

U.S. Nuclear Regulatory Commission Public Meeting Summary

June 5, 2015

Title: The Performance-Based Emergency Core Cooling Systems Cladding Acceptance Criteria (Title 10 of The Code of Federal Regulations Section 50.46c) Proposed Rule

Meeting Identifier: 20150551

Date of Meeting: May 7, 2015

Location: Teleconference and Webinar only

Type of Meeting: Category 3

Purpose of the Meeting(s): The purpose of the meeting was to discuss implementation comments received related to the 10 CFR 50.46c proposed rule (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12283A174). The U.S. Nuclear Regulatory Commission (NRC) did not accept formal written comments during the meeting. This was the second in a series of 3 public teleconferences/webinars on implementation of the 50.46c proposed rule.

General Details: The meeting was attended by 44 individuals including industry representatives, members of the public, and NRC staff, all of whom participated through audio teleconferencing and webinar.

Summary of Presentations: The meeting slides and handouts are available in the ADAMS package under Accession No. ML15154B641. In addition to the material presented in the slides, the major areas of discussion are summarized below.

Public Participation Themes:

Introductory Remarks

The meeting started with welcome, introductions, and meeting ground rules. NRC staff made a brief presentation; these slides are in ADAMS at ML15126A208. The staff noted that this meeting was follow up to a category 3 public meeting the NRC held on March 17-18, 2015, on implementation of the 50.46c proposed rule. During that meeting, stakeholders suggested a series of public teleconferences to discuss details of an alternative implementation plan for NRC consideration. This meeting was the second of those follow-on teleconferences. The first was held on April 23, 2015. Information from the March 2015 meeting can be found in ADAMS at ML15071A272, and information from the April 2015 meeting can be found in ADAMS at ML15138A411.

During the introductory remarks, the NRC staff provided clarification regarding a preliminary draft change to the proposed rule under NRC consideration that was noted in the meeting notice. The bullet read, "Resolution of debris related issues (e.g., GSI-191), whether by deterministic or risk-informed approach, being addressed outside of 50.46c implementation schedule." The NRC clarified that the risk-informed alternative rule language discussed in

paragraph (e) would remain in the 50.46c rule itself, but the resolution of debris issues would be on a separate implementation track (i.e., not that of 50.46c). In response to a follow-up question from a member of industry, the NRC added that this would be made clear in the draft final rule and clarified in the associated Statements of Consideration (SOC).

Distinguishing Among Various “Dates” Used in Regulations

A member of the NRC Office of the General Counsel (OGC) provided a presentation regarding the various types of “dates” used in regulations; the slides can be found in ADAMS at ML15126A210. This presentation was an action item that resulted from the April 23rd public meeting. Key points of discussion are summarized below:

- There should be consistency between what is required in the regulation and the SOC.
- A member of industry questioned which regulation (i.e., 50.46 or 50.46c) licensees would need to comply with during the interim time when the new rule is going into effect. A member of the OGC staff noted that, from a legal perspective, both rules would technically be in effect at the same time during this interim period and cited Part 20 as an example.
- The time at which a licensee would be considered in compliance with the new regulation would be when the licensee is in possession of the NRC-approved license amendment (i.e., when the old licensing basis is no longer operational.)
- A member of industry noted that the NRC/OGC presentation would be useful in formulating possible rule language that can be discussed at the June 4th webinar (i.e., the last meeting in the public meeting series on implementation).

Industry Presentation

A representative from Tennessee Valley Authority, Thomas Eichenberg, provided a presentation on the industry’s suggested implementation plan for the 50.46c proposed rule. This presentation, which included a Gantt chart, is in ADAMS at ML15126A206. This presentation was an extension of the discussion from the April 23rd public meeting. Key points of discussion include the following:

- Mr. Eichbenberg pointed out the changes/updates to the Gantt chart since the April 23rd public meeting.
 - The updated Gantt chart noted 65 LARs.
 - The updates Gantt chart provided new information regarding the time frame to develop hydrogen uptake models (rows 7-19) and make mechanical design updates (rows 45-60).
- Members of industry expressed that they do intend to use the generic hydrogen uptake models that the NRC staff presented during the April 29-30, 2015 public meeting (ADAMS ML15132A743); however, wanted the flexibility of using proprietary models in the future.
- There was a discussion regarding how to take the information provided in the Gantt chart and translate it into rule language for 50.46c. This was flagged as a discussion topic for the June 4th public meeting.
- A member of industry questioned whether the NRC had any updates on a possible response to the industry comment to move Appendix K to a regulatory guide. The NRC staff noted that, at this time, they do not intend to accept this comment/move Appendix K to a regulatory guide.

- NRC staff noted that a public meeting to discuss preliminary draft rule language regarding long-term cooling would likely be on June 9, 2015.

Action Items/Next Steps:

- Prepare for June 4 public webinar, the third in the series of public teleconferences/webinars on implementation of the proposed rule.

Attachments:

- Meeting agenda – ML14190A002
- ADAMS accession number to NRC staff presentation – ML15126A208, ML15126A210
- ADAMS accession number(s) to industry presentation – ML15126A206

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- ADAMS accession number to NRC staff presentation – ML15126A208, ML15126A210
- ADAMS accession number(s) to industry presentation – ML15126A206

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Accession Nos.: Pkg: ML15154B641; Notice ML15056A293; Summary ML15156A891, NRC Presentations; ML1526A208, ML15126A210; Industry Presentations: ML15126A206 NRC-001

OFFICE	DPR/PRMB/PM	DPR/PRMB/RS	DPR/PRMB/BC	DPR/PRMB/PM
NAME	ABone	GLappert	TInverso	ABone
DATE	06/01/2015	06/03/2015	06/03/2015	06/05/2015

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**List of 50.46c Public Meeting Attendees
May 7, 2015**

Name		Organization
Tom	Eichenberg	TN Valley Authority
Kevin	Barber	Westinghouse
Jana	Bergman	Curtis-Wright
Gordon	Cleifton	NEI
David	Fink	Westinghouse Electric Company
Kurt	Flaig	Dominion
Robert	Florian	Southern Nuclear
Lisa	Gerken	Areva
Mark	Handrick	Duke Energy
Gregory	Hill	American Electric Power
Jerald	Holm	Areva
Korey	Hosack	Westinghouse
Shane	Jurek	XCEL Energy
Dana	Knee	Dominon
David	Medic	AZ Public Service
Alan	Meginnis	AREVA
Kurshad	Muftuoglu	DEH
Randy	Newton	New Skill Power
Mitch	Nissley	Westinghouse
Thomas	Remick	AZ Public Service
Michael	Shockling	Westinghouse
James	Smith	Westinghouse Electric Company
Alfred	Strasser	Aquarius Services
Ronaldo	Szilard	ID National Laboratory
Robert	Theuret	Westinghouse
Don	Williamson	Scana
Ken	Wueh	Electropow Research Institute
Joseph	Yurko	FPoli Solutions
Kevin	Barber	Westinghouse
Ken	Yueh	Electric Power Research Institute
Leslie	Terry	NRC
Alysia	Bone	NRC
Paul	Clifford	NRC
Ralph	Landry	NRC
Michelle	Bales	NRC
Steve	Smith	NRC
Angella	Love-Blair	NRC

Lindsay	Robinson	NRC
Ashley	Guzzetta	NRC
Steven	Laur	NRC
Shanlai	Lu	NRC
Harold	Scott	NRC
Jen	Witman	NRC