



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

July 11, 2022

Timothy Tate, Manager
Environmental, Health, Safety & Licensing
Framatome, Inc.
2101 Horn Rapids Road
Richland WA 99354-5102

SUBJECT: FRAMATOME INC. – REQUEST TO AMEND LICENSE AND APPROVE
CRITICALITY SAFETY METHODS – LICENSE AMENDMENT 18 (ENTERPRISE
PROJECT IDENTIFICATION NUMBER L-2021-LLA-0218)

Dear Timothy Tate:

The U.S. Nuclear Regulatory Commission (NRC) staff has reviewed your submittal dated November 29, 2021 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML21333A203, non-public), that requested an amendment to Materials License SNM-1227 and approval of criticality safety methods, as supplemented by information dated April 28, 2022 (ADAMS Accession No. ML22119A243, non-public), and emails dated May 31, 2022 (ADAMS Accession No. ML22158A037, non-public), and June 1, 2022 (ADAMS Accession No. ML22158A036, non-public). Specifically, Framatome Inc. requested to amend its methodology related to minimum margin of subcriticality and calculational codes used for validation in Chapter 5.0, "Nuclear Criticality Safety," of its License Application for Materials License SNM-1227.

The NRC staff's review is documented in the safety evaluation report which is Enclosure 1 to this letter. The staff concluded that the requested changes provide reasonable assurance of subcriticality under normal and all credible abnormal conditions, provide reasonable assurance of adequate protection against the risk of criticality accidents, and otherwise satisfy the requirements of Title 10 of the *Code of Federal Regulations* (10 CFR), Section 70. Materials License SNM-1227 is hereby amended to include the changes to Chapter 5.0, "Nuclear Criticality Safety." As such, Safety Condition 1 of the license is amended to include the application information submitted on the following dates: November 29, 2021 (ADAMS Accession No. ML21333A204); April 28, 2022 (ADAMS Accession No. ML22119A243); and emails dated May 31, 2022 (ADAMS Accession No. ML22158A037), and June 1, 2022 (ADAMS Accession No. ML22158A036).

Documents transmitted by this letter contain proprietary information. When separated from Enclosures 1 and 3, this letter and Enclosure 2 are decontrolled.

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Enclosure 2 to this letter provides the publicly available pages of the amended license.
Enclosure 3 to this letter provides the non-publicly available page of the amended license.

This letter concludes action on this submittal, and Enterprise Project Identifier EPID L-2021-LLA-0218 is considered **CLOSED**.

In accordance with 10 CFR, Section 2.390, "Public inspections, exemptions, requests for withholding," of the NRC's "Agency Rules of Practice and Procedure," a copy of this letter will be available electronically for public inspection in the NRC Public Document Room (PDR), or from ADAMS. The PDR is open by appointment only. You may submit your request to the PDR via email at PDR.Resource@nrc.gov or call 1-800-397-4209 between 8:00 a.m. and 4:00 p.m. (EST), Monday through Friday, except Federal holidays.

The ADAMS database is accessible from the NRC website at <http://www.nrc.gov/reading-rm/adams.html>. Enclosures 1 and 3 will be withheld from public disclosure.

If you have any questions regarding this matter, please contact me or Mr. Richard Jervey by telephone at 301-415-6201, or via email to richard.jervey@nrc.gov.

Sincerely,

James R. Downs, Acting Chief
Fuel Facility Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

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

Enclosures:

1. Safety Evaluation Report (Non-Public)
2. Amendment 18 of SNM-1227 (Public)
3. Amendment 18 of SNM-1227 (Non-Public)

cc: framatome@listmgr.nrc.gov

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CRITICALITY SAFETY METHODS - LICENSE AMMENDMENT 18
(ENTERPRISE PROJECT IDENTIFICATION NUMBER L-2021-LLA-0218)
DOCUMENT DATE: JULY 11, 2022

DISTRIBUTION:

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ADAMS Accession Nos.: ML22154A437 (Pkg); ML22154A438 (Ltr); ML22154A439 (Encl. 1, non-public); ML22154A440 (Encl. 2) ML22154A441 (Encl. 3, non-public)

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