



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

August 10, 2022

MEMORANDUM TO: Richard Chang, Chief
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

FROM: Ngola Otto, Project Manager */RA/*
Licensing Projects Branch
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF JULY 28, 2022, PARTIALLY CLOSED MEETING WITH
FRAMATOME INC. AND THE U. S. NUCLEAR REGULATORY
COMMISSION TO DISCUSS FRAMATOME TOPICAL REPORT
BAW-10227P, REVISION 2, "EVALUATION OF ADVANCED
CLADDING AND STRUCTURAL MATERIAL (M5) IN PWR FUEL"

On July 28, 2022, the U.S. Nuclear Regulatory Commission (NRC) staff held a partially closed (open and closed sessions) teleconference meeting via Microsoft Teams with representatives from Framatome Inc. (Framatome). The purpose of the meeting was to discuss the draft safety evaluation (SE) (Agencywide Documents Access and Management System (ADAMS) Package Accession No. ML22035A015) for Topical Report (TR) BAW-10227P, Revision 2, "Evaluation of Advanced Cladding and Structural Material (M5) in Pressurized Water Reactor Fuel." The meeting was noticed on July 14, 2022, and is available in the ADAMS at Accession No. ML22195A269. This meeting is a follow-up to the discussion held on May 19, 2022 (ADAMS Accession No. ML22181B150).

During the open session, discussions between the Framatome representatives and the NRC staff focused on the path forward and process for completing the TR review. Framatome proposed 1) revisions to the request for additional information (RAI) responses received on November 24, 2021 (ADAMS Package Accession No. ML21336A462), 2) a markup of the TR with change pages, and 3) to provide feedback on some language in the draft SE, Section 3.7.1.6, "NRC Staff Conclusion Regarding Swelling and Rupture Model Updates," associated with range of applicability.

The NRC staff provided feedback on the next steps in the review, based on Framatome's proposed revisions to the RAI responses, and addressed Framatome's questions regarding revisions to the draft SE. These steps include Framatome's submittal of revised RAI responses, which reverts the review back to the LIC-500, "Topical Report Process," Section 2.4.3, "Response to RAIs," phase in the review. After receipt of the revised RAI responses, the NRC staff plan to do the following:

1. issue a response letter with a revised schedule
2. review the RAI responses per LIC-500, Section 2.4.4, "Review of RAI Responses"

3. revise the draft SE based on new information
4. issue the draft SE per LIC-500, Section 2.5.

After the draft SE issuance, Framatome would conduct a proprietary review and provide their responses, and then the NRC staff would issue the final SE per LIC-500, Section 2.6, "Final SE."

Framatome plans to provide the NRC with a proposed date for the submittal of their revised RAI responses, which will be used to develop the revised schedule for the M5 TR review.

During the open session discussion, the NRC staff and Framatome representatives determined that the closed session was not needed, so there were no such discussions.

A list of the attendees is enclosed. This meeting summary can be found in ADAMS at Accession No. ML22210A272.

Docket No. 99902041

Enclosure: As stated

CONTACT: Ngola Otto, NRR/DORL
301-415-6695

List of Attendees

Closed Meeting between Framatome Inc. and the U.S. Nuclear Regulatory Commission
to Discuss Topical Report BAW-10227P, Revision 2,

"Evaluation of Advanced Cladding and Structural Material (M5) in PWR Fuel"

July 28, 2022

1:00 pm – 2:00 pm

<u>NAME</u>	<u>ORGANIZATION</u>
Morris Byram	Framatome Inc. (Framatome)
Lisa Gerken	Framatome
Nathan Hottle	Framatome
Julie O'Shaughness	Framatome
Jackie Stevens	Framatome
Richard Chang	U. S. Nuclear Regulatory Commission (NRC)
John Lehning	NRC
Scott Krepel	NRC
Ngola Otto	NRC
Gregory Suber	NRC
Josh Whitman	NRC
Jennifer Wagner	Interpreter
Johnson	Interpreter

Enclosure

SUBJECT: SUMMARY OF JULY 28, 2022, PARTIALLY CLOSED MEETING WITH
FRAMATOME INC. AND THE U. S. NUCLEAR REGULATORY COMMISSION TO
DISCUSS FRAMATOME TOPICAL REPORT BAW-10227P, REVISION 2,
“EVALUATION OF ADVANCED CLADDING AND STRUCTURAL MATERIAL (M5)
IN PWR FUEL” DATED AUGUST 10, 2022

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JLehning, NRR

NOtto, NRR

GSuber, NRR

EXTERNAL DISTRIBUTION:Morris.Byram@framatome.com**ADAMS Accession No.: ML22210A272 (Summary)*****via email**

OFFICE	DORL/LLPB/PM*	DORL/LLPB/LA*	DORL/LLPB/BC*	DORL/LLPB/PM*
NAME	NOtto	DHarrison	RChang	NOtto
DATE	8/9/2022	8/10/2022	8/10/2022	8/10/2022

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