

U.S. Nuclear Regulatory Commission Public Meeting Summary

September 22, 2023

Title: Public Meeting: American Society of Mechanical Engineers 2021-2022 Code Editions Proposed Rule

Meeting Identifier: [20230919](#)

Date of Meeting: September 6, 2023

Location: Webinar (via Microsoft Teams)

Type of Meeting: Information Meeting with a Question-and-Answer Session

Purpose of Meeting:

The U.S. Nuclear Regulatory Commission (NRC) staff hosted a public meeting to discuss the recently published proposed rule to incorporate by reference the American Society of Mechanical Engineers (ASME) 2021-2022 Code Editions. This discussion is intended to help stakeholders prepare formal comments on the proposed rule.

Related Documents:

- [ML23220A430](#) – Notice of Public Meeting to Discuss the Proposed Rule: ASME 2021-2022 Code Editions
- [ML23241A949](#) – ASME 2021-2022 Code Editions Public Meeting Slides

General Details:

The NRC is proposing to authorize the use of recent editions of ASME codes. The rule would incorporate by reference the 2021 ASME Boiler Pressure Vessel (BPV) Code and the 2022 Edition of the ASME Operations and Maintenance (OM) of Nuclear Power Plants Code into the NRC's regulations, with conditions. This action increases consistency across the industry and makes use of current voluntary consensus standards (as required by the National Technology Transfer and Advancement Act), while continuing to provide adequate protection to the public. This rulemaking would affect nuclear power reactor licensees.

The proposed rule was published in the *Federal Register* on August 8, 2023 ([88 FR 53884](#)) for a 75-day comment period that is scheduled to end on October 23, 2023. A correction notice was issued in the *Federal Register* on August 21, 2023 ([88 FR 56780](#)) to correct an editorial mistake. A second correction noticed was issued in the *Federal Register* on August 29, 2023 ([88 FR 59471](#)) to correct a publication error.

Along with the publication of the proposed rule, the NRC staff publicly released supporting and related materials:

- Draft Regulatory Analysis (Agencywide Documents Access and Management System (ADAMS) Accession No. [ML23032A316](#))
- Unofficial Redline Proposed Rule Language (ADAMS Accession No. [ML23032A318](#))

The meeting consisted of one NRC presentation providing an overview of the proposed rule and then a question-and-answer session where the public was invited to pose questions to the NRC to obtain any needed clarifications on the proposed rule and the supporting and related materials. The meeting was attended by approximately 94 people participating through webinar or phone, including NRC staff and members of the public.

Summary of Presentation:

Tyler Hammock of the NRC opened the meeting, introducing himself as the Rulemaking Project Manager for this rule and acting as the meeting's facilitator. Hammock described the purpose of the meeting: to present an overview of the proposed rule and allow the NRC staff to meet directly with the public and industry in order to discuss the regulatory changes proposed. Hammock encouraged public questions to be asked after the end of the staff presentation and stated that comments received during the meeting would not be issued a formal response. He stated that formal comments on the proposed rule should be submitted in writing using the methods described in the proposed rule notice. Hammock noted the meeting agenda in which the first portion of the meeting would be the NRC staff's presentation, and the second portion would be an open question-and-answer session. Hammock provided instructions for how members of the public attending via Microsoft Teams or via the phone could ask questions or offer comments. Hammock reminded participants of the supporting documents which were sent out in the original meeting invitation and also provided the supporting documents in the Microsoft Teams meeting. Hammock then introduced the NRC staff who would be speakers for this public meeting.

Hammock highlighted the purpose of the meeting, historical timeline of the ASME Code Edition rulemaking, rulemaking process overview, status of the proposed rule, and the overall rulemaking schedule (including dates for the comment period). Hammock reiterated instructions on how to submit comments for this proposed rule online. Hammock summarized the scope of the proposed rule:

- Incorporate by reference the 2021 Edition of Section III, Division 1, of ASME BPV Code
- Incorporate by reference the 2021 Edition of Section XI, Division 1, of ASME BPV Code
- Incorporate by reference the 2022 Edition of ASME OM Code

Hammock then turned the meeting over to the other members of staff for their presentation.

Kamal Manoly of the NRC summarized the ASME BPV Code, Section III, conditions under consideration.

- New condition: Repairs to Stamped Components
- Revised conditions: Subsection NH, Mandatory Appendix XXVI, Preservice Inspection of Steam Generator Tubes

Yamir Diaz-Castillo of the NRC summarized the ASME BPV Code, Section III, quality assurance new condition under consideration.

Michael Benson of the NRC summarized the ASME BPV Code, Section XI, conditions under consideration.

- Revised conditions: Concrete containment examinations, Metal containment examinations, Nonmandatory Appendix U, Nonmandatory Appendix Y
- New conditions: Pressure testing of containment penetration piping after repair/replacement activities, Contracted repair/replacement organization fabricating items offsite of the Owner's facilities, Weld overlay design crack growth analysis, Analytical evaluations of degradation, Analytical evaluations of flaws in cladding, Appendix VIII specimen set and qualification requirements
- Augmented ISI requirements: Reactor vessel head inspections, Examination requirements for Class I piping and nozzle dissimilar-metal butt welds

Thomas Scarbrough of the NRC summarized the ASME OM Code conditions under consideration.

- New conditions: Snubber visual examination interval extension, Class 1 pressure relief valve sample expansion
- Conditions proposed to be removed: Motor-Operated Valve (MOV) testing, Check valves (new reactors), Flow-induced vibration (new reactors)

Hammock briefly summarized specific requests for comment on the proposal to add 50.55a(b)(2)(xlviii) to require analytical evaluations performed in accordance with IWB-3132.3 and IWC-3132.3 be submitted to the NRC.

This concluded the NRC staff's presentation. Hammock transitioned the meeting to the question-and-answer portion and reiterated how those in the meeting could ask questions.

Public Feedback and Questions:

One question was asked during the question-and-answer portion of the meeting. Below is a summary of the question and the NRC staff's response.

- Daniel Lamond, the current chair of ASME Section XI Standards Committee, commented on the proposed revisions of Nonmandatory Appendices U and Y. Noting that the NRC believes there are existing code cases that are more accurate, up-to-date, and reflective of current requirements as well as it appears the staff is looking to get rid of duplicative requirements (similar requirements for both code editions and code cases), Lamond questioned if this proposed revision was a result of the Standards Committee incorporating code cases too quickly or if this is an isolated case, also noting that these topics are very fluid in industry right now. Michael Benson of the NRC acknowledged that Code Case N-513 is an extreme example and is widely used in industry, resulting in many comments on the topic. Benson felt that the Nonmandatory Appendices could not keep up with how quickly the Code Case was changing and there was little effort at the code committee level to make that happen. Benson also commented that in general there is a certain level of duplicative work the NRC would like to avoid from comparing the nonmandatory appendices to the latest versions of the code cases approved. Lamond responded that these may be good topics to discuss in

their executive committee meeting and understood the point on duplicative work, and thanked Benson for his answer.

Closing:

Tyler Hammock displayed a slide with the rule's www.regulations.gov Docket ID number (NRC-2018-0289), the public repository for key documents related to the development of this rulemaking, as well as contact information.

Hammock informed participants of the public feedback form available on the NRC website and shared a QR code in the Microsoft Teams meeting to get to the form. Hammock ended the meeting by thanking everyone for their time and attention.

Action Items/Next Steps:

- There were no significant or major actions for NRC staff as a result of the meeting.
- Staff will monitor for incoming public comments including any responses to the specific request for comment.
- The public comment period will be open until October 23, 2023.

LIST OF ATTENDEES*

SEPTEMBER 6, 2023, PUBLIC MEETING TO DISCUSS THE PROPOSED RULE: AMERICAN SOCIETY OF MECHANICAL ENGINEERS 2021-2022 CODE EDITIONS

NAME	AFFILIATION	NAME	AFFILIATION
Stewart Bailey	NRC	Steve Andrews	NuScale Power
Gurjendra Bedi	NRC	Bryce J Babarsky	Constellation
Philip Benavides	NRC	Gary Becker	NuScale Power
Michael Benson**	NRC	Jana Bergman	Curtiss-Wright
Ilka Berrios	NRC	Rob Burg	EPM, Inc.
Cindy Bladey	NRC	Glenn Chatterton	AEP
Angie Buford	NRC	Yeon-Ki Chung (게스트)	
Mat Burton	NRC	James Cirilli	EPRI
Helen Chang	NRC	Beau J Eckermann	TVA
Sheldon Clark	NRC	Mark Ferlisi	GSE Solutions
Jay Collins	NRC	Mark Allen Gowin	TVA
Stephen Cumblidge	NRC	Gurunathan	
Yamir Diaz-Castillo**	NRC	Brian J Hall	Westinghouse
David Dijamco	NRC	Beth Keller Haluska	Dominion Energy
Tyler Hammock**	NRC	Zachary D Harper	Westinghouse
Nicholas Hansing	NRC	Kurt Harris	Flibe Energy
John Honcharik	NRC	Maria Luisa Garcia Heras	Tecnatom
Kerri Kavanaugh	NRC	Ronald G Jacobson	Xcel Energy
Omar Khan	NRC	Suresh Kalyanam	Westinghouse
Aaron Kwok	NRC	Adam E Keyser	TVA
Yiu Law	NRC	James Kiefer	Bechtel
Kamal Manoly**	NRC	Matthew King	GSE Solutions
Carrie McCann	NRC	Scott Kulat	Inservice Eng
Ed Miller	NRC	Doug Kull	EPRI
Andres Orozco Restrepo	NRC	Sam Lacey	EDF Energy
Eric Palmer	NRC	Daniel Lamond	GSE Solutions
Christopher Prescott	NRC	Eric Lantz	
David Rudland	NRC	Russell J Lidberg	Xcel Energy
Michele Sampson	NRC	Sarah Macdonald	EDF Energy
Thomas Scarbrough**	NRC	Heather Malikowski	EPRI
Karen Sida	NRC	Steve E Marlette	Westinghouse
John Tsao	NRC	Steve McCracken	EPRI
George Wang	NRC	Manuel Mendoza	Energy Northwest
Yuken Wong	NRC	Betsy A Moenkedick	Southern Co.
		Mark Moenssens	Westinghouse
		Carolyn Monaco	NuScale Power
		Claire Mowforth	EDF Energy
		Mike Orihuela	EPRI
		Edward L Pleins	Westinghouse
		DeLisa S Pournaras	Southern Co.
		Steven K Richter	Energy Northwest
		Brennon Shay	APS
		Amanda J Spalding	Westinghouse

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SEPTEMBER 6, 2023, PUBLIC MEETING TO DISCUSS THE PROPOSED RULE: AMERICAN SOCIETY OF MECHANICAL ENGINEERS 2021-2022 CODE EDITIONS

		Timothy D Struna	Westinghouse
		Jeffrey D Stumb	Dominion Energy
		Ronnie Swain	EPRI
		Tim A Thulien	Duke Energy
		David S Van Allen	APS
		Kathy Warnock	NuScale Power
		Russell Douglas Wells	TVA
		Jens Wendt	TÜV SÜD America
		Matt White	AEP
		Emily Williams	Framatome
		Selena M Willoughby-Braun	Westinghouse
		Theresa M Willson	AEP
		William Wood	Dominion Energy
		Zefeng Yu	Westinghouse

* *List does not contain attendees who participated via a phone line*

** *Presenter*