



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

August 7, 2023

MEMORANDUM TO: Philip J. McKenna, Chief  
Reactor Assessment Branch  
Division of Reactor Oversight  
Office of Nuclear Reactor Regulation

FROM: David M. Aird, Reactor Operations Engineer /RA/  
Reactor Assessment Branch  
Division of Reactor Oversight  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF THE REACTOR OVERSIGHT PROCESS  
BI-MONTHLY PUBLIC MEETING HELD ON JULY 13, 2023

On July 13, 2023, the U.S. Nuclear Regulatory Commission (NRC) staff hosted a public meeting with the Nuclear Energy Institute's (NEI's) Reactor Oversight Process (ROP) Task Force executives, other senior industry executives, and various external stakeholders to discuss the staff's progress on initiatives related to the ROP. The topics discussed during this hybrid meeting are described below.

**Update to Cybersecurity Minor Examples in Inspection Manual Chapter 0612 Appendix E**

The NRC staff presented the updates to cybersecurity minor examples in Inspection Manual Chapter (IMC) 0612 Appendix E. The presentation began with an overview of the issue screening process in IMC 0612 Appendix B for determining performance deficiencies in order to clarify that the determination of a performance deficiency occurs prior to determining whether the performance deficiency is minor or more-than-minor, and that the update to the cybersecurity minor examples in Appendix E have no impact on the issue screening process. The cybersecurity minor examples update consisted of a clarifying change to an example regarding application of security controls and new examples in the areas of baseline configurations, ongoing monitoring and assessment, removal of unnecessary services and programs, physical access control, and vulnerability management. The updates were forwarded to the IMC coordinator at the end of July for inclusion in the next issuance of IMC 0612 Appendix E.

Presentation - IMC 0612 Appendix E Cybersecurity Minor Examples - ML23191A194  
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23191A194>

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301-287-0725

### **Cybersecurity Inspection Insights and More-than-Minor Criteria**

Representatives from NEI presented the industry's cybersecurity inspection insights. It was noted that cybersecurity inspections had three times the violations of other ROP inspections. The presenter also noted that the update to IMC 0612 Appendix E addressed the issue of limited examples for cybersecurity minor violations. Industry has recommended additional considerations for issues screening of a potential performance deficiency. These recommendations may be included in future NEI guidance for the NRC to review.

Presentation - NEI Cybersecurity Presentation for July ROP Public Meeting - ML23191A063  
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23191A063>

### **Security/Natural Terrain Credited as Vehicle Barrier System**

As a result of technical issues experienced during this meeting, there was not adequate time available to cover this topic thoroughly. This topic is tentatively scheduled to be presented at the next ROP public meeting.

Presentation - Natural Terrain Credited as Vehicle Barrier System - ML23181A084  
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23181A084>

### **Enhancing Oversight of Probabilistic Risk Assessment Configuration Control**

The NRC staff presented a status update on the Probabilistic Risk Assessment (PRA) Configuration Control (PCC) effort. NRC staff shared the observations memo (ML23136A565) from the PCC tabletop site visits. NRC staff provided the milestones and recommendations for a balanced approach to enhance oversight of PCC, specifically, utilizing an Operating Experience Smart Sample (OpESS) and details on what is the intent of an OpESS. Additionally, NRC staff shared plans to perform associated training to inspectors related to the OpESS and to generate significance and screening criteria for issues identified from the OpESS. Lastly, NRC staff provided a list of expected inspections that will most likely use the OpESS.

Presentation - PRA Configuration Control Status - ML23187A063  
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23187A063>

### **COVID Lessons Learned Working Group Update**

The NRC staff provided an update on COVID Lessons Learned and establishment of a working group. In July 2022, the NRC completed its Final Report for The Follow-on Review of The Lessons Learned, Best Practices, and Challenges During the Covid-19 Public Health Emergency (ML22172A159). In July 2023, the NRC issued a memo (ML23086C029) dispositioning the final report's recommendations and established a working group (ML23086C054) to implement selected recommendations.

### **Proposed Response to FAQ 23-02 and Discussion to Finalize AP1000 White Paper**

The NRC staff presented a proposed response to FAQ 23-02. For the Peach Bottom Unit 2 scram, main feedwater was not capable of being restored to provide feedwater to the reactor vessel within roughly 30 minutes. During this event, the main steam isolation valves (MSIVs) were not reopened for approximately nine hours after the scram due to the need to lower differential pressure across the MSIVs and prioritizing other actions during the event. The staff

acknowledges that nine hours would not be the minimum time needed to restore main feedwater, however, the licensee determined via simulator scenarios that under ideal conditions with no distractions or other priorities it would take a minimum of 90 minutes to restore main feedwater. This best-case time significantly exceeds the 30-minute time offered in NEI 99-02, Revision 7 as a reasonable period of time to restore main feedwater. The staff determined that the answer to Question 5 (Main Feedwater Availability) is 'Yes' and this event should be classified as an Unplanned Scram with Complications.

FAQ 23-02 - Peach Bottom Unit 1 Unplanned Scram with Complications Interpretation - ML23192A121

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23192A121>

ROP Whitepaper Modification of the Description of Unplanned Scrams with Complications Performance Indicator to Reflect AP1000 Design - ML23136A607

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23136A607>

### **Update on NEI 99-02 Revision 8**

Staff from NEI provided an update on the upcoming revision 8 of NEI 99-02, "Regulatory Assessment Performance Indicator Guideline," incorporating approved FAQs since revision 7.

Presentation - NEI 99-02 Draft Rev. 8 Update for July ROP Public Meeting - ML23191A066

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23191A066>

### **Dispositioning of Safety Culture Program Effectiveness Review Recommendations**

The NRC staff discussed the dispositioning of the Safety Culture Effectiveness Review recommendations. The Safety Culture Effectiveness Review working group report was issued on March 20, 2023 (ML22340A452) and was discussed at the April 5, 2023 ROP public meeting. Additional industry comments on the review recommendations were received at the May 18, 2023 ROP Public Meeting and in letters received from NEI (ML23191A058) and Florida Power & Light (ML23180A185). The NRC staff presented the Division of Reactor Oversight (DRO) program office recommendations that were developed from internal NRC and external stakeholder discussion and input on the working group's effort. Along with the recommendation to improve the training available to inspectors to better meet Commission objectives stated in SRM-SECY-04-0111, the program office recommendations centered around the working group report alternative recommendation which leverages the existing IMC 0305, "Operating Reactor Assessment Program," ROP assessment review of licensee performance. This recommendation will revise existing assessment guidance to prompt NRC management discussions with licensees on any safety culture aspects discussed during assessment reviews. This recommendation would encourage licensee action to address safety culture aspects before significant performance degradation occurs. This recommendation would not require additional inspection or significant additional resources, consistent with the graded approach in SRM-SECY-04-0111 for licensees in Column 1 or Column 2 of the ROP Action Matrix. In addition, IP 93100, "Safety-Conscious Work Environment Issue of Concern Followup," will be recommended for revision to make it a flexible tool to enable inspection of one or more elements of safety culture as appropriate. This revision will make IP 93100 a comprehensive inspection procedure that can be effectively and efficiently applied depending on the nature of the safety culture performance issues identified.

Industry representatives discussed concerns with the recommendation to revise IP 93100 stating that it would add subjectivity into the inspection program. Industry also stated that the revision to IP 93100 should follow the guidance on when the Commission needs to be informed or approve changes to the ROP. The NRC staff confirmed that the IP 93100 revision would be evaluated for Commission notification or approval. The NRC staff also stated that the revision to IP 93100 would be presented at a future ROP public meeting.

Presentation - Safety Culture Program Office Recommendations for July 2023 ROP Meeting - ML23191A058

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23191A058>

### **The Next ROP Meeting**

The next ROP bi-monthly public meeting is tentatively scheduled for September 20, 2023.

### **Communicating with the NRC Staff**

At the start of all ROP public meetings, the project manager provides contact information for the public to use to provide their name and affiliation as a participant in the meeting. This contact information is also provided for submitting questions and comments to the NRC technical staff. Please note that any questions and/or comments pertaining to the ROP can be sent to [David.Aird@nrc.gov](mailto:David.Aird@nrc.gov) and will be forwarded to the appropriate NRC staff. The "Contact Us about ROP" page on the ROP public website can also be used to submit questions and comments regarding the ROP (<https://www.nrc.gov/reactors/operating/oversight/contactus.html>).

### **Conclusion**

At the end of the meeting, NRC and industry management gave closing remarks. The industry representatives expressed appreciation for the open dialogue and willingness of NRC staff to hear industry views. The NRC management stressed the importance of the NRC being focused on providing reasonable assurance of public health and safety when considering changes to the ROP.

The following link contains the meeting agenda and other information:

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML23192A089>

The enclosure provides the attendance list for this meeting.

Enclosure:  
As stated

SUBJECT: SUMMARY OF THE REACTOR OVERSIGHT PROCESS BI-MONTHLY PUBLIC MEETING HELD ON JULY 13, 2023 - DATED AUGUST 7, 2023

**ADAMS Accession No.: ML23215A146** \* = via email

<b>OFFICE</b>	NRR/DRO/IRAB	NRR/DRO/IRAB/BC	NRR/DRO/IRAB
<b>NAME</b>	DAird	DMerzke* for PMcKenna	DAird
<b>DATE</b>	8/3/2023	8/3/2023	8/7/2023

**OFFICIAL RECORD COPY**

## LIST OF ATTENDEES

### REACTOR OVERSIGHT PROCESS BI-MONTHLY PUBLIC MEETING

July 13, 2023 - 9:00 AM to 12:20 PM

<b>Name</b>	<b>Organization<sup>1</sup></b>	<b>Name</b>	<b>Organization</b>
Tim Riti	NEI	Russell Felts	NRC
David Gudger	Constellation Nuclear	Philip McKenna	NRC
Ian Lynch	NEI	Mike King	NRC
Marty Murphy	Sciencetech	Tania Martinez Navedo	NRC
Deann Raleigh	Curtiss-Wright	David Aird	NRC
Justin Wearne	PSEG	Keith Boring	NRC
Ryan Joyce	SNL	David Garmon	NRC
Russell Thompson	TVA	Zackery Helgert	NRC
Shinya Ito	Unknown	Laura Pearson	NRC
Carlos Sisco	Winston & Strawn	Tony Nakanishi	NRC
Linda Dewhirst	NPPD	Lisa Regner	NRC
Phil Couture	Entergy	Gwynne Eatmon	NRC
Stephenie Pyle	Entergy	Lou McKown	NRC
David Mannai	PSEG	Patrick Finney	NRC
Richard Montgomery	PSEG	Maury Brooks	NRC
Travis Bennett	Southern Nuclear	Daniel Merzke	NRC
Robert Rishel	Unknown	Tony Bowers	NRC
Steven Leigh	Unknown	Don Johnson	NRC
Roy Linthicum	Constellation Nuclear	Brian Kemker	NRC
Enrique Meléndez	CSN	Ray Kellar	NRC
Richard E Hanson	Dominion Energy	Jasmine Gilliam	NRC
Brian McCabe	NEI	Alan Dahbur	NRC
Steve Catron	NextEra	Roni Fraser	NRC
Benny Ratnagaran	Unknown	Kim Lawson-Jenkins	NRC
Lawrence Keehner	Constellation Nuclear	Antonios Zoulis	NRC
Andrew Mauer	NEI	Ronald Cureton	NRC
James Slider	NEI	Lundy Pressley	NRC
Amy Huber	Constellation Nuclear	Shiattin Makor	NRC
David Feitl	NEI	Myla Ruffin	NRC
Lewis Csedrik	Unknown	Charles Murray	NRC
Gordon Koves	Unknown	Robert Williams	NRC
Jeff Conors	Unknown	Michael Brown	NRC
Dennis Sanz	Unknown	Scot Sullivan	NRC

<sup>1</sup> Unknown organization indicates that the participant's affiliation was not provided by the issuance of this meeting summary.

<b>Name</b>	<b>Organization<sup>1</sup></b>	<b>Name</b>	<b>Organization</b>
Mimi Nakicha King-Patterson	TVA	Sarah Obadina	NRC
Rob Burg	EPM, Inc	Sailesh Thapa	NRC
Edwin Lyman	UCS	Jonathan Fiske	NRC
Billie Garde	Unknown	Jeff Rady	NRC
Kirsten Stokes	PSEG	Joshua Havertape	NRC
Peter Bruley	Unknown	John Hanna	NRC
Alesia Cox Justice	Unknown	Nicole Fields	NRC
James Pak	Dominion Energy	Jack Bell	NRC
David Young	NEI	Alecia Hylton	NRC
Rebeca Saiz Utanda	Unknown	Anthony Valiaveedu	NRC
James Orr	Constellation Nuclear		
Larry Nicholson	Certrec		
Don Robinson	Dominion Energy		
Robin Ritzman	Curtiss-Wright		
Luke Greene	TVA		
Michael Whitlock	Dominion Energy		
Justin Bouknight	Dominion Energy		
Ken Heffner	Public		