



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

September 19, 2024

MEMORANDUM TO: David M. Aird, Chief
Reactor Assessment Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

FROM: Ron Cureton, Reactor Operations Engineer
Reactor Assessment Branch
Division of Reactor Oversight
Office of Nuclear Reactor Regulation

A handwritten signature in blue ink, appearing to read "Ron Cureton".

Signed by Cureton, Ron
on 09/19/24

SUBJECT: SUMMARY OF THE NEI 99-02 REV. 8 AND IE01 WHITEPAPER
PUBLIC MEETING HELD ON AUGUST 28, 2024

On August 28, 2024, the U.S. Nuclear Regulatory Commission (NRC) staff hosted a public meeting with the Nuclear Energy Institute (NEI), other senior industry executives, and various external stakeholders to discuss proposed changes contained in draft Revision 8 to NEI 99-02, "Regulatory Assessment Performance Indicator Guideline," and a supporting whitepaper, "NEI Reactor Oversight Process Task Force Whitepaper - Clarifications to the Unplanned Scrams per 7000 Critical Hours Performance Indicator." The topics discussed during this meeting are described below.

IE01 Whitepaper

The NRC staff provided the NRC position on the Unplanned Scrams Performance Indicator (IE01) whitepaper ([ML24185A209](#)) that the staff did not concur with the proposed additions to definitions of unplanned scrams. The staff did not believe that the proposed changes were consistent with the definition of reactor scrams from SECY 99-007, "Recommendations for Reactor Oversight Process Improvements." The NRC staff also did not concur with the addition of the example of a scram for turbine post-maintenance considerations as a scram that would not be counted toward the PI. The NRC staff did not believe that a reactor scram would be a certainty after major turbine maintenance but may be a high probability. Per SECY 99-007, a high probability scram would still meet the definition of a countable scram for the Performance Indicator (PI). The staff expressed concern that the additional text added to the definitions and examples could imply that early initiation of a manual scram prior to reaching an automatic scram setpoint would not result in the scram counting toward PI data.

CONTACT: Ron Cureton, NRR/DRO
(404) 997-5173

NEI clarified that white paper attempted to distinguish between use of manual scram for low-power shutdown versus meeting conditions requiring manual scram (e.g., during transients) and that initiation of a manual scram for transients prior to reaching required criteria was not intended to be excluded from PI counting.

NEI and NRC agreed to revisit the clarifications provided in the white paper after NEI 99-02 Revision 8 issuance, and Revision 8 will be issued unchanged from Revision 7 in these areas.

NEI 99-02 Revision 8

NRC staff presented open comments on NEI 99-02 Revision 8 ([ML23290A125](#) & [ML23290A147](#)) for discussion:

- Unplanned downpowers PI – NEI presented examples related to proposed clarifying language for unplanned downpowers.
- Unplanned Scrams with Complications (USwC) PI – NEI clarified that the proposed language is more technically accurate than the Frequently Asked Question (FAQ) 18-01 approved response.
- USwC Main Feedwater – NEI provided background discussion and clarified that while no formal FAQ required the proposed changes, previous FAQ resolutions drove this change to clarify NEI 99-02.
- Occupational Radiation Safety – NEI agreed with adding the text recommended by NRC staff to NEI 99-02 Revision 8.
- Occupational Radiation Safety – NEI agreed to use language from IMC 0308 for the definition of the occupational radiation safety cornerstone.
- Emergency Preparedness – NEI will update the section and has proposed revisions. NSIR has not provided final agreement on the proposed revisions.

NEI agreed to provide clean and mark-up versions of NEI 99-02 Revision 8 which reflected the discussions above to NRC for review prior to the September 25 Reactor Oversight Process (ROP) working group meeting.

FAQ 24-01

NEI introduced an FAQ ([ML24226B216](#)) for review and more detailed discussion at a subsequent public meeting. The FAQ focuses on the question of if receipt of a safety injection signal alone without an associated safety injection counts toward PI considerations. NRC acknowledged receipt of the FAQ.

Conclusion

At the end of the meeting, NRC and industry management gave closing remarks. The industry representatives expressed appreciation for the open dialogue and time spent by NRC staff to

review the NEI 99-02 revision. The NRC management shared appreciation for the open and constructive dialogue during the meeting.

The following link contains the meeting agenda and other information: [ML24228A183](#)

The enclosure provides the attendance list for this meeting.

Enclosure:
As stated

SUBJECT: SUMMARY OF THE NEI 99-02 REV. 8 AND IE01 WHITEPAPER PUBLIC MEETING HELD ON AUGUST 28, 2024 - DATED SEPTEMBER 19, 2024

ADAMS Accession No.: ML24249A199

OFFICE	NRR/DRO/IRAB	NRR/DRO/IRAB/BC	NRR/DRO/IRAB
NAME	RCureton	DAird	RCureton
DATE	9/9/2024	9/10/2024	9/19/2024

OFFICIAL RECORD COPY

LIST OF ATTENDEES

NEI 99-02 REV. 8 AND IE01 WHITEPAPER PUBLIC MEETING

August 28, 2024 - 1:00 PM to 2:30 PM

Name	Organization¹	Name	Organization
Tim Riti	NEI	David Aird	NRC
Tony Brown	NEI	Russell Felts	NRC
Amy Chamberlain	Southern Nuclear	Phil McKenna	NRC
Jack Hicks	Luminant	Dan Geary	NRC
Nicole Good	STARS Alliance	Alex Garmoe	NRC
John Giddens	Entergy	Ronald Cureton	NRC
Larry Nicholson	Certrec	Daniel Merzke	NRC
Marty Murphy	Curtiss-Wright	Charles Murray	NRC
Enrique Meléndez-Asensio	CSN	David Garmon	NRC
William Garrett	Southern Nuclear	Caty Nolan	NRC
Roy Linthicum	Constellation	Rich Smith	NRC
Brett Titus	NEI	Denny Smith	NextEra
Carrie Seipp	Xcel Energy	Tony Zimmerman	Duke Energy
Brian Stander	Nebraska Public Power District	Timothy Hammons	South Texas Project
Richard Mothena	APS	Michael Wetteland	South Texas Project
David Young	NEI	Christian Williams	Constellation
Robert Rishel	Duke Energy	Stephenie Pyle	Entergy
Fred Madden	Certrec	Matthew Hoholek	AEP
Anntwinette Ragland	Southern Nuclear	Russell Thompson	TVA
Shawn Wagner	Unidentified	Andrew Radosevic	Unidentified
Helen Levendosky	Unidentified	James Pak	Unidentified
Jana Bergman	Unidentified	Isaac Mulhern	Unidentified
Michael Williams	Unidentified	Joshua Haggard	Unidentified
Adam Abrams	Unidentified	John Egdorf	Unidentified
Steven Kadatz	Unidentified	Phil Lashley	Unidentified
Karle Cooper	Unidentified	Matthew Heckard	Unidentified
Michael Scarpello	Unidentified	Anthony Daniels	Unidentified
Amanda Britton	Unidentified	Marcus Hofmann	Unidentified
Cynthia Cashwell	Unidentified		

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