



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

April 8, 2021

MEMORANDUM TO: Dennis C. Morey, Chief  
Licensing Projects Branch  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Signed by Otto, Ngola  
on 04/08/21

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

SUBJECT: SUMMARY OF APRIL 1, 2021, CLOSED PRE-SUBMITTAL MEETING  
BETWEEN FRAMATOME INC. AND THE U.S. NUCLEAR  
REGULATORY COMMISSION TO DISCUSS TOPICAL REPORT  
APOLLO2-A AND ARTEMIS-B FOR BOILING WATER REACTORS

On April 1, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a closed teleconference meeting via Microsoft Teams with representatives from Framatome Inc. (Framatome). The purpose of the meeting was to discuss Framatome Topical Report (TR) APOLLO2-A and ARTEMIS-B for Boiling Water Reactors (BWRs). The meeting was noticed on March 10, 2021, and is available in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML21073A000.

During the closed meeting, the Framatome representatives and the NRC staff discussed Framatome's presentations which provided an overview of the upcoming TR submittal, including the outline, computer code changes, APOLLO2-A and ARTEMIS-B verification and validation, power distribution uncertainty, validation requirements, implementation into BWR methods, summary, and next steps for future interactions.

A list of the attendees is enclosed. The Framatome presentation materials, including this meeting summary, can be found at ADAMS Package Accession No. ML21089A181.

Docket No. 99902041

Enclosure: As stated

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

**List of Attendees**

Closed Pre-submittal Meeting Between Framatome Inc. and the U.S. Nuclear Regulatory  
Commission to Discuss Topical Report APOLLO2-A and ARTEMIS-B  
for Boiling Water Reactors  
April 1, 2021  
1:00 pm – 4:00 pm

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Alan Meginnis	Framatome Inc. (Framatome)
Kevin Quick	Framatome
Alex Bennett	Framatome
Paul Smith	Framatome
Jaron Senecal	Framatome
Robert Lukes	U. S. Nuclear Regulatory Commission (NRC)
Ngola Otto	NRC
Benjamin Parks	NRC
Mathew Panicker	NRC
Jeremy Dean	NRC

SUBJECT: SUMMARY OF APRIL 1, 2021, CLOSED PRE-SUBMITTAL MEETING  
 BETWEEN FRAMATOME INC. AND THE U.S. NUCLEAR REGULATORY  
 COMMISSION TO DISCUSS TOPICAL REPORT APOLLO2-A AND ARTEMIS-B  
 FOR BOILING WATER REACTORS DATED: APRIL 8, 2021

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**EXTERNAL DISTRIBUTION:**  
 Alan.Meginnis@framatome.com

**ADAMS Accession Nos.:**  
**ML21089A181 (Package)**  
**ML21095A111 (Summary)**  
**ML21089A172 (Affidavit)**  
**ML21089A177 (Presentation – Proprietary)**  
**ML21092A149 (Presentation – Non-Proprietary) \*via email**

OFFICE	NRR/DORL/LLPB/PM*	NRR/DORL/LLPB/LA*	NRR/DORL/LLPB/BC*	NRR/DORL/LLPB/PM*
NAME	NOtto	DHarrison	DMorey	NOtto
DATE	4/2/2021	4/5/2021	4/7/2021	4/8/2021

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