

May 19, 2015

MEMORANDUM TO: Tara Inverso, Chief
Rulemaking Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

FROM: Alysia Bone, Project Manager /RA/
Rulemaking Branch
Division of Policy and Rulemaking
Office of Nuclear Reactor Regulation

SUBJECT: NOTICE OF FORTHCOMING CATEGORY 3 PUBLIC MEETING ON
THE PERFORMANCE-BASED EMERGENCY CORE COOLING
SYSTEMS CLADDING ACCEPTANCE CRITERIA (TITLE 10 OF THE
CODE OF FEDERAL REGULATIONS SECTION 50.46C) PROPOSED
RULE

DATE & TIME: Tuesday, June 9, 2015
1:00-5:30 PM, Eastern Standard Time

LOCATION: U.S. Nuclear Regulatory Commission (NRC)
Two White Flint North Room 7A01
11545 Rockville Pike
Rockville, MD 20852-2738

PURPOSE: The purpose of this meeting is to discuss preliminary draft rule language regarding long-term cooling in Title 10 of the *Code of Federal Regulations* (10 CFR) Section 50.46c proposed rule (Accession No. ML12283A174 of the U.S. Nuclear Regulatory Commission's (NRC) Agencywide Documents Access and Management System (ADAMS)).

This meeting will afford an opportunity for stakeholders to provide oral feedback on preliminary draft rule language, which represents a possible change to the long-term cooling provision in the 10 CFR 50.46c proposed rule. These additional discussions will enhance understanding of the associated comments and public feedback on long-term cooling as the NRC continues to develop the draft final rule. The NRC is NOT providing an opportunity for submission of written public comments in connection with this meeting.

MEETING CONTACT: Alysia Bone, NRR/DPR
301-415-1034
Alysia.Bone@nrc.gov

The public comment period for this proposed rule, referenced in the *Federal Register* notice (79 FR 16106; March 24, 2014), ended on August 21, 2014. The NRC will consider oral comments and statements made in these public meetings in developing and adopting the final regulation. The final rulemaking will summarize and generally address oral comments and statements, but will not specifically identify each oral comment or provide a specific response.

The proposed rule contained a requirement regarding long-term cooling found in section (g)(1)(v), which stated the following:

(v) *Long-term cooling.* An analytical limit on long-term peak cladding temperature shall be established that corresponds to the ductile-to-brittle transition for the zirconium-allow cladding material determined using an NRC-approved experimental technique. The analytical limit must be approved by the NRC.

Based on public comments received on the proposed rule and the objective of developing a performance-based rule, the NRC staff is considering changing the long-term cooling requirement in paragraph (g)(1)(v) of the proposed rule to the following preliminary draft rule language:

(v) *Long-term cooling.* After any calculated successful initial operation of the emergency core cooling system, no further cladding damage occurs as indicated by the calculated core temperature for the extended period of time required by the long-lived radioactivity remaining in the core. As required by paragraph (d)(1)(ii) of this section, the ECCS must also provide sufficient coolant so that decay heat is removed for the extended period of time required by the long-lived radioactivity remaining in the core.

Additional information, including draft revised Statements of Consideration (SOC) associated with this preliminary draft long-term cooling rule language is in ADAMS under Accession No. ML15135A178. Please note that the preliminary draft rule language and SOC have not received NRC management review and approval and are thus pre-decisional and subject to change.

During this meeting, stakeholders should be prepared to elaborate and present on previously submitted comments associated with the proposed rule long-term cooling language and the preliminary draft rule language and SOC noted above. This meeting will be the opportunity for stakeholders to voice any feedback on the preliminary draft language, including making NRC aware of any potential unintended consequences. Such unintended consequences may be related to: (1) existing plant ECCS long-term cooling analysis without debris; and (2) ongoing programs and strategies for resolving debris issues.

Please Note: Members of the public are invited to make a presentation on any topics that are relevant to the long-term cooling discussion with the proposed rule. If you wish to make a presentation, please advise the meeting contact of the general topics or issues you wish to address by June 2, 2015. Please also submit any presentation materials to the meeting contact by June 4, 2015, so that the NRC can make them available to the meeting attendees in advance of the meeting.

CATEGORY 3: This is a Category 3 Public Meeting. Public participation is actively sought for this meeting to fully engage the public in a discussion of regulatory issues. No classified, proprietary, or protected information will be discussed.

The NRC's Policy Statement, "Enhancing Public Participation in NRC Meetings," effective May 28, 2002, applies to this meeting. The policy statement may be found on the NRC Web site, www.nrc.gov, and contains information regarding visitors and security.

Pre-registration: Seating may be limited and will be available on a first-come basis. Inform the NRC's meeting contact of your intention to attend by June 2, 2015. This step will ensure that sufficient copies of meeting materials are available.

If you need a reasonable accommodation to participate in this meeting (e.g., a translator, handicapped accessibility) or need this meeting notice or other information from the meeting in another format (e.g. Braille, large print, a language other than English), please notify the NRC's meeting contact listed on this meeting notice or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Alysia Bone. Determinations on requests for reasonable accommodations will be made on a case-by-case basis.

Teleconferencing: Interested members of the public unable to attend the meeting may participate by telephone via a toll-free teleconference. The call-in information is as follows:

Bridgeline	888-942-8390
Passcode	7090016

For additional details, please call the NRC meeting contact listed on this meeting notice or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Alysia Bone. Those interested in participating in this meeting by teleconference should call or e-mail the meeting contact as soon as possible, but no later than June 2, 2015.

Web conferencing: Interested members of the public who are unable to attend the meeting may participate remotely on the internet and via a toll-free audio

teleconference bridge-line. To participate in the webinar, please register in advance of the meeting at the following link

<https://attendee.gotowebinar.com/register/5883082466549934337>

For additional details, please call the NRC meeting contact listed on this meeting notice or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Alysia Bone. Those interested in participating in this meeting by Web conference should call or e-mail the meeting contact as soon as possible, but no later than June 2, 2015.

Because meetings are sometimes canceled or rescheduled as a result of unforeseen circumstances such as severe weather, confirm the meeting schedule with the meeting contact.

PARTICIPANTS:

NRC staff, interested stakeholders, and members of the public. Participants from the NRC include members of the NRC's 50.46c Working Group. Other participants will likely include the Nuclear Energy Institute (NEI), other industry representatives, and members of the public.

NRC
50.46c Working Group

External
NEI
Members of the Public

Enclosure:
Meeting Agenda

teleconference bridge-line. To participate in the webinar, please register in advance of the meeting at the following link

<https://attendee.gotowebinar.com/register/5883082466549934337>

For additional details, please call the NRC meeting contact listed on this meeting notice or call the NRC's toll-free number, 1-800-368-5642, and ask the operator to be connected to the meeting contact, Alysia Bone. Those interested in participating in this meeting by Web conference should call or e-mail the meeting contact as soon as possible, but no later than June 2, 2015.

Because meetings are sometimes canceled or rescheduled as a result of unforeseen circumstances such as severe weather, confirm the meeting schedule with the meeting contact.

PARTICIPANTS: NRC staff, interested stakeholders, and members of the public. Participants from the NRC include members of the NRC's 50.46c Working Group. Other participants will likely include the Nuclear Energy Institute (NEI), other industry representatives, and members of the public.

NRC
50.46c Working Group

External
NEI
Members of the Public

Enclosure:
Meeting Agend

DISTRIBUTION:

PUBLIC	RidsNrrDpr	TBoyce
PRMB r/f	TInverso	ABone
RidsNrrOd	MMahoney	
RidsResOd	GLappert	

ADAMS Accession No: PKG: ML15135A144; Notice: ML15135A161; Rule Language: ML15135A178* Via E-mail NRC-001

OFFICE	NRR/DPR/PRMB	NRR/DPR/PRMB	NRR/DPR/PRMB	NRR/DPR/PRMB
NAME	ABone	GLappert*	TInverso	ABone
DATE	5/15/2015	5/18/2015	5/18/2015	5/19/2015

OFFICIAL RECORD COPY

AGENDA

10 CFR 50.46c Rulemaking

June 9, 2015

- | | |
|-----------|---|
| 1:00-1:15 | Purpose and Ground Rules (NRC) |
| 1:15-2:00 | Potential Changes to Long-Term Cooling Requirement (NRC) |
| 2:00-3:30 | Feedback on Potential Changes to Long-Term Cooling Requirement (Industry) |
| 3:30-3:45 | Break |
| 3:45-4:30 | Feedback on Potential Changes to Long-Term Cooling Requirement (Public) |
| 4:30-5:15 | Opening Discussion (ALL) |
| 5:15-5:30 | Closing Remarks (NRC) |
| 5:30 | Adjourn |

Note: Provided times are estimated and for planning purposes only. Adjustments may be made during the meeting as necessary.

ENCLOSURE