



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

April 7, 2021

MEMORANDUM TO: Dennis C. Morey, 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 FEBRUARY 24, 2021, PARTIALLY CLOSED  
MEETING BETWEEN FRAMATOME INC. AND THE U.S. NUCLEAR  
REGULATORY COMMISSION TO DISCUSS FUEL PARTICLE  
TRANSPORT IN FUEL FRAGMENTATION RELOCATION AND  
DISPERSAL EVALUATION FOR HIGHER BURNUP FUELS

On February 24, 2021, the U.S. Nuclear Regulatory Commission (NRC) staff held a partially closed teleconference meeting via Microsoft Team (Open Session) and WebEx (Closed Session) with representatives from Framatome Inc. (Framatome). The purpose of the meeting was for Framatome to discuss plans to assess fuel particle transport and settling in the Fuel Fragmentation, Relocation and Dispersal (FFRD) evaluation for higher burnup fuels. The meeting was noticed on February 11, 2021, and is available in the Agencywide Documents Access and Management System (ADAMS) Accession No. ML21043A255.

During the open session, Framatome representatives provided an introduction of the fuel particle transport method in the FFRD evaluation. There were no questions from members of the public during the open session. During the closed session, Framatome representatives and NRC staff discussed Framatome's presentation on an introduction of the FFRD evaluation, code used to simulate fuel particle transport, particle study, application and qualification of the transport code, planned models, summary, and next steps. Framatome plans to have additional interactions with NRC to discuss FFRD pertaining to a planned topical report on increased burnup.

A list of the attendees is enclosed. The Framatome presentation materials, including this meeting summary can be found at ADAMS Package Accession No. ML21050A328.

Docket No. 99902041

Enclosure: As stated

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

## **List of Attendees**

Partially Closed Meeting Between the U.S. Nuclear Regulatory Commission  
and Framatome, Inc. to Discuss Fuel Particle Transport in Fuel Fragmentation Relocation and  
Dispersal Evaluation for Higher Burnup Fuels

February 24, 2021

1:00 pm – 2:30 pm

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Gary Peters	Framatome, Inc. (Framatome)
Morris Byram	Framatome
Scott Franz	Framatome
Jeff Lane	Framatome
Lisa Gerken	Framatome
Bryan Marty	Framatome
Will Maxson	Framatome
John Klingenfus	Framatome
Marty Byran	Framatome
Christina Jones	Framatome
Joseph Donoghue	U.S. Nuclear Regulatory Commission (NRC)
Philip McKenna	NRC
MJ Ross-Lee	NRC
Dennis Morey	NRC
Robert Lukes	NRC
Michael Orenak	NRC
Ngola Otto	NRC
Kevin Heller	NRC
Paul Clifford	NRC
Andrew Proffitt	NRC
Mathew Panicker	NRC
John Lehning	NRC

Enclosure

<b><u>NAME</u></b>	<b><u>ORGANIZATION</u></b>
Joshua Kaizer	NRC
Joseph Messina	NRC
Elijah Dickson	NRC
Mark Blumberg	NRC
John Parillo	NRC
Michelle Bales	NRC
James Corson	NRC
Lucas Kyriazidis	NRC
Alice Chung	NRC
Andrew Bielen	NRC
Christopher Brown	Advisory Committee on Reactor Safeguards (ACRS)
Joy Rempe	ACRS
Andrew Bowman	Westinghouse Electric Company

SUBJECT: SUMMARY OF FEBRUARY 24, 2021, PARTIALLY CLOSED MEETING  
BETWEEN FRAMATOME INC. AND THE U.S. NUCLEAR REGULATORY  
COMMISSION TO DISCUSS FUEL PARTICLE TRANSPORT IN FUEL  
FRAGMENTATION RELOCATION AND DISPERSAL EVALUATION FOR  
HIGHER BURNUP FUELS DATED APRIL 7, 2021

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MBales, RES

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BLehning, NRR

MOrenak, NRR

JDonoghue, NRR

PMcKenna, NRR

MJ Ross-Lee, NRR

MPanicker, NRR

AProffitt, NRR

JKaizer, NRR

JMessina, NRR

EDickson, NRR

MBlumberg, NRR

JCorson, RES

LKyriazidis, RES

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ABielen, RES

JParillo, NRR

CBrown, ACRS

JRempe, ACRS

**EXTERNAL DISTRIBUTION:**

Morris.Byram@framatome.com

**ADAMS Accession Nos:**

**ML21050A328 (Package)**

**ML21056A290 (Summary)**

**ML21043A255 (Notice)**

**ML21050A331 (Proprietary Presentation)**

**ML21050A332 (Nonproprietary Presentation)**

**ML21050A329 (Affidavit)**

**\*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	2/24/2021	2/25/2021	3/5/2021	4/7/2021

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