

March 21, 2013

MEMORANDUM TO: Rani L. Franovich, Chief
Performance Assessment Branch
Division of Inspection and Regional Support
Office of Nuclear Reactor Regulation

FROM: Luis Cruz, Reactor Operations Engineer **/RA/**
Performance Assessment Branch
Division of Inspection and Regional Support
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SUBJECT: SUMMARY OF THE REACTOR OVERSIGHT PROCESS WORKING
GROUP PUBLIC MEETING HELD FEBRUARY 21, 2013

On January 17, 2013, the U.S. Nuclear Regulatory Commission (NRC) staff hosted the Reactor Oversight Process (ROP) Working Group (WG) public meeting with the Nuclear Energy Institute (NEI) ROP Task Force (TF) and other industry representatives. Enclosure 1 contains the meeting attendance list; Enclosure 2 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML13079A693) contains the white papers discussed during the meeting; Enclosure 3 (ADAMS Accession No. ML13079A707) contains the Frequently Asked Questions (FAQ) Log and the three FAQs discussed during the meeting; and Enclosure 4 (ADAMS Accession No. ML13079A717) contains an ROP WG action items log. Meeting attendees discussed topics related to PRA operational support, operating experience (OpE), assessment, security, and performance indicators (PIs).

The PRA Operational Support Branch (APOB) informed the participants that a revision to Volume 1 of the Risk Assessment Standardization Project (RASP) Handbook has been placed in NRC's public Web site (ADAMS Accession No ML13030A049). This handbook update includes new modules on common cause failure (CCF), initiating events, support system initiating events, loss of offsite power initiating events, and human reliability analysis. The staff plans to conduct a public meeting on the RASP Handbook update during May 2013.

The Reactor Inspection Branch (IRIB) staff indicated that revision 3 of NUREG 1022, "Event Reporting Guidelines: 10 CFR 50.72 and 50.73," was published (ADAMS Accession No. ML13032A220). IRIB staff discussed the status for the revision of Inspection Procedure (IP) 37060, "10 CFR 50.69 Risk-Informed Categorization and Treatment of Structures, Systems and Components Inspection." The staff will discuss the updated IP 37060 during the ROP WG public meeting to be held on March 27, 2013. IRIB staff plans to issue the revised IP 37060 by the end of April 2013.

The Operating Experience Branch (IOEB) discussed a study on component aging. As part of this study, IOEB staff completed a review of safety-related and important-to-safety active

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component failures and reportable events attributed to age-related degradation. The staff looked at operating experience for the years 2007–2011, focusing on inspection findings, and reportable events (licensee event reports). This study is publically available (ADAMS Accession No. ML13044A469). The IRIB staff will analyze the results of this study to determine any implications for the ROP.

The ROP Independent Assessment (IA) team discussed the ROP independent review task. The members of the ROP IA team are Brian McDermott, Director of the Division of Materials Safety and State Agreements in the Office of Federal and State Materials and Environmental Management Programs; Eric Benner, Chief of the Rules, Inspection and Operations Branch in the Office of Nuclear Materials Safety and Safeguards; and Dave Pelton, Chief of the Generic Communications and Power Uprate Branch in the Office of Nuclear Reactor Regulation. The ROP IA team indicated that the new reactor oversight initiative prompted this independent assessment of the ROP. The team indicated that it will take a global look at the ROP. As part of this task, the team will be interviewing internal and external stakeholders. The ROP IA team encouraged stakeholders to provide input for this initiative, by contacting any of the team members directly via e-mail or phone. The team will develop a report to the Commission with recommendations on the ROP. The ROP IA team plans to issue this report in June 2013.

The Performance Assessment Branch (IPAB) staff informed industry that end-of-cycle meetings were conducted in all regions during the week of February 11-15, 2013. The staff also mentioned that the Agency Action Review Meeting (AARM) is scheduled for April 24, 2013, and the Commission briefing on the results of the AARM is currently scheduled for May 29, 2013.

IPAB staff provided an update on an initiative to develop common language for safety culture applications consistent with the Commission's safety culture policy statement. The staff and industry representatives participated in a series of workshops on this topic, most recently January 29-31, 2013. IPAB staff plans to revise ROP-related documents to incorporate this common language. The staff will discuss the time-frame and documents to be revised during future ROP WG meetings.

IPAB staff also discussed the availability of alternative platforms to conduct the ROP WG public meetings. The staff indicated that the NRC has licenses available to support an online meeting via GoToMeeting. However, the staff noted that it would be difficult to have the same level of active discussion and interaction through a virtual meeting platform. The staff will explore the option of providing GoToMeeting accessibility for future ROP WG meetings. This virtual platform will serve as a supplementary tool to participate in the ROP WG meetings, but the staff does not expect it to replace the current meeting format. IPAB staff and industry representatives will determine if any adjustments to the planned meeting schedule for calendar year 2013 are needed to reduce the meeting frequency to the extent possible.

In the area of the PI program, staff and industry addressed the following items (Enclosure 2):

- (1) The NRC staff mentioned that the PI data for the fourth quarter of 2012 was posted on the public website in early February 2013. The staff also noted that two licensees did not provide a complete dataset of PI information.

- (2) The NRC staff discussed the status of a white paper on FAQ timeliness. Industry representatives will provide comments on this white paper during the next ROP WG public meeting.
- (3) The NRC staff discussed its review of existing PIs and their potential applicability for new reactors. The staff developed a working group to evaluate each PI. The staff will report results of this evaluation to the Commission.
- (4) Industry representatives and NRC staff discussed a white paper on the PRA technical adequacy for the mitigating systems (MS) PI. This white paper discusses characteristics and attributes for the PRA maintenance and upgrade process applicable to MSPI, treatment of outstanding peer review findings, and utility's assessment of PRA model maintenance and upgrade. NRC staff will provide comments on this white paper during the next ROP WG meeting.
- (5) Industry representatives agreed to provide the NRC staff with a draft Revision 7 of NEI 99-02, "Regulatory Assessment Performance Indicator Guideline," within a week following this ROP WG meeting. The NRC staff will provide comments on this revision to NEI 99-02 during the next ROPWG public meeting.
- (6) The NRC staff provided comments on a white paper on the simulation of MSPI indicator reaction to plants in long-term shutdown and initial startup. The staff requested clarification on the interpretation of a figure containing a distribution of changes in MSPI values for plants shutdown after 33 months. This paper recommends graying out MSPI when a plant has been shut down for more than six months and during the first 12 months after startup. Industry representatives will convert this white paper into a generic FAQ.

Staff and industry discussed the following PI FAQs (see Enclosure 3):

- FAQ 12-04: This FAQ was discussed. The NRC staff and industry concluded that more information is needed to resolve this FAQ. Industry requested that the regional inspectors participate in the discussion of this FAQ during the next ROP WG meeting. The NRC staff will develop a white paper to clarify the distinction between generic and site-specific FAQs and the reasonable timeliness for FAQ submittal.
- FAQ 12-05: This FAQ was withdrawn. The NRC staff previously questioned whether the NFPA 805 transition plan was included as an action within the extent of condition review to determine if the additional failures could count as one. After reviewing the extent of condition, the licensee indicated that the NFPA 805 transition plan was not documented as an action to identify additional failures. Industry indicated that it will develop a white paper to clarify the definition of additional failures in the NEI 99-02 guidance. The NRC will document the basis for the withdrawal in the NRC's response to the FAQ for knowledge transfers purposes.
- FAQ 12-06: This FAQ is tentative final. The NRC staff and industry representatives will review the language and plan to finalize this FAQ during the next ROP WG meeting.

The next ROP working group public meeting will be held on March 27, 2013

Enclosures:

1. Attendance List – February 21, 2013
2. White papers discussed during the February 21, 2013 ROP WG public meeting:
 - a. ROP Task Force Whitepaper on Timeliness of FAQ submittals
 - b. PRA Technical Adequacy for MSPI
 - c. Simulation of MSPI Indicator Reaction to Plant in Long Term Shutdown and Initial Startup
3. Reactor Oversight Process Task Force FAQ Log
4. ROP Working Group Action Items Tracking Log - February 21, 2013

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***=via e-mail**

OFFICE	NRR/DIRS/IPAB	BC: NRR/DIRS/IOEB	BC: NRR/DIRS/IRIB	BC:NRR/DRA/APOB	BC:NRR/DIRS/IPAB
NAME	LCruz	HChernoff	TKobetz*	SWeerakkody*	RFranovich
DATE	3/ 14 /13	3 / 20 / 13	3 / 15 / 13	3/ 15 /13	3 / 21 / 13

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**REACTOR OVERSIGHT PROCESS PUBLIC MEETING
REACTOR OVERSIGHT PROCESS
PUBLIC MEETING
ATTENDANCE LIST
February 21, 2013**

Luis Cruz	NRC
Ronald Frahm	NRC
Michael Balazik	NRC
Rani Franovich	NRC
Steve Vaughn	NRC
David Pelton	NRC
Tim Kobetz	NRC
Sunil Weerakkody*	NRC
John Thompson*	NRC
Roger Pederson*	NRC
Bruce Mrowca	ISL
Jim Slider	NEI
Jana Bergman	Scientech
Bob Walpole	Entergy
Ken Heffner	Certrec
Lenny Sueper	Xcel Energy
Fred Mashburn	TVA
Tracy Honeycutt	SNC
David Van Der Kamp	NPPD
Tony Zimmerman	Duke Energy
Larry Naron	CENG
Gary Miller	Dominion
Steve Catron	NextEra Energy
Sarah Chisholm	Duke Energy
Elijah Holsenbeck	Southern Nuclear
Robin Ritzman*	FirstEnergy

*participated via teleconference