



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

June 8, 2022

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 MAY 26, 2022

On May 26, 2022, 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 teleconference are described below.

NRC Artificial Intelligence Strategic Plan and Roadmap

The NRC staff provided an update on the status of the development of the NRC's Artificial Intelligence (AI) Strategic Plan. The topics included a high-level summary of the AI Strategic Plan, the next steps, and key dates. The NRC staff informed the participants about the upcoming publication draft AI Strategic Plan in the *Federal Register* for public comment by June 2022. The NRC staff also plans to host an AI public workshop in the summer/fall of 2022 to remain aware of the fast-paced technological adoption of AI in the industry and communicate with external stakeholders about NRC's progress on AI activities.

NEI asked whether the NRC intends to develop regulatory guidance and tools to prepare the staff to assess AI as part of NRC regulatory activities. The NRC staff stated that the agency would need to assess whether any regulatory guidance (e.g., regulatory guides or standard review plan sections) or inspection procedures need to be updated or created to clarify the process and procedure for the licensing and oversight of the use of AI in NRC-regulated activities. The need for revision will be based on the information gathered through the execution of the AI Strategic Plan and engagement with external stakeholders.

CONTACT: David M. Aird, NRR/DRO
301-287-0725

Presentation: Increasing NRC Readiness in Artificial Intelligence Decisionmaking – (ADAMS Accession No. ML22143A926)

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML22143A926>

Commercial Grade Dedication and Engineering Inspections

The NRC staff shared an update on Commercial Grade Dedication (CGD) inspection development. The staff expects the publicly available final draft of the procedure to be available in June 2022. Staff also indicated the willingness to coordinate future public meetings with industry in fall 2022 to further discuss CGD inspection implementation prior to the first inspections. Staff responded to questions from the industry and public and indicated that they plan to utilize the lessons learned from both Environmental Qualification and Power-Operated Valve inspections in development, training and implementation of the CGD inspections; those inspections will be conducted at each operating reactor licensee site; and that Counterfeit, Fraudulent and Suspect Item training will be incorporated into the CGD training those regional inspectors will receive.

Causal Evaluation Methods for Inspection Procedure 95001 Supplemental Inspections

Industry representatives requested clarification on terminology used in ROP Inspection Procedure (IP) 95001, “Supplemental Inspection Response to Action Matrix Column 2 (Regulatory Response) Inputs” and Inspection Manual Chapter (IMC) 2515, Appendix B, “Supplemental Inspection Program.” Specifically, industry representatives requested NRC clarification of the terms “root cause” and “corrective action to preclude repetition” as defined in IMC 2515, Appendix B and discussed in withdrawn SECY-19-0067, “Recommendations for Enhancing the Reactor Oversight Process.” The NRC clarified that the definitions provided in IMC 2515, Appendix B were applicable to the IMC and related IPs for inspector use in verifying licensee actions and completing the IP objectives. The NRC acknowledges in IMC 2515, Appendix B that industry terminology may differ and that inspectors should not base inspection conclusions on terminology used by licensees.

Follow-on COVID-19 Lesson Learned Working Group Preliminary Recommendations

The NRC staff provided a summary of the preliminary conclusions and recommendations developed by the Follow-On Review of the Lessons Learned, Best Practices, and Challenges During the COVID-19 Public Health Emergency working group. The NRC discussed the preliminary conclusions and expected completion schedule. Opportunities for comment and questions were provided for all attendees.

Presentation: COVID-19 Lessons Learned Working Group Presentation for ROP Public Meeting – (ML22139A171)

<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML22139A171>

Status of ROP Enhancement Activities

The NRC staff also gave an update of the status of the ROP Enhancement Commission SECY papers schedule (ML22025A132) that were discussed in the January ROP Public Meeting. The Engineering Inspection SECY paper is currently at the Office of the Executive Director for Operations (OEDO) for issuance. The Problem Identification and Resolution (PI&R) SECY paper has begun work and is projected to be issued at the end of July 2022. The 4th Quarter Performance Indicator (PI) Treatment and Greater-Than-Green PI Treatment SECY paper has

begun work and is on schedule for issuance in September 2022. The White/Yellow Findings Definitions revision in IMC 0609 is ready to be issued but will wait until a corresponding change to the Enforcement Policy is sent to the Commission by a SECY paper at the same time. This is projected to occur in about two months. Work on the two Emergency Planning (EP) SECYs has begun (The EP Significance Determination Process (SDP) revision SECY and the EP Siren PI Elimination and the new EP Facility PI SECY) and are on scheduled to be issued in the 4th quarter of calendar year 2022.

Significance Determination Process Timeliness Review

The NRC staff provided an overview of an ongoing review of timeliness associated with potentially greater-than-Green findings in the SDP. The purpose of the review is to identify any common themes or trends associated with findings that exceeded the 255-day metric as defined in IMC 0307, Appendix A. Any recommendations related to changes to the metric or SDP guidance will be produced in a publicly available report by the end of calendar year 2022.

Presentation: Significance Determination Process Timeliness Review – (ML22144A257)
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML22144A257>

NEI 99-02 rev. 8 Update

Industry representatives indicated that the revision 8 update to NEI 99-02 is in process and will include Frequently Asked Questions (FAQs) that have been approved since the last update. Representatives also indicated that a more efficient process for incorporating approved FAQs is also in process.

Frequently Asked Question (FAQ) 22-02 - Diablo Canyon Scram

Industry representatives presented FAQ 22-02 related to a Diablo Canyon manual trip on October 15, 2021. The guidance needing interpretation was Figure 2, "IE04 Unplanned Scrams with Complication – Flowchart," on page 29 of NEI 99-02, "Regulatory Assessment Performance Indicator Guideline," Revision 7, specifically Main Feedwater availability and recovery using approved plant procedures during scram response. NRC staff acknowledged receipt of FAQ 22-02 and have started the technical review.

During the meeting, industry representatives provided the following as background information for the topic:

FAQ 22-02 – Diablo Canyon Scram - (ML22144A144)
<https://adamswebsearch2.nrc.gov/webSearch2/main.jsp?AccessionNumber=ML22144A144>

The Next ROP Meeting:

The next ROP bi-monthly public meeting is tentatively scheduled for July 27, 2022.

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 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 project can be sent to

David.Aird@nrc.gov. Questions and/or comments will be forward to the appropriate NRC staff. The staff also mentioned the role out of the “Contact Us about ROP” page on the new ROP website, which can also be used to submit questions and comments regarding the ROP initiative (<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 enclosure provides the attendance list for this meeting.

Enclosure:
As stated

SUBJECT: SUMMARY OF THE REACTOR OVERSIGHT PROCESS BI-MONTHLY PUBLIC MEETING HELD ON MAY 26, 2022 DATED JUNE 8, 2022

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ADAMS Accession No.: ML22159A212

*** = via email**

OFFICE	NRR/DRO/IRAB	NRR/DRO/IRAB/BC	NRR/DRO/IRAB
NAME	DAird*	PMcKenna*	DAird*
DATE	6/8/2022	6/8/2022	6/8/2022

OFFICIAL RECORD COPY

LIST OF ATTENDEES

REACTOR OVERSIGHT PROCESS BI-MONTHLY PUBLIC MEETING

May 26, 2022, 9:00 AM to 11:30 AM

Name	Organization¹	Name	Organization
James Morris	PG&E	David Aird	NRC
Steve Catron	NextEra	Philip McKenna	NRC
Bob Murrell	NextEra	Ashley Demeter	NRC
James Slider	NEI	Russell Felts	NRC
Tim Riti	NEI	Billy Gleaves	NRC
Robin Ritzman	Curtiss-Wright	Brian Benney	NRC
Tony Brown	NEI	Zachary Hollcraft	NRC
Larry Nicholson	Certrec	Valerie Stowell	NRC
David Gudger	Constellation Nuclear	Marc Ferdas	NRC
Stephenie Pyle	Entergy	Chris Cauffman	NRC
Nicole Good	Stars Alliance	David Garmon	NRC
Rob Burg	EPM, Inc.	Kenneth Kolaczyk	NRC
Melody Rodriguez	NEI	Mike King	NRC
James Pak	Dominion Energy	Tony Nakanishi	NRC
Tony Zimmerman	Duke Energy	William Rautzen	NRC
Martin Murphy	Xcel	Don Johnson	NRC
Andrew Mauer	NEI	Stephen Campbell	NRC
Harry Balian	PSEG	Jared Justice	NRC
Deann Raleigh	Unknown	Brigit Larsen	NRC
Andrew Zach	EPW	Ronald Cureton	NRC
Wendy Brost	STP	Avinash Jaigobind	NRC
Timothy Falkiewicz	Unknown	Kevin Fay	NRC
William Evon	STP	Tom Eck	NRC
Margaret Offerle	Unknown	Jeff Bream	NRC
Desiree Wolfgramm	Unknown	Serita Sanders	NRC
Stephen Hess	Jensen Hughes	Scott Wilson	NRC
Michael Marks	Duke Energy	Eugene Guthrie	NRC
Michael Richardson	PG&E	Paul Laflamme	NRC
Suzanne Loyd	Constellation	David Kern	NRC
David Hoppe	Talen Energy	Patricia Vossmar	NRC
Andrew Miller	Unknown	Pete Snyder	NRC
Linda Dewhirst	NPPD	Madhi Hayes	NRC
Melisa Krick	Unknown	Chris Miller	NRC
Russell Prentice	PG&E	Ray Kellar	NRC
Richard Stadlander	Xcel	Derek Widmayer	NRC
Katie Brown	Unknown	Manuel Crespo	NRC
Carlos Sisco	Winston & Strawn	Eugene DiPaolo	NRC
Ramakrishna Thatipamala	PG&E	Luis Betancourt	NRC

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

Name	Organization¹	Name	Organization
Edwin Lyman	UCS	Charles Murray	NRC
Richard Montgomery	PSEG	David Nani	NRC
David Mannai	PSEG	Roni Fraser	NRC
Robert Rishel	Unknown	Ayesha Athar	NRC
Enrique Melendez Asensio	CSN	Doug Bollock	NRC
		Jason Kozal	NRC
		Caty Nolan	NRC
		Ekaterina Lenning	NRC
		Catherine Kanatas	NRC
		Steven Shockley	NRC
		Jo Bridge	NRC
		Chris Speer	NRC
		Natasha Greene	NRC
		Jonathan Fiske	NRC