



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

November 22, 2021

MEMORANDUM TO: Jacob I. Zimmerman, Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: R. A. Jervey, Project Manager *RA Jervey*
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF OCTOBER 22, 2021, CLOSED MEETING WITH
FRAMATOME INC. TO DISCUSS UPCOMING LICENSE
AMENDMENT REQUEST FOR CHANGE OF MINIMUM MARGIN
OF SAFETY TO CRITICALITY AND PLANNING FOR
ADVANCED REACTOR FUEL MANUFACTURING

On October 22, 2021, staff from the U.S. Nuclear Regulatory Commission (NRC), Office of Nuclear Material Safety and Safeguards, Division of Fuel Management, held a closed meeting with representatives from Framatome Inc., Richland Washington. The purpose of this meeting was to discuss Framatome's planned license amendment request for the Richland Washington Fuel Manufacturing Plant.

The NRC issued a notice for the meeting, including the agenda, on October 14, 2021 (Agencywide Documents Access and Management System [ADAMS] Accession No. ML21286A110). The attendees list is enclosed. The meeting notice and presentation slides for the meeting are available for review at ADAMS Accession No. ML21308A607.

The meeting was conducted remotely as a teleconference and webinar. During the meeting, Framatome representatives discussed the proposed changes described in the presentation slides, including a two-step change to license SNM-1227 to support increased enrichment fuel manufacturing. The first step being a change to allow a reduction in the minimum margin of safety to criticality from 0.95 to 0.97 of keff. The second step would correspond with modifications to the plant to use increased enrichment fuel stock. Framatome Inc. stated that it planned to submit the first amendment request by the end of November 2021. The second amendment request would come following additional planning needed for the physical changes in the plant.

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The NRC staff asked questions regarding how the integrated safety assessment (ISA) would be affected and to what extent physical processes would be changed in the actual manufacturing steps. Framatome stated the effects on the ISA would be analyzed and the results forthcoming. They also stated that there were no differences in the physical manufacturing steps required for fuel manufacture at increased enrichment levels proposed.

Enclosure:
Attendee List

Docket No.: 70-1257
License No.: SNM-1227

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DATE: November 22, 2021

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ADAMS Accession Number: ML21308A611

***via email**

OFFICE	NMSS/DFM/FFLB PM*	NMSS/DFM/FFLB LA*	NMSS/DFM/ FFLB BC*	NMSS/DFM/ FFLB PM*
NAME	RJervey	ELee	JZimmerman	RJervey
DATE	11/08/2021	11/10/2021	11/18/2021	11/22/2021

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Attendee List

Name	Organization/Position
	USNRC
Jeremy Munson	Criticality Engineer
April Smith	Risk and Reliability Engineer
Jason Piotter	AFM Engineer
Rick Jervey	Framatome Project Manager
	Framatome
Tim Tate	Manager EHS&L
Bill Doane	Manager Nuclear Safety
Michael Crawford	Project Engineer for AFM
Steven Cole	Project Manager for AFM
Mehmet Saglam	NCS Engineer
Joel Kreitzberg	NCS Engineer

Enclosure