1\text{E-}6$ core damage frequency (CDF). Any of the six monitored systems under the MSPI pilot program approach may be designated "invalid" if a licensee has determined that a single component failure within that system could failure with its risk significance greater than $1\text{E-}6$ CDF. The issue presented by industry was a concern that the potential existed where the MSPI could drive industry to change how they comply with the maintenance rule regarding performance thresholds. Industry agreed to perform a full review on this issue and present their findings during the August 2003 meeting. Additionally, some industry meeting participants had questions regarding the need to consider accounting for support system initiators and common cause contributions. Both issues will be further discussed during the upcoming August 2003 ROP public meeting.

The final issue of the MSPI meeting was devoted to addressing the success criteria and agency goals as prerequisites to a determination of approval with full implementation of the MSPI program. The NRC staff distributed copies of the MSPI success criteria, including the soft

success criteria and the agency goals of maintain safety, increase efficiency and effectiveness, reduce regulatory burden, and increase public confidence to the meeting participants. The staff stated that the MSPI program needed to address these criteria in addition to the technical. The success criteria contained in Regulatory Issues Summary (RIS) 02-014. Industry stated they would address each item by next meeting.

On July 24, 2003, the staff conducted a public meeting of the ROP Working Group. Meeting participants discussed proposed changes to draft Significance Determination Process (SDPs), including SDPs covering the Maintenance Rule, Steam Generator Tube Integrity, Reactor Safety, Public Radiation Safety, and Occupational Radiation Exposure. Meeting participants also discussed results from the July 9 and 10, 2003 public meeting on Scrams with Loss of Normal Heat Removal Performance Indicator (PI). The staff presented options on how to improve this PI given the numerous issues and problems with the current guidance and other supplemental documentation for the PI.

The remainder of the day was devoted to frequently asked questions (FAQs) on the PIs.

The next combined meetings of the MSPI and ROP Working Groups is scheduled for August 20 and 21, 2003, respectively.

Attachments:

1. MSPI Meeting Attendance List
2. ROP Meeting Attendance List
3. MSPI/ROP Agendas
4. NEI 99-02, Appendix f, Table 2
5. MSPI Ongoing Research Results, July 23, 2003
6. RIS 2002-14 Success Criteria
7. Analysis of the Success Criteria and Agency's Goals and Objectives for the MSPI Pilot Program
8. Draft IMC 609, Appendix D, Public Radiation Safety SDP
9. Simplified Explanation of Risk Assessments for IMC 609, Appendix H
10. CDE 2.0 Parallel Run and Implementation Timeline
11. Scrams w/Loss of Normal Heat Removal Slides
12. FAQ log for 7/24/03

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DATE	07/14/03

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ATTENDANCE LIST
INDUSTRY/STAFF MSPI PUBLIC MEETING
July 23, 2003

	NAME	AFFILIATION
1.	John Thompson	NRC
2.	John Ramirez	STP
3.	Donald Dube	NRC
4.	Bruce Mrowca	ISL
5.	Donald Hickman	NRC
6.	Rick Thomas	Entergy
7.	Dave Lochbaum	UCS
8.	David Stillwell	STP
9.	Glenn Meyer	NRC
10.	Thomas C. Houghton	NEI
11.	Tony Pietrangelo	NEI
12.	Bill Muokhoek	STP
13.	Linda Joy Smith	NRC
14.	Greg Gibson	SoCal Edison
15.	Jenny Weil	McGraw-Hill
16.	Daniel Marks	APS
17.	Gerry Sowers	APS
18.	Don Olson	Dominion
19.	Gary Gilbert	Duke Energy
20.	Michael Scarpello	AEP
21.	John Tripoli	PPL Susquahanna
22.	Mike Strait	Exelon
23.	Gary Welsh	INPO
24.	Cory Atwood	Statwood Consulting
25.	Steve Mays	Exelon/ERIN
26.	Gareth Parry	NRC
27.	Bob Youngblood	ISL
28.	Steve Eide	ISL
29.	Walt Rogers	NRC
30.	Victor McCree	NRC

ATTENDANCE LIST
INDUSTRY/STAFF ROP PUBLIC WORKSHOP MEETING
July 24, 2003

NAME	AFFILIATION
1. John Thompson	NRC
2. Donald Dube	NRC
3. Donald Hickman	NRC
4. Dave Wrona	NRC
5. Peter Koltay	NRC
6. Robert Kahler	NRC
7. John Tripoli	PPL Susquahana
8. Jim Sumpter	NPPD
9. Gary Gilbert	Duke Energy
10. Daniel Marks	APS
11. Adel A. El-Bassioni	NRC
12. Steve Mays	Exelon
13. Kevin Williams	NRC
14. Robert Kahler	NRC
15. Michael Scarpello	AEP
16. Tom Houghton	NEI
17. Tony Pietrangelo	NEI
18. Don Olson	Dominion
19. Greg Gibson	SoCal Edison
20. Rick Thomas	Entergy
21. Duane Kanitz	Palo Verde/STARS
22. Stephen Klementowicz	NRC
23. Jay Phelps	STPNOC
24. W.E. Mookhoek	STPNOC
25. Biff Bradley	NEI
26. Steve Alexander	NRC
27. Ron Frahm	NRC
28. Conchita See	NRC
29. Tom Boyce	NRC
30. Steve Long	NRC
31. Jim Riley	NEI
32. Jim Andersen	NRC
33. Roy Mathew	NRC

MSPI WORKING GROUP PUBLIC MEETING

AGENDA

July 23, 2003
OWFN 7B4

8:00-8:15 a.m.	Introductions	(NRC staff/Industry)
8:15-8:30 a.m.	High Level Staff Overview	(All)
	1. Program Office (NRR) Remarks 2. MSPI Time Line of Pilot Activities 3. ACRS Briefing Highlights	
8:30-10:00 a.m.	Status of Ongoing Research Results	(Don Dube, RES)
10:00-10:15 a.m.	Public Discussion & Break	
10:15-12:00 p.m.	Status of Ongoing Research Results (cont.)	(D. Dube, RES)
12:00-1:00 p.m.	Lunch	
1:00 - 2:30 p.m.	Open Discussion on Proposed Solutions to Technical Issues	(All)
2:30 - 2:45 p.m.	Public Discussion & Break	
2:45 - 4:00 p.m.	Discussion on Success Criteria and Agency's goals	
4:00 p.m.	Adjourn	

ROP MONTHLY WORKING GROUP MEETING

AGENDA

OWFN 07B4

July 24, 2003

08:00 a.m.	Welcome and Introduction
08:15 a.m.	General discussion on ROP inspection processes, improvements and initiatives
08:30 a.m.	Discussion on Proposed SDP changes
10:15 a.m.	Public Discussion & Break
10:30 a.m.	Discussion on Degraded Cornerstone Definition and its Impact on the Action Matrix
11:00 a.m.	Discussion of FAQs and Generic Concerns with Scrams w/LONHR PI
12:00 p.m.	Break for Lunch
1:00 p.m.	Continue Discussion of Scrams w/LONHR
2:00 p.m.	Discussion and Update on Subcommittee Progress w/EP Alert and Notification System Reliability PI Improvements
2:15 p.m.	Public Discussion & Break
3:00 p.m.	Discussion of other FAQs
4:00 p.m.	Adjourn